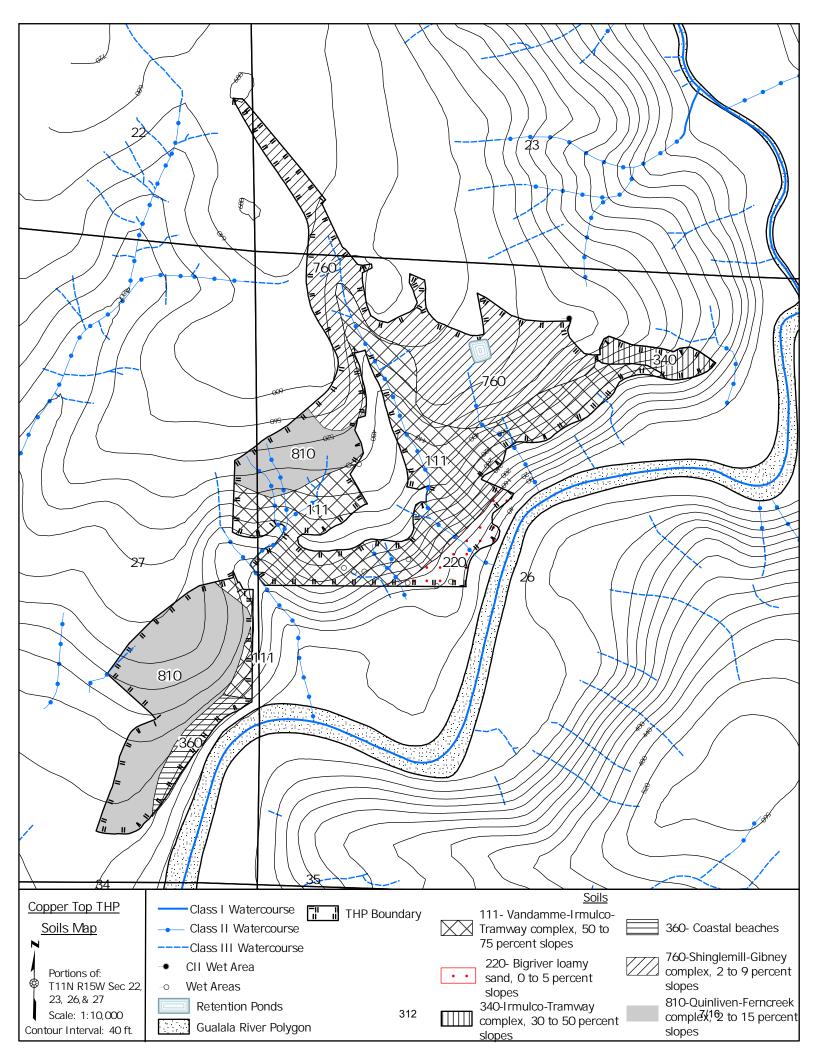
# Copper Top THP Section V

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- Soils Map and EHR Worksheet
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  - o CGS Preconsultation
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- Focused Botanical Survey
- Wildlife CNDBB Query
- Aquatic Assessment
- Northern Spotted Owl Information



Erosion Hazard Rating

|   | Soil Series Name                                          | Map Unit   | % Area |
|---|-----------------------------------------------------------|------------|--------|
| A | Bigriver loamy sand, 0 to 5 percent slopes                | 220        | 8.1%   |
| В | Coastal beaches                                           | 360        | 2.8%   |
| С | Irmulco-Tramway complex, 30 to 50 percent slopes          | 340        | 7.4%   |
| D | Quinliven-Ferncreek complex, 2 to 15 percent slopes       | 810        | 24.7%  |
| E | Shinglemill-Gibney complex, 2 to 9 percent slopes         | 760        | 22.9%  |
| F | Vandamme-Irmulco-Tramway complex, 50 to 75 percent slopes | 111        | 34.2%  |
|   |                                                           | Total Area | 100%   |

| Soil Texture                |                                                                                         | Fine                                                                |               | Medi                               | ium                         | Coar                                  | se                              | A          | В             | С             | D             | E             | F |
|-----------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------|------------------------------------|-----------------------------|---------------------------------------|---------------------------------|------------|---------------|---------------|---------------|---------------|---|
|                             |                                                                                         | Low                                                                 |               | Mode                               | rate                        | Hig                                   | <u>1</u>                        |            | 2.0           | 1.0           | 1.0           | 0.0           | - |
| Detachability Rating        |                                                                                         | 1-9                                                                 |               | 10-                                | 18                          | 19-3                                  | 0                               | 26         | 30            | 18            | 17            | 23            | 1 |
|                             |                                                                                         | Slow                                                                |               | Mode                               | rate                        | Rapi                                  | d                               |            |               | _             |               |               |   |
|                             | Permeatility Rating                                                                     | 5-4                                                                 |               | 3-                                 | 2                           | 1                                     |                                 | 1          | 1             | 2             | 2             | 4             | 1 |
| Depth to Restrictive La     | ayer or Bedrock                                                                         | Shallow                                                             |               | Mode                               | rate                        | Dee                                   | <u> </u>                        | A          | В             | С             | D             | E             | - |
| _                           | Depth                                                                                   | 1"-9"                                                               |               | 10"-                               | 39"                         | 40"-60"                               | (+)                             | 1          | 0             | 1             | 10            | 1             |   |
|                             | Rating                                                                                  | 15-9                                                                |               | 8-                                 | 4                           | 3-1                                   |                                 | 1          | U             | 1             | 10            | 1             |   |
| C. Percent Surface Coar     | se Fragments (>2mm)                                                                     | Low                                                                 |               | Mode                               | rate                        | Hig                                   | ı                               | A          | В             | С             | D             | E             |   |
|                             | % >2mm                                                                                  | 10%-39%                                                             |               | 40%-                               | 70%                         | 71-10                                 | 0%                              | 10         | 0             | 10            | 4             | 10            |   |
|                             | Rating                                                                                  | 10-6                                                                |               | 5-                                 | 3                           | 2-1                                   |                                 | 10         | U             | 10            | 4             | 10            | _ |
| Sub Tot                     | al                                                                                      |                                                                     |               |                                    |                             |                                       |                                 | 38         | 31            | 31            | 33            | 38            |   |
| Slope Factor                |                                                                                         |                                                                     |               |                                    |                             |                                       |                                 | A          | В             | С             | D             | E             |   |
| DIOPO IMOUDI                |                                                                                         |                                                                     |               |                                    |                             |                                       |                                 |            |               |               |               |               |   |
|                             | Slope                                                                                   | 5-15%                                                               | 16-30%        | 31-40%                             | 41-50%                      | 51-70%                                | 1-80% (+)                       |            | _             | _             |               |               |   |
|                             | Slope<br>Rating                                                                         | 5-15%<br>1-3                                                        | 16-30%<br>4-6 | 31-40%<br>7-10                     | 41-50%<br>11-15             | 51-70%<br>16-25                       | 1-80% (+)<br>26-35              | 1          | 1             | 5             | 2             | 2             |   |
| III. Protec                 | Rating                                                                                  | 1-3                                                                 |               |                                    |                             |                                       |                                 | 1          | 1             | 5             | 2             | 2             |   |
| III. Protec                 | <del>-</del>                                                                            | 1-3                                                                 |               |                                    | 11-15                       |                                       | 26-35                           | 1<br>A     | 1<br><b>B</b> | 5<br><b>c</b> | 2<br><b>D</b> | 2<br><b>E</b> |   |
| III. Protec                 | Rating                                                                                  | 1-3 ing After Disturbance                                           |               | 7-10                               | 11-15                       | 16-25                                 | 26-35                           | A          | В             | С             | D             | E             |   |
| III. Protec                 | Rating tive Vegetative Cover Remain:                                                    | 1-3 ing After Disturbance Low                                       |               | 7-10<br><b>Mode</b>                | 11-15<br>cate               | 16-25<br>Hig                          | 26-35<br><b>n</b><br>0%         |            |               |               |               |               |   |
|                             | Rating tive Vegetative Cover Remain: % Coverage                                         | ing After Disturbance Low 0-40% 15-8                                |               | 7-10<br><b>Mode</b> :<br>41-8      | 11-15<br>cate               | 16-25<br><b>Hig</b> l<br>81-10        | 26-35<br><b>n</b><br>0%         | A          | В             | С             | D             | E             |   |
|                             | Rating  tive Vegetative Cover Remain:  % Coverage Rating                                | ing After Disturbance Low 0-40% 15-8                                |               | 7-10<br><b>Mode</b> :<br>41-8      | 11-15<br>rate<br>80%<br>4   | 16-25<br><b>Hig</b> l<br>81-10        | 26-35<br><b>n</b><br>0%         | A          | В             | С             | D             | E             |   |
|                             | Rating  tive Vegetative Cover Remain:  % Coverage Rating  !wo-Year, One-hour Rainfall I | ing After Disturbance Low 0-40% 15-8                                |               | 7-10<br><b>Moder</b><br>41-8<br>7- | 11-15<br>rate<br>80%<br>4   | 16-25<br><b>Hig</b> l<br>81-10<br>3-1 | 26-35<br>n<br>0%                | <b>A</b> 5 | в<br>5        | <b>c</b> 5    | <b>D</b> 5    | <b>E</b> 5    |   |
| IV. 1                       | Rating  tive Vegetative Cover Remain:  % Coverage Rating  Cwo-Year, One-hour Rainfall I | ing After Disturbance Low 0-40% 15-8  ntensity (.01) Moderate       |               | 7-10  Modes 41-8 7-                | 11-15  rate 80% 4           | 16-25  High 81-10 3-1                 | 26-35<br>n 0%                   | <b>A</b> 5 | <b>B</b> 5    | <b>c</b> 5    | <b>D</b> 5    | <b>E</b> 5    |   |
| IV. T<br>Rainfall           | Rating  tive Vegetative Cover Remain:                                                   | ing After Disturbance Low 0-40% 15-8  ntensity (.01) Moderate 40-59 |               | 7-10  Modes 41-8 7- Hig            | 11-15  rate 80% 4           | 16-25  Higi 81-10 3-1  Extre 70-80    | 26-35<br>n 0%                   | <b>A</b> 5 | <b>B</b> 5    | <b>c</b> 5    | <b>D</b> 5    | <b>E</b> 5    |   |
| IV. T<br>Rainfall<br>Rating | Rating  tive Vegetative Cover Remain:                                                   | ing After Disturbance Low 0-40% 15-8  ntensity (.01) Moderate 40-59 |               | 7-10  Modes 41-8 7- Hig            | 11-15  rate 80% 4           | 16-25  Higi 81-10 3-1  Extre 70-80    | 26-35<br>n 0%                   | <b>A</b> 5 | <b>B</b> 5    | <b>c</b> 5    | <b>D</b> 5    | <b>E</b> 5    |   |
| IV. T<br>Rainfall<br>Rating | Rating  tive Vegetative Cover Remain:                                                   | ing After Disturbance Low 0-40% 15-8  ntensity (.01) Moderate 40-59 |               | 7-10  Modes 41-8 7- Hig            | 11-15  rate 80% 4  gh 69 11 | 16-25  Higi 81-10 3-1  Extre 70-80    | 26-35<br>n 0%<br>me<br>(+)<br>5 | <b>A</b> 5 | <b>B</b> 5    | <b>c</b> 5    | <b>D</b> 5    | <b>E</b> 5    |   |

#### **Erosion Control Plan**

#### **Copper Top Timber Harvest Plan**

On June 23, 2004 the North Coast Regional Water Quality Control Board adopted General Waste Discharge Requirements for timber harvest activities on non-federal land (Order #R1-2004-0030). These requirements require technical reports to be developed as a basis for corrective actions undertaken to control sediment, fuel, and other potential waste discharge sources within the project area. These reports include an Erosion Control Plan (this document), a Fuel Management Plan, and an Inspection Plan. The Fuel Management Plan applies to tanks over 1,320 gallons. No such tanks shall be used for this project; therefore, a Fuel Management Plan has not been prepared. The Inspection Plan is found at the end of this Erosion Control Plan.

RPF who prepared the Erosion Control Plan: Mark Pugsley, RPF #3097.

Date Erosion Control Plan prepared: June 27,2024.

The Erosion Control Plan must identify all controllable sediment discharge sources in the project area, including those roads used for timber harvest activities owned by or under the control of the landowner. "Controllable sediment discharge sources" are defined as sites or locations, both existing and those created by proposed timber harvest activities, within the project area that meet all of the following conditions:

- 1. Is discharging or has the potential to discharge sediment to waters of the state in violation of applicable water quality requirements or other provisions of the General Waste Discharge Requirements (WDRs),
- 2. Was caused or affected by human activity, and
- 3. May feasibly and reasonably respond to prevention and minimization management measures.

Between May 2023 and September 2023, field inspections of the project area, including those roads used for timber harvest activities owned by or under the control of the landowner, were inspected for sites defined as controllable sediment discharge sources. All watercourses and harvest units were walked during the course of the preparation of the THP. Several unstable areas were found near watercourses but will not be discussed here because they do not meet #2 and #3 of the definition for controllable sediment discharge sources.

#### A table of identified sites is attached to this document.

#### **Inspection Plan**

Inspections conducted prior to the winter period shall be designed to assure that sediment prevention measures are properly installed and maintained; winter period inspections should be designed to assure and assess management measure performance and determine if new controllable sediment discharge sources developed; post-winter period inspections should be designed to assure that the management measures have functioned adequately and whether any new controllable sediment discharge sources have developed. Management measures shall be evaluated for adequacy and proper implementation and whether additional management measures are required in accordance with the terms of the Order.

Qualified professionals shall conduct all specified inspections of the Project site to identify areas causing or contributing to a violation of applicable water quality requirements or other provisions of the General WDRs. The following person(s) may be conducting the inspections:

John Bennett (707) 894-4245

The following inspection requirements shall occur once the startup of timber harvest activities begin within Project areas:

At a minimum, conduct inspections each year and throughout the duration of the Project while Timber Harvest Activities occur and the Project is covered under General WDRs as follows:

- 1. By November 15 to assure Project areas are secure for the winter; and
- 2. Once following ten (10) inches of cumulative rainfall commencing on November 15 and prior to March 1, as worker safety and access allows; and
- 3. After April 1 and before June 15 to assess the effectiveness of management measures designed to address controllable sediment discharges and to determine if any new controllable sediment discharge sources have developed.

The only winter operations proposed in this plan are potentially timber falling on gentle ground away from watercourses. Pick-up travel may occur during extended dry periods resulting in dry soil conditions.

If during any inspection or during the course of conducting timber harvest activities, a violation of an applicable water quality requirement or conditions of the General WDRs is discovered, the provisions of section III.B.3. shall be followed. For all other inspections conducted pursuant to section III.G. where violations are not discovered, the Discharger shall submit a summary report to the Executive Officer by June 30 for each year of coverage under the General WDRs or upon termination of coverage. The summary report shall at a minimum include the date of each inspection, the inspector's name, the location of each inspection, and the title and name of the person submitting the summary report. The inspection reports shall be signed by the Discharger or their duly authorized representative, pursuant to section IV.S.

| Мар   | Туре        | Description                            | Treatment                                        | Delivery | Delivery  | Total  | Treatment |
|-------|-------------|----------------------------------------|--------------------------------------------------|----------|-----------|--------|-----------|
| Point |             |                                        |                                                  | Risk     | Potential | Site   | Priority  |
|       |             |                                        |                                                  |          |           | Volume |           |
| 4     |             | 18" Metal DR. Inlet is partially       | DRC: Excavate inlet and outlet and inspect for   | Medium   | 2yd       | 10yd   | Medium    |
|       | Complex     | buried, and outlet is entirely buried. | rust. Replace with 18" minimum culvert if        |          |           |        |           |
|       |             |                                        | necessary. If culvert is sound no further        |          |           |        |           |
|       |             | Class III watercourse crossing with    | treatment.                                       |          |           |        |           |
|       |             | no watercourse crossing place. No      | WC: if wet at times of operations drain via a    |          |           |        |           |
|       |             | active erosion observed                | 4" flex pipe. After operations and prior to the  |          |           |        |           |
|       |             |                                        | winter period, install dip to drain feature      |          |           |        |           |
|       |             |                                        | after operations.                                |          |           |        |           |
| 8     | Complex     | WC: Class III crossing with 18" metal  | WATERCOURSE CROSSING: Replace with 24"           | Medium   | 2 yd      | 5 yd   | Medium    |
|       |             | culvert that is rusting through.       | minimum culvert. Refer to Sec II, Item 38        |          |           |        |           |
|       |             | Functioning.                           | Typicals.                                        |          |           |        |           |
|       |             | Seep: 50 feet east of WC is a is a     |                                                  |          |           |        |           |
|       |             | bank seep that runs across the road    | Bank Seep: if wet at time of operations drain    |          |           |        |           |
|       |             | with no drainage feature in place.     | via a 4" flex pipe, after operations remove      |          |           |        |           |
|       |             | Minimal erosion occurring at site      | flex pipe and install dip to drain feature after |          |           |        |           |
|       |             | and no sediment delivery to            | operations.                                      |          |           |        |           |
|       |             | watercourse was observed.              |                                                  |          |           |        |           |
| 9     | WATERCOURSE | 36" metal culvert with inlet rusting   | Replace culvert with 36" minimum culvert.        | Low      | 1 yd      | 10 yd  | Medium    |
|       | CROSSING    | out. Functioning.                      | Refer to Sec II, Item 38, Typicals.              |          |           |        |           |
| 11    | TRACTOR     | Existing Class III tractor crossing.   | If utilized: Use only if crossing is dry. After  | Low      | 3yd       | 3yd    | High      |
|       | CROSSING    |                                        | operations, slash pack approaches within ELZ     |          |           |        |           |

Delivery Risk = Probability of sediment delivery. Delivery Potential = What is the rate of delivery in the event of failure Deliverable site volume = What volume of the site is likely to deliver sediment. Treatment priority = High priority sites should be treated first year of ground-based operations at site. Moderate priority sites should be treated by end of 3rd year. Low priority sites should be treated by end of 5th year or completion of timber operations, whichever is first.

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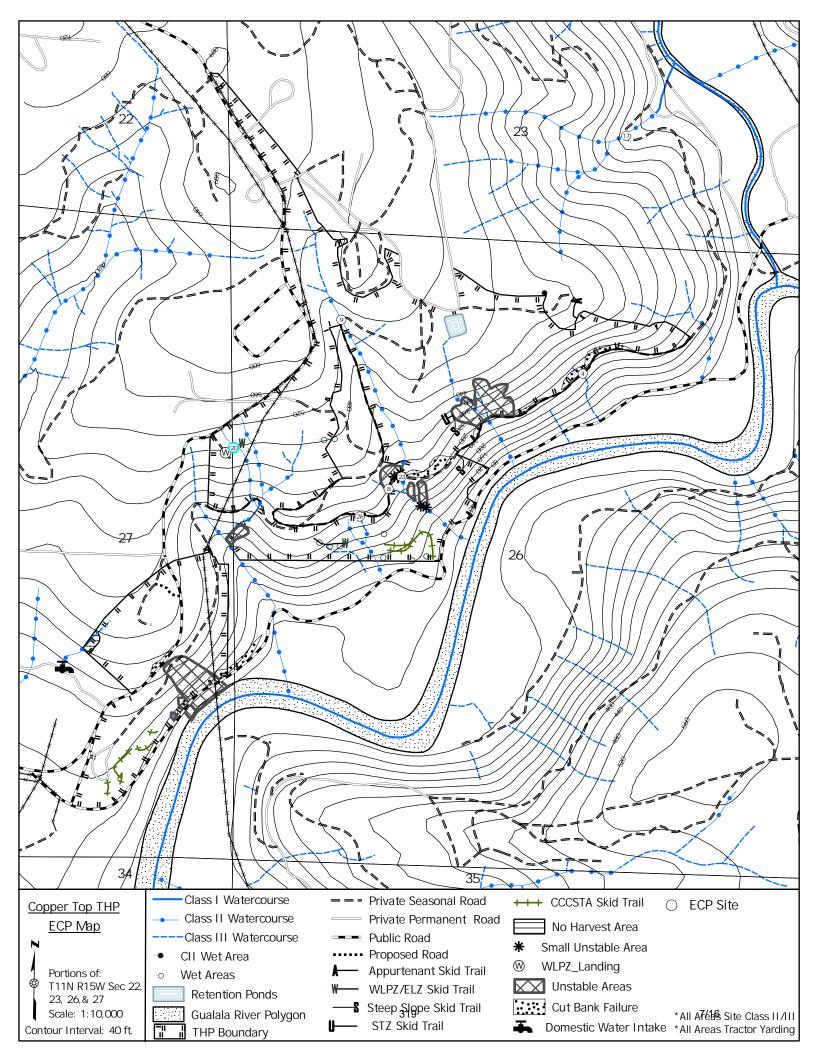
|    |             |                                       | prior to the winter period. Refer to Sec II,    |      |      |      |        |
|----|-------------|---------------------------------------|-------------------------------------------------|------|------|------|--------|
|    |             |                                       | Item 38 Typicals.                               |      |      |      |        |
|    |             |                                       | If NOT utilized: no treatment proposed.         |      |      |      |        |
| 17 | WATERCOURSE | Pulled Class II Crossing. Functioning | Install temporary crossing utilizing 30"        | Low  | 1 yd | 1 yd | Low    |
|    | CROSSING    |                                       | minimum diameter culvert. Remove crossing       |      |      |      |        |
|    |             |                                       | after operations Refer to Item 38, Typicals     |      |      |      |        |
| 20 | TRACTOR     | Proposed CII Tractor Crossing.        | If utilized: Install a tractor crossing using a | Low  | 1 yd | 1 yd | Medium |
|    | CROSSING    | Tractor crossing occurs at area of    | 12" minimum culvert to drain feature. Retain    |      |      |      |        |
|    |             | low gradient(5%). Proposed WLPZ       | core zone trees and vegetation to the extent    |      |      |      |        |
|    |             | skid trail and crossing will require  | feasible. After operations: Slash pack WLPZ     |      |      |      |        |
|    |             | minimal tree removal and avoids       | skid trail and waterbar to the Extreme EHR      |      |      |      |        |
|    |             | the removal of sprouting species      | standard. If not utilized: No treatment         |      |      |      |        |
|    |             | roots.                                |                                                 |      |      |      |        |
| 21 | TRACTOR     | Existing Class III tractor crossing.  | If utilized: Use only if dry. After operations, | Low  | 3 yd | 3yd  | High   |
|    | CROSSING    |                                       | slash pack approaches within ELZ prior to the   |      |      |      |        |
|    |             |                                       | winter period. See Item 38, Typicals. If NOT    |      |      |      |        |
|    |             |                                       | utilized: no treatment proposed.                |      |      |      |        |
| 23 | Watercourse | Existing Class II watercourse         | Remove WC and replace culvert with a 40"        | High | 3yd  | 10yd | High   |
|    | Crossing    | crossing utilizing a 40" metal        | minimum culvert. Move culvert inlet away        |      |      |      |        |
|    |             | culvert. The WC is located at the     | from rock wall 1-3' well maintaining            |      |      |      |        |
|    |             | base of a steep cut into a rock face. | sufficient road prism width to allow for        |      |      |      |        |
|    |             | The WC has evidence of being          | logging vehicle traffic. To the extent feasible |      |      |      |        |
|    |             | overtopped during high flow events    | remove rocks that jut out of rock face and      |      |      |      |        |
|    |             | resulting in minor road erosion.      | direct flows away from crossing site. Refer to  |      |      |      |        |

Delivery Risk = Probability of sediment delivery. Delivery Potential = What is the rate of delivery in the event of failure Deliverable site volume = What volume of the site is likely to deliver sediment. Treatment priority = High priority sites should be treated first year of ground-based operations at site. Moderate priority sites should be treated by end of 3rd year. Low priority sites should be treated by end of 5th year or completion of timber operations, whichever is first.

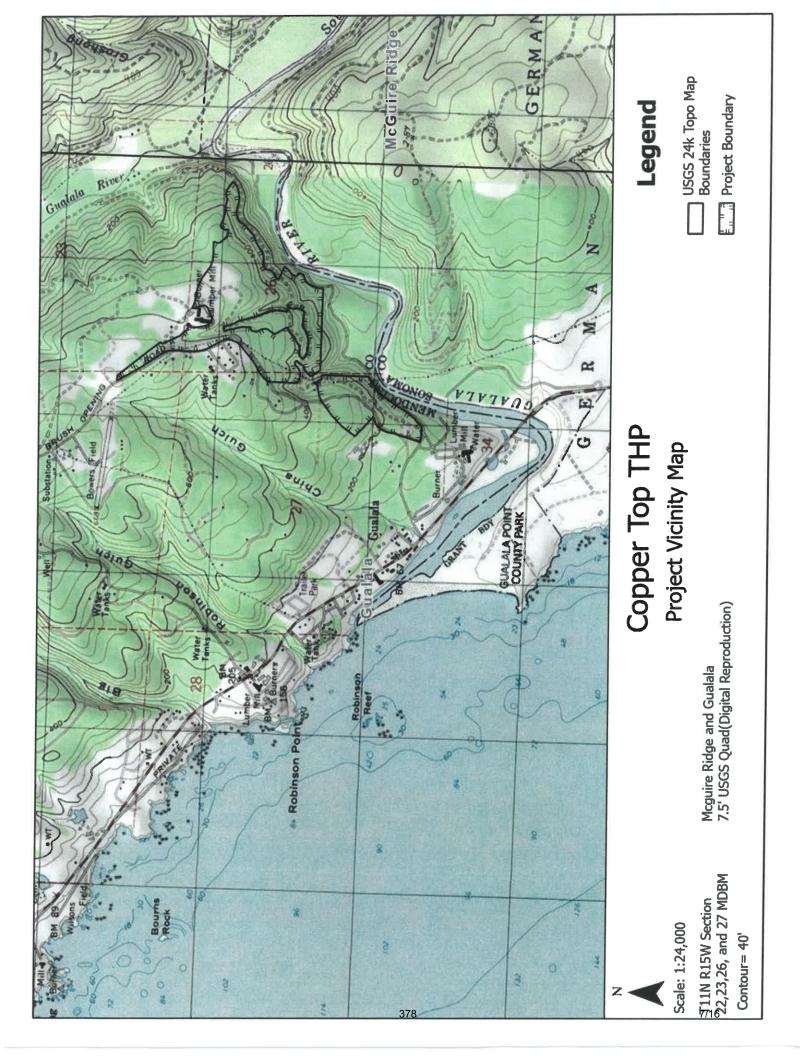
|    |             |                                       | Sec II, Item 38 Typicals.                  |        |     |     |        |
|----|-------------|---------------------------------------|--------------------------------------------|--------|-----|-----|--------|
| 26 | Watercourse | An 18" metal culvert that forms the   | Replace with 24" minimum culvert. Refer to | Medium | 2yd | 5yd | Medium |
|    | Crossing    | head of Class III. Inlet is partially | Sec II, Item 38 Typicals.                  |        |     |     |        |
|    |             | buried and outlet is rusting through. |                                            |        |     |     |        |

Delivery Risk = Probability of sediment delivery. Delivery Potential = What is the rate of delivery in the event of failure Deliverable site volume = What volume of the site is likely to deliver sediment. Treatment priority = High priority sites should be treated first year of ground-based operations at site. Moderate priority sites should be treated by end of 3rd year. Low priority sites should be treated by end of 5th year or completion of timber operations, whichever is first.

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# Copper Top THP Domestic Water Supply Notifications and Responses

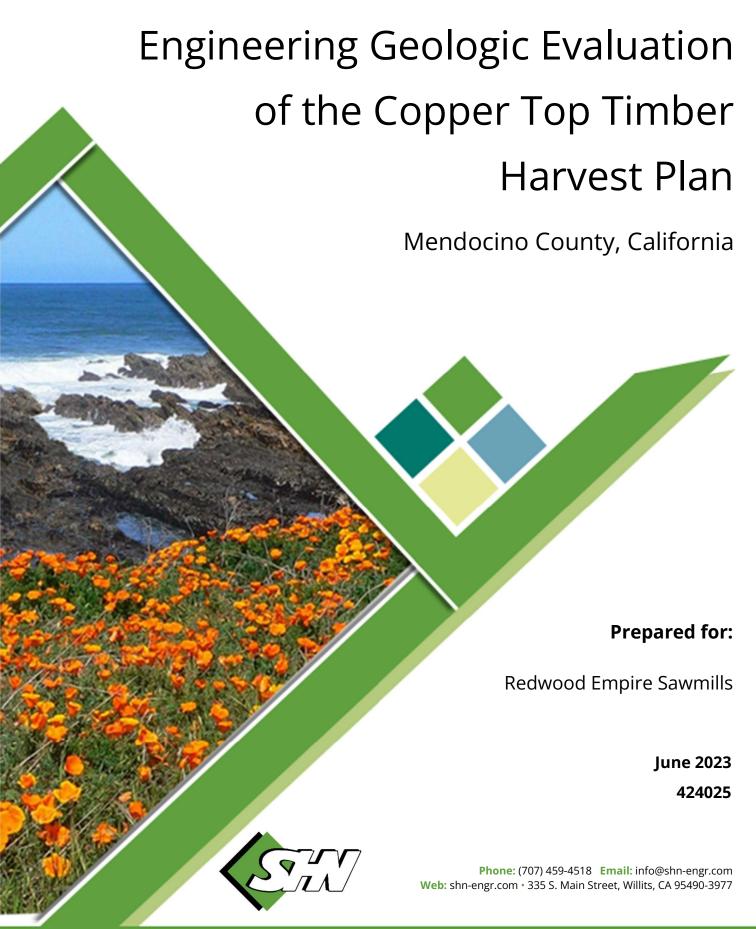


# Copper Top

# **Geology Supporting Documents**

- CEG Report
- CGS Pre-consultation
- Big Pepperwood Watershed Slide Report\*

<sup>\*</sup>This report is a combination of orthophoto analysis conducted by Tim Best, CEG and unstable features by RPFs. This analysis is limited in scope and should not be considered a formal assessment.





Reference: 424025

June 3, 2024

Jesse Weaver, RPF, and Mark Pugsley, RPF Redwood Empire Sawmills P.O. Box 156 26800 Asti Road Cloverdale, CA 95425

Subject: Engineering Geologic Evaluation of the Copper Top Timber Harvest Plan, Mendocino County, California

Jesse Weaver and Mark Pugsley:

This report presents the results of a focused geologic evaluation of the Copper Top Timber Harvest Plan (THP). This investigation is focused on the evaluation of landslide potential and an assessment of whether the proposed harvest activities may lead to mass wasting that would increase sediment delivery to watercourses in the area. The harvest operations are subject to standard Forest Practice Rules criteria. The THP is located east of Gualala in the Big Pepperwood Creek watershed within the larger Gualala River watershed. The results of this investigation are based on review of the preconsultation letter prepared by California Geological Survey (CGS) for the Copper Top THP (dated February 22, 2024), published geologic maps and literature, the previous management conducted on the property, interpretation of a variety of available aerial imagery, and a field reconnaissance.

If you have any questions, please call (707) 459-4518.

Sincerely,

SHN

Christina M. Tipp, CEG Engineering Geologist

Christinatipp

CMT/GDS:ame

Enclosure: Report

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# **Engineering Geologic Evaluation of Copper Top Timber Harvest Plan Mendocino County, California**

Prepared for:

**Redwood Empire Sawmills** 



Christina M. Tipp, CEG

Prepared by:



335 S. Main St.Willits, CA 95490-3877(707) 459-4518

June 2023

QA/QC: CMTCMT Reference: 424025

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# **Abbreviations and Acronyms**

| Term     | Definition                                                           |
|----------|----------------------------------------------------------------------|
| CAL FIRE | California Department of Forestry and Fire Protection                |
| CCCSTA   | California Coastal Commission Special Treatment Area                 |
| CDMG     | California Department of Conservation, Division of Mines and Geology |
| CEG      | Certified Engineering Geologist                                      |
| CGS      | California Geological Survey                                         |
| GRT      | Gualala Redwoods Timber                                              |
| H:V      | horizontal:vertical                                                  |
| Ka       | Gualala Formation and/or Anchor Bay member map unit                  |
| NR       | no reference                                                         |
| Qmt      | Marine Terrace Deposits map unit                                     |
| RPF      | Registered Professional Forester                                     |
| Tg       | German Rancho Formation map unit                                     |
| THP      | Timber Harvest Plan                                                  |
| WLPZ     | watercourse and lake protection zones                                |



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#### Introduction

This report presents the results of a focused geologic evaluation of the Copper Top Timber Harvest Plan (THP). This investigation is focused on the evaluation of landslide potential and an assessment of whether the proposed harvest activities may lead to mass wasting that would increase sediment delivery to watercourses in the area. The harvest operations are subject to standard Forest Practice Rules criteria. The THP is located east of Gualala in the Big Pepperwood Creek watershed within the larger Gualala River watershed (see Figure 1).

The results of this investigation are based on review of the pre-consultation letter prepared by California Geological Survey (CGS) for the Copper Top THP (dated February 22, 2024), published geologic maps and literature, the previous management conducted on the property, interpretation of a variety of available aerial imagery, and a field reconnaissance. This investigation is consistent with the work scope outlined in CGS Note 45: Guidelines for Engineering Geologic Reports for Timber Harvesting Plans (CGS, 2013a). We had a field meeting and performed a focused field reconnaissance with a Redwood Empire Sawmills project forester, Mark Pugsley, on April 2, 2024. During our reconnaissance, we visited areas of concern identified by the project forester and shown on a CGS geologic map prepared during a pre-consultation meeting, features of interest identified in published geologic maps, and areas where the topography was suggestive of potential instabilities. The site reconnaissance was focused on unstable locations chosen by the Registered Professional Forester (RPF), areas outside of the limits of the THP were not evaluated (with the exception of the mid-section of the THP). In this report, we use the terminology presented in CGS Note 50 (CGS, 2013b) and in Cruden and Varnes (1996). Landslide age classes described herein are based on the criteria defined in Keaton and DeGraff (1996).

In the completion of our investigation, we have reviewed the following maps and documents:

- THP mapping showing areas of concern identified by the project forester
- Geologic reports and published geomorphic maps covering the plan area and immediate vicinity (Fuller and Curtis, 2002; Blake and others, 2002; Wentworth and others, 1998; Williams and Bedrossian, 1976)
- CGS Landslide Inventory Database
- Light detection and ranging (LiDAR-based contour map
- Aerial Photographs
- Previous THPs and Review Memorandums provided by Redwood Empire Sawmill

Previous engineering geologic reports were prepared for areas that overlap with the Copper Top THP, including a report by Timothy Best (2005), Thomas Spittler (1989) for THP #1-90-652 MEN, and the Belladonna THP (2008). Review memorandums by Haydon and Spittler (1999) for THP #1-99-460 MEN, review by Department of Forestry and Fire Protection for THP #1-08-086 MEN, and unstable areas mapped in the Big Pepperwood Creek PWS map set (Best, 2024) were reviewed.

# **Site and Plan Description**

The Copper Top THP consists of 1 unit encompassing approximately 163 acres located in the Big Pepperwood Creek Planning Watershed, which is within the larger Gualala Watershed. The THP area extends along and (primarily) east/southeast of Old Stage Road and north of Gualala Road and toward



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the east, see Figure 1. Both roads, the lumber mill located in the northern section of the THP, and several dirt roads provide access to the THP area. There is an access road (referred to herein as "the main road") along the lower portion of the THP that provides access to a lot of the THP area in addition to the public roads bordering the plan. The THP has been logged in the past; therefore, existing roads, previously used roads, and abandoned skid trails may be used and/or re-opened for use for ground-based yarding.

The plan area has an irregular shape and, therefore, encompasses multiple Class II and III watercourses and a variety of slope gradients. The harvest area typically slopes down toward the Gualala River (Class I watercourse) with elevations ranging from 90 feet near the Gualala River at the southeastern boundary to 675 feet in the northern portion of the harvest area. Moderate to steeply sloping natural hillsides generally ranged from 45 to 25 percent slopes (equivalent to 2:1 to 4:1, horizontal:vertical [H:V]), with an occasional 82 percent slope (1.2:1, H:V). Cutbanks made for roads and skid trails were the steepest slopes observed on the site, as steep as 100 to 150 percent slopes (1:1 to 0.7:1, H:V). There are relatively flat to gentle areas in the northern section of the THP by the lumber mill with 17 to 6 percent slopes (equivalent to 6:1 to 15:1, H:V). The Class II watercourses have incised the hillside terrain and generally appear hydraulically connected to the Gualala River.

Proposed silviculture consists of single tree selection, California Coastal Commission Special Treatment Area (CCCSTA) selection, and No Harvest. CCCSTA areas will retain 75 square-feet per acre of basal area. The entire project will be harvested utilizing ground-based operations with limited use of tractors on steep slopes (slopes >50%). The THP area maintains timber of approximately 35 percent redwood, 30 percent Douglas fir, 15 percent Bishop pine, 15 percent hardwood, and 5 percent Grand fir.

Pertinent data relative to the Copper Top THP is included in Table 1.

**Table 1. Assessment Location and Operation Information** 

| <b>Assessment Location</b> | Information                                                                 |  |  |
|----------------------------|-----------------------------------------------------------------------------|--|--|
| Legal Description          | Sections 22, 23, 26, and 27 of T11N, R15W                                   |  |  |
| Legal Description          | (Mendocino Baseline and Meridian (MDBL&M))                                  |  |  |
| USGS 7.5-minute            | Cualala 7 E minuta guadrangla                                               |  |  |
| Quadrangle                 | Gualala 7.5-minute quadrangle                                               |  |  |
| Cal Watershed              | Big Pepperwood Creek PW (1113.850201) within Gualala River watershed        |  |  |
| Units                      | One                                                                         |  |  |
| Silviculture               | Single Tree Selection, California Coastal Commission Special Treatment Area |  |  |
| Silviculture               | (CCCSTA) Selections, and Harvest Restrictions as Recommended below          |  |  |
| Yarding Technique          | Ground based, limited use of tractors on steep slopes (slopes > 50%)        |  |  |

Management adjacent to watercourses is dictated by prescriptions outlined in the California Forest Practice Rules (2024) and consists of harvest restrictions of variable widths (relative to slope steepness). The restrictions occur along watercourses and are referred to as watercourse and lake protection zones (WLPZ).

A residential subdivision is located northwest of the THP, opposite Old Stage Road. Other structures including residences, the Gualala Redwoods Timber (GRT) office, and lumbermill buildings are located within or adjacent to the limits of the THP. The slope gradients near the structures generally ranged from 6 to 9 percent (equivalent to 11:1 to 16:1, H:V), with the exception of the GRT office. The GRT office



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is located on a relatively flat building and parking lot pad in an area with slopes up to 17% (equivalent to 6:1, H:V).

There are no active domestic water sources within the plan area.

### **Previous Management**

The Copper Top THP occupies ground that was most recently harvested in 2008 under THP 1-08-086 MEN and was also entered under previous THPs (1-05-023 MEN, 1-99-560 MEN, and 1-90-652 MEN). As mentioned above, the majority of this THP was evaluated in previous THPs. Table 2 lists the previous plans which overlap or are adjacent to the Copper Top THP.

Table 2. Previous Timber Harvesting Plans (THPs)

| THP#         | Informal THP Title | Geologic Report reference |
|--------------|--------------------|---------------------------|
| 1-90-652 MEN | Green Bridge THP   | Spittler, 1990            |
| 1-99-460 MEN | Review of THP      | CDMG, 1999                |
| 1-05-023 MEN | Clover THP         | Best, 2005                |
| 1-08-086 MEN | Belladonna THP     | Belladonna, 2008          |

1-99-460 THP was mostly concentrated northwest/west of the Copper Top THP, and those harvest areas are primarily located outside the harvest limits of the current plan. The maps show wet or marsh areas on the lower slopes of the Copper Top THP and alongside the Gualala River.

The Clover THP (1-05-023) consisted of nine separate units and appears to partially overlap the subject THP along the east side.

The Belladonna THP (1-08-086) has significant overlap with the subject THP, with extended boundaries down to Gualala Road and farther to the southeast. The map of unstable areas within the Belladonna THP boundaries was reviewed and features that were mapped within the boundaries of the Copper Top THP were revisited, described, and included in our mapping (see Figure 2 for an overall map of unstable areas). The erosion hazard risk was found to be moderate to high.

The instabilities encountered during previous THPs that overlap with the Copper Top THP are included in our Figures 4, 5, and 6 (Appendix 1) and in the Table of Unstable Areas (Appendix 2) where confirmed.

# **Aerial Photographic Review**

We obtained aerial photographs of the project area for evaluation of land management and landslide history. The photographs ranged from 1947 to 2020. The photographs that were viewed in stereo include the following years: 1965, 1971, 1972, 1988, and 1994. The photographs from the other years mentioned were not available in stereo. In addition, Google Earth and NETROnline imagery was reviewed to supplement the aerial photographs and to evaluate the land history since 2020. Observations related to harvest management and slope instabilities are presented below. The 1947 aerial photograph covers the entire THP, and the area appears densely forested. Gualala Road, Old Stage Road, and a few dirt roads are visible within the THP area. The area of the lumber mill on the relatively flat area is fairly bare. The topography indicates where incised watercourses are located, similarly to today and draining down to the Gualala River.



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In the 1959 photograph, abundant skid trails are visible surrounding the THP area and the main road along the bottom of the THP area is very prominent. Harvest operations are apparent northeast and west of the THP area, as well as surrounding the lumber mill.

By 1961, the lumber mill footprint appears the same, the roads that were graded by 1959 remain in use and a few skid trails or dirt access roads extend into the THP area.

The 1965 set only covers the southwest corner of the THP area. Roads leading upslope and into the THP are evident.

In the 1971 and 1972 photograph sets, skid trails into the area are still evident and a road from the lumber mill area down to the main access road above Gualala Road is apparent. The THP area appears densely forested. Bare ground was observed in the location of the rock pit where the cutbanks are located and landings were created.

There is a bare spot in the forest upslope of the Gualala River and Gualala Road, outside the limits of the THP, that is apparent in many of the photos after 1982. The bare spot connects up to old roads that disappear beneath the canopy in later years, suggesting the bare spot is a landing.

The THP area appears similar in the 1988 photo with the access roads and skid trails visible and area forested. The locations of the incised watercourses are evident by the topography and continue to drain down toward the Gualala River.

Harvest operations appear to have occurred by 1994 on the site as short cable yard corridors appear to extend from the THP to the road along the northwest boundary and the forest appears less dense then in previous years.

In the 2005 and 2009 photographs, harvest activities appear to have occurred in the mid-section of the THP area, including the area in the middle that has been removed from the THP area. The tree canopy appears thinner, skid trails and roads extend through the mid-section of the THP area, and landings are more apparent. Vegetation has grown in around the rock pit cutbank location and the adjacent landings by 2005 and 2009.

Harvest operations are evident within the THP area in the 2012 photograph. The main road that leads to the lumber mill is evident, and there are several roads and skid trails that extend from the main road into the THP area. Landings are visible and the tree canopy appears less dense, particularly in the mid-section and toward the north. Minimal activities appear to have occurred between Gualala Road and the main road along the base of the THP.

The area appears to have experienced vegetation re-growth by 2014, as the site appears dense with trees and the tree canopy is covering the previous skid trails. The main road which connects to the lumber mill remains obvious.

The tree canopy appears to continue experiencing re-growth and filling in from 2014 to 2018. The cutbank by the rock pit remains apparent as does the main road up to the lumber mill and to Old Stage Road. The bare spot is evident in the 2018 photograph and skid trails connect to this location.



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In the 2020 photograph, only the main road, Gualala Road, and Old Stage Road are apparent. The tree canopy continues to increase. The topographic dent in the tree canopy shows where the watercourse though the middle of the site and another watercourse farther to the west are both located, which is identical to the watercourse locations in the 1947 photographs.

In addition to reviewing aerial photographs, we reviewed the available historic images available on Google Earth and NETROnline for the years 2020-2023. The site appears similar to the 2020 photograph description above. The main access road near the base of the THP, Gualala Road, and Old Stage Road all appeared to be in the same location over the length of time the photographs covered. The watercourses that have incised the topography remained in the same locations as did the Gualala River.

There were no large slope instabilities visible at the scale of the photos during the length of time reviewed. This does not conclude that no landslides or unstable areas formed from 1947 to 2023, simply that there were no large-scale instabilities that were visible through the tree canopy. However, the locations of the roads appeared identical over the course of the years, which suggests there were no large-scale instabilities that caused a road to be moved or closed a road for a significant period of time. In addition, the few watercourses evident in the aerial photographic review also remained in the same locations with flow paths that did not appear disrupted.

# Geologic, Geomorphic, and Seismic Setting

#### **Geologic Setting**

The geologic maps (Fuller and Curtis, 2002; Blake and others, 2002; Wentworth and others, 1998) for this THP indicate the THP is primarily underlain by bedrock labeled as German Rancho Formation (map unit Tg). The upper elevations of the THP in the north are partially underlain by Marine Terrace Deposits (map unit Qmt). The southwest portion is underlain by Qmt at the higher elevations and Gualala Formation and/or Anchor Bay member (map unit Ka) at lower elevations. The geologic contacts between the three deposits are shown on the geologic map and extends through the THP area, refer to the geologic map, Figure 3 in Appendix 1.

The Marine Terrace Deposits are Holocene to Pleistocene in age and consist of "clast-supported deposits of relatively uniform grain size overlying wave-cut benches. The degree of consolidation, amount of soil profile development and elevation of the unit above sea level increased with age of the deposit."

The German Rancho Formation is described as Eocene and Paleocene rocks that "consist of marine sandstone, conglomerate and thin to thick interbeds of sandstone and mudstone. Sparse fossils indicate their age's range from Paleocene to middle Eocene. Some sandstone beds have significant porosity."

The Anchor Bay member of the Gualala Formation bedrock unit is described as "thin to thick interbeds of marine sandstone and mudstone, interspersed with massive sandstone and conglomerate. Mega fossils indicate they are of Upper Cretaceous age. Porosity is very low.... The rocks...are overlain conformably by the "strata of German Rancho."

Deposits of the German Rancho Formation and Anchor Bay bedrock member were observed at shallow depths beneath colluvial soils in road and skid trail cuts, as boulders in debris slides, in headscarps of unstable features, and within incised watercourses. Bedrock appeared to be shallow (within 1 to 3 feet of the ground surface) where it was observed on moderate to steep slopes. The slopes where the



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Marine Terrace deposits were located were generally gentle slopes covered with thick vegetation; thus, the marine terrace deposits were not observed during our reconnaissance.

The site is in close proximity to the San Andreas fault zone and the geologic mapping (Fuller and others, 2002; Blake and others, 2002) shows fault splays extending through the THP between the differing bedrock units and through the German Rancho Formation (see Figure 3). The bedrock in this region has been deformed due to regional tectonic activity including uplift and displacement, which is expressed in the various bedding orientations mapped by Blake and others (2002). Bedding is shown oriented eastwest and northwest with dips toward the northeast, north, northwest, southwest, and southeast. The main stem of the Gualala River follows the San Andreas fault, and then the river meanders through the incised terrain in the river valley downslope and south of the project area to drain towards the Pacific Ocean (west).

#### **Geomorphic Setting**

The Big Pepperwood and Gualala River watershed have experienced high levels of landslide activity due to high rainfall, tectonic uplift, steep slopes from tributary incision, sheared rock, and ground shaking due to earthquakes. The large storms, earthquakes, and fires trigger slope instability and causes stream sedimentation to fluctuate with the varying naturally occurring events.

The site is located in a topographically dynamic area with descending elevations from the lumber mill in the northern portion of the property down toward the south/southeast where the Gualala River is present. The THP is within terrain that ranges from gently sloping land to moderately and steeply sloping hillsides. The watercourses within this THP connect to the Gualala River, which flows west to the Pacific Ocean.

The plan area consists of mostly Class II and III watercourses that are hydraulically connected to the Gualala River (Class I watercourse). The Class II watercourses were incised from 1 to 4 feet within the THP area and generally exposed bedrock in the channel bottom with colluvial soils above. Class III watercourses lacked significant incision. The fairly straight watercourse through the middle of the THP area that transitions from a Class II to Class III and has moderate side slopes down to the channel bottom. During the reconnaissance, we observed rock exposed in the channel bottom, suggesting this watercourse has incised through the colluvial soils and hillside terrain over a long period of time. The rock channel bottom suggests incision of the channel by the watercourse is no longer occurring, in addition to the rock face observed at 1b where a small waterfall drains down to a 4-foot-diameter culvert. This watercourse was visible on all aerial photographs and surficial imagery reviewed.

Slope inclinations range from relatively flat land at the lumber mill to gently sloping ground (northern portion of THP) to moderately and steeply inclined slopes. Steep slopes, which includes cutbanks made during construction of the road, were primarily located above Gualala Road, along the south/southeast boundary of the THP. The steep slope inclinations, including some cutbanks, range from 66 to 40 percent slopes (equivalent to 1.5:1 to 2.5:1, H:V). A few cutbanks were oriented as steep as 100 to 150 percent slopes (equivalent to 1:1 to 0.7:1, H:V). Gentle to moderate slopes were generally situated along the northern and central portions of the THP with slopes that range from 33 to 16 percent slopes (equivalent to 3:1 to 6:1, H:V).

During our reconnaissance, we observed the main access road for the THP, located in the lower portion of the area, and a few old skid trails had been carved into the surficial landscape. The skid trails are



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generally overgrown and vegetated across the plan area. Cutbanks generally ranged from 2 to 15 feet high along skid trails and roads. The highest cutbanks, up to 30 to 40 feet high, were observed at the rock pit (CB-2) and the road extending northeast from the rock pit (CB-3). Some minor sloughing or unraveling of material from the cutbanks (less than ¼ cubic yard) was visible at the cutbanks due to the steepness of the cuts made for the road; however, any failed material appears to be caught by the ditches along the inboard side of the roads. Bedrock and native soils were observed in the cutbanks. The observed cutbanks appeared to be capable of holding the steep inclinations they were excavated at across the THP area.

The majority of the unstable areas were also located along roads and skid trails and on steep slopes descending toward watercourses.

Within the study area, we have mapped unstable features described as debris slides, debris flow/torrent tracks, inner gorge, and a complex area of various types of landsliding and debris slide activity. Generalized descriptions of the unstable slope features encountered in the harvest are listed in the table below:

Table 3. Mapped Geologic and Geomorphic Features Related to Landsliding

| Geologic/Geomorphic<br>Feature Name | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Debris Slide Slope                  | Steep (generally greater than 65%), well vegetated slopes that have been sculpted by numerous debris slide events; vegetated soils and colluvium above shallow soil/bedrock interface may be disrupted by active debris slides or bedrock exposed by former debris sliding; slopes near angle of repose may be relatively stable except where weak bedding planes and extensive bedrock joints and fractures are parallel to the slope.                                                                                                                           |
| Debris Slide                        | Unconsolidated rock, colluvium, and soil that has moved slowly to rapidly downslope along a relatively steep (generally greater than 65%) shallow translational failure plane; forms steep, unvegetated scars in the head region and irregular hummocky deposits (when present) in the toe region; scars likely to ravel and remain unvegetated for many years; revegetated scars recognized by steep, even-faceted slope and light-bulb shape; includes scarp and slide deposits.                                                                                |
| Debris Flow/Torrent<br>Track        | Long stretches of bare, generally unstable stream channel banks scoured and eroded by the extremely rapid movement of water-laden debris; commonly triggered by debris sliding in the upper part of the drainage during high intensity storms; scoured debris may be deposited downslope as a tangled mass or organic material in a matrix of rock and soil; debris may be reactivated or washed away during subsequent events.                                                                                                                                   |
| Inner Gorge                         | A geomorphic feature formed by coalescing scars originating from landsliding and erosional processes caused by active stream erosion. The feature is identified as that area beginning immediately adjacent to the stream channel below the first break in slope.                                                                                                                                                                                                                                                                                                 |
| Landslide                           | Possess features or styles of movement suggestive of two or more types of sliding. The upper portion of the landslide appears to be behaving as a rotational or translational slide but then, as movement continues, the toe (or lower portions of the failure) disintegrates into a failure more appropriately characterized as an earthflow. Can be quite variable in size, up to hundreds of acres, and generally are deep seated. This designation should also include cutbank, cut slope and fill slope failures as well as rock fall and rock topple modes. |



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Table 3. Mapped Geologic and Geomorphic Features Related to Landsliding

| Geologic/Geomorphic<br>Feature Name         | Description                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Translational/Rotational<br>Landslide Slide | Relatively cohesive slide mass with a failure plane that is deep-seated in comparison to that of a debris slide of similar areal extent. The sense of motion along slide plane is linear in a translational slide and arcuate or rotational in a rotational slide; complex versions with rotations heads and translational movement or earthflows downslope are common. |
| Earthflow                                   | Mass movement resulting from slow to rapid flowage of saturated soil and debris in a semi-viscous, highly plastic state; after initial failure, the flow may move, or creep, seasonally in response to destabilizing forces.                                                                                                                                            |

Unpublished maps pinpointing the locations of unstable areas and a correlating inventory list were created by Tim Best (dated 2024) utilizing aerial photography. The maps and list were not field confirmed by Best. There are only a few unstable areas mapped by Best (2024) that are within the boundaries of the THP. We visited the area within the THP boundary where he denoted unstable areas (1103, 1104, 1105, and 1100) and have included the unstable areas that are field confirmed in this report. Several unstable areas were mapped downslope of the THP area. In addition, there were two unstable features mapped in the southwest portion of the THP between a skid trail and a road (1876 and 1877); however, those areas where not listed on the inventory list provided by the RPF.

The CGS Landslide Inventory dataset and mapping by Fuller and others (2002) shows a large dormant mature rockslide within the limits of the THP. The CGS interpretation of the feature states "probable (75% confident it is a landslide; one or two geomorphic features suggesting a landslide origin; features recognizable but subdued by erosion)...shallow – 0 to 10 ft...mapped in 2002." The rockslide is mapped on a steep hillside where rock outcrops were visible in headscarps of small unstable features and along watercourses; however, there was no indication of this slide while in the field and no surface expression when viewing geographic information system (GIS) and LiDAR imagery. The area of the mapped slide has been incised by watercourses and disturbed by roads, skid trails, and landings. Based on the lack of evidence in the field and imagery of this feature, dissected body of the feature, and the dormant mature age of the feature stated by CGS, this rockslide is not included as an unstable area in our mapping and has very low to negligible potential of sediment delivery to watercourses.

The landslide inventory database has also mapped debris slide slopes extending along the base of the THP area from the main access road down to Gualala Road and down to the river in a location. This mapping was completed in 1984. The area is densely forested in the photographs we reviewed from 1947 to 2020. In addition, smaller slope instabilities were mapped by CGS, Davenport (1984), and Fuller and others (2002) within the debris slide slope area within the THP that correspond with unstable features and/or cutbanks included in our mapping. Refer to Figure 3 for the features mapped by Fuller and others (2002).

During our reconnaissance, we observed that the ground has disturbed surface geomorphology across portions of the THP due to skid trail construction, logging activities (dragging felled logs, re-distribution of soils during road/trail construction), and cut and fill roads and landings. Field reconnaissance, aerial photographs, and LiDAR all indicate logging has occurred within the area of this THP, which has altered the original landscape. The gentler slopes of the northern portion and the central/western portion are



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generally free of slope failures, and the areas appear more stable overall due to the reduced slope inclinations when compared to the lower portions of the THP area where slope gradients increase.

#### **Seismic Setting**

Northwestern California is the most seismically active region in the continental United States. The THP area is located immediately west of the San Andreas fault zone and just outside the limits of the Alquist-Priolo Fault Zone (Slosson, 1974). Surface ruptures have occurred along the San Andreas fault in many locations in California. The recurrence interval between earthquakes on the northern San Andreas fault is not currently known. Paleoseismic studies at Fort Ross, along the Sonoma county coast, suggest at least four and perhaps as many as six, surface rupturing earthquakes on the fault in the past 2,000 years (Simpson and others, 1996).

According to the Earthquake Shaking Potential for California map (Branum and others, 2016), the site will experience stronger earthquake shaking more frequently due to the proximity of a major, active fault (San Andreas Fault).

There are numerous sources that could potentially provide large earthquakes and strong ground shaking, in addition to the San Andreas fault zone. More than 60 earthquakes have produced discernible damage in the region since the mid-1800s, and historic seismic paleoseismic studies suggest there are six distinct sources of damaging earthquakes in the region.

- 1. **Mendocino Triple Junction (MTJ):** Infrequent moderate magnitude earthquakes occur in the complex triple junction region. These events are generally shallow, onshore events in the magnitude (M) of 5 to 6 range.
- 2. **Mendocino Fracture Zone**: This high-angle, east-west trending fault represents the plate boundary between the Gorda and Pacific plates. It generates predominantly right-lateral strikeslip earthquakes.
- 3. **Gorda Plate**: This relatively small plate remnant is breaking up as it approaches the subduction zone. Frequent earthquakes are generated along left-lateral strike-slip faults within the plate itself. The plate is subducting a northeastward direction.
- 4. **Faults within the North American Plate:** Along the leading edge of the North American plate where it overrides the Gorda plate, oblique compression is manifested along a broad, northwest trending fold-and-thrust-belt. Individual faults within the belt could produce earthquakes in excess of M7. Movement along the fault may occur as co-seismic slip in-conjunction with slip on another fault (that is, San Andreas, MTJ, or Cascadia event).
- 5. **Cascadia Subduction Zone:** This is the most significant potential seismic source in the north coast region. A great subduction event may rupture along 200 kilometers or more of the coast from Cape Mendocino to British Columbia, may be up to M9.5. Paleoseismic studies along the subduction zone suggest that great earthquakes are generated along the zone every 300 to 800 years. The last large subduction earthquake occurred in 1700. A great subduction earthquake would generate long duration, very strong ground shaking throughout the Pacific Northwest.

Due to the seismically active nature of the area, there is a significant potential that strong ground shaking will occur in the future and that it may compromise slope stability. Strong ground accelerations may destabilize hillsides that are stable under static conditions and trigger new slope failures or reactivate dormant-historic landslides. Site response during strong ground motion will depend on a



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complex interaction between site-specific conditions of earth materials, topography, lithology, hydrology, earthquake wave travel path and distance to the earthquake source.

#### **Characterization of the THP Area**

The Copper Top THP area consists of one harvest unit, shown on Figure 1. To describe the THP area we will discuss the "northern half," which is the area along Old Stage Road and northeast across to the pond and northward, and then below that and southward is the "southern half." The southern half is where all the unstable areas were located and cutbanks were generally encountered; refer to Figure 2 for an overview of the THP. Figures 4, 5, and 6 show the unstable areas and cutbanks in more detail. The entire THP area will consist of single tree selection using ground-based operations for harvest. Harvest operations should implement the standard Forest Practice Rules, including WLPZ restrictions and retentions.

#### **Northern Half of THP Area**

This portion of the harvest area has gentle to moderate slopes with slope inclinations ranging from 6 to 17 percent slope (equivalent to 15:1 to 6:1 H:V). The ground beneath the lumber mill is relatively flat land. Abundant harvest activities have occurred in this area at the mill and adjacent to it. This area drains toward the incised Class II watercourse through the middle of the THP area and downslope toward the south. A rain catchment pond is located in this part of the site as well. A few Class II and III watercourses extend through the northern half of the THP and flow downslope toward the Gualala River. Skid trails, roads, landings, a pond, and the lumber mill are all located on the gentler topography in this portion of the THP area. As mentioned previously, the Class II/III watercourse that extends through the central portion of the THP has moderate side slopes, but the channel has incised down to bedrock where observed during the reconnaissance.

There were no unstable areas observed in this area; however, a cutbank along Old Stage Road was evaluated. We did note that the ground surface has been disturbed and graded from past harvest activities, refer to our aerial photographic review above for the history. There are no harvest restrictions recommended due to unstable areas in this portion of the THP area; however, we recommend a harvest restriction on the cutbank (feature CB-4) along Old Stage Road.

#### **Southern Half of THP Area**

The southern portion of the harvest area, including the disconnected southwest section, generally consists of moderate to steep slopes with slope inclinations ranging from 25 to 82 percent slope (equivalent to 4:1 to 1.2:1 H:V) with steeper cutbank slopes at the rock pit and along the road extending northeast. Multiple Class II and III watercourses extend through this area, draining downslope toward the Gualala River. Bedrock is fairly shallow in this portion of the THP and was visible on steep slopes, at the channel bottom of watercourses, in headscarps of unstable features, and in cutbanks.

All of the unstable areas encountered in this study are located within the southern half of the THP area, and on moderate to steeply sloping terrain. The ground surface has been altered on these slopes to create roads, skid trails, landings for previous timber activities, and potentially man-made incised channels perpendicular to the slope to transport logs (features observed east of the lumber mill within the THP plan).



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Slope failures mapped within this section consist of debris slides, landslides, inner gorge, debris flow/torrent tracks and debris slide slope failures. We have included previously mapped unstable areas where we confirmed their existence in the field and have added a few additional unstable areas. Refer to Figures 4, 5, and 6 for our mapping and the Tables in Appendix 2 for the inventory list of both unstable areas and cutbanks.

Harvest restrictions will be implemented on unstable areas and cutbanks in this portion of the THP.

# **Slope Stability**

This engineering geologic evaluation of the Copper Top THP incorporates geologic field mapping, review of aerial photographs and geologic maps, review of GIS and LiDAR data, review of published and unpublished landslide mapping, and review of THPs and THP reviews which overlap or are adjacent to the subject THP. The field inspections were made to select areas where unstable areas were specified by the RPF, CGS geologist, and or observed in aerial photos and/or LiDAR and GIS topographic tools. Our focused field reconnaissance included visiting previously mapped features to confirm their presence or absence and our evaluation included a more in-depth and thorough analysis than simply aerial photographic interpretations. If a previously mapped unstable area was confirmed in our study, it is included in this report. During the field reconnaissance we observed that some mapped unstable areas were mapped as landslides but were cutbanks or landings. This report and mapping supersede previous mapping relative to current mass wasting conditions within the THP area.

During our assessment (April and May 2024), we encountered nine slope failures within the plan area and two areas with multiple overlapping/intersecting slope failures (feature 1a,1b,1c and 9). All of the observed slope instability features are delineated as either debris slides, debris flow/torrent track, inner gorge failures, translational and rotational landslides, or debris slide slopes. The features are described on the landslide inventory and labeled as ID# 1 through 11 on Figures 4, 5, and 6 in Appendix 1. Note that features 1a, 1b, 1c, and 5 are technically outside of the THP area, but in such close proximity to a road and watercourse and surrounded by or adjacent to harvest areas that we have included the features in our mapping and discussion.

The debris slides were generally 1 to 5 feet deep (features 1a, 1b, 1c, 5, 7, 8, 10) and active suspended to dormant historic in terms of activity status, with two dormant historic debris slides 8 to 10 feet deep (features 3 and 11). A dormant historic debris flow/torrent track (feature 2) and active suspended inner gorge (feature 4) were two slope instabilities observed within the THP area. Additionally, there were two areas that consisted of multiple episodes of landsliding and debris slides, unstable areas 1a, 1b, 1c and 9. The features 1a, 1b, 1c consists of a larger dormant historic debris slide (1a) with small active suspended features (1b and 1c) that have occurred within the limits of the larger feature. The unstable area labeled 9 is a fairly large area that includes convergent, coalescing slope failures. Based on the definition of inner gorge (presented above) in the forest practice rules, feature 9, is considered an inner gorge slope instability. The headscarps of feature 9 when viewed in the field were very subdued occupied by straight trees, and there was no evidence of recent activity, scarps, or bare soils. The headscarps appear more apparent when reviewing LiDAR. The lateral boundaries of the feature when viewed in the field and on LiDAR are subdued and vague. The slope failures occur on a steep hillside that slopes down to Class II/III watercourses. Feature 9 appears dormant historic at the headscarp. Upslope of the access road (which is also upslope of Gualala Road), the trees within the feature are leaning and the slope may have experienced some active suspended movement, likely due to the cut excavated for



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the access road. The outline of this feature includes the outer boundary of the conglomerate of the slope failures.

The cutbanks are fairly steep and may experience small soil slumps during heavy rains where soil is undermined or unraveling rock where the cut is undermined. Bedrock and residual soil were exposed in the cuts observed. The cutbank failures did not appear to deliver sediment to watercourses. Failed cutbank debris is expected not to exceed 5 cubic yards, but generally less than 1 cubic yard, at any location. If a failure does occur, the material could easily be removed. The cutbank failures are generally considered a maintenance issue with a low potential for impacts related to sediment delivery.

Bedrock was observed to be fairly shallow within the THP, especially on the moderate to steep slopes. Rock was observed in channels, headscarps of unstable areas, and in cutbanks throughout the THP.

Details of the observed features (unstable areas and cutbanks) are described in the Tables in Appendix 2. Unstable areas outside the limits of the harvest boundaries (excluding features 1a, 1b, 1c) were not inspected.

#### **Landslide Mitigation**

A primary strategy of reducing mass wasting during forest management operations is to apply the California Forest Practice Rules, including designating WLPZ along watercourses, and evaluating the potential for sediment delivery in unstable areas. In addition to the application of WLPZ per State Forest Practice Rules, harvest restrictions are prescribed for other features and cutbanks to limit the potential for sediment delivery to watercourses. Additionally, harvest restrictions include protections related to public safety and public road accessibility. Detailed recommendations for harvest restrictions are discussed below in the "Recommendations" section. Mass-wasting features that are mapped but beyond the limits of the timber harvest plan are neglected from the recommendations below.

#### **Public Safety**

The THP is located near a residential subdivision, Old Stage Road (county road with public access), Gualala Road (county road with public access) and a campground, with the GRT office and other residences located within the limits of the THP boundary. The THP is primarily located downslope of Old Stage Road, except for a small area in the southwest corner. There was one cutbank noted and no unstable areas along Old Stage Road. The THP area is only adjacent to Gualala Road for a short length of road and the unstable areas and cutbanks that are adjacent to the road have harvest restrictions, retention standards, and WLPZ no cut areas. In our opinion, the recommended harvest restrictions and general location of the THP a distance north and upslope of Gualala Road are adequate for keeping the public safe during travel on Gualala Road during harvest operations.

Based on the gentle slopes near the residences and subdivision, the risk of impacts on neighboring properties is considered low.

There is no setback for the GRT office; we understand the owner would like to thin the trees surrounding the building. It is in the best interest of the owner to maintain their office; thus, no restrictions are requested by SHN.



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#### Recommendations

Proposed harvest restrictions for the Cooper Top THP are presented below. Refer to the detailed figures in Appendix 1 for the slope features discussed below.

#### **Timber Harvest Restrictions**

Based on the information provided to us by the project forester and our review of site conditions, we recommend the following proposed harvest restrictions be implemented to reduce sediment delivery potential and reduce future erosion potential within the THP. The restrictions below are in addition to the standard forestry practice guidelines for harvest in WLPZ and CCCSTA areas, which will be applied for harvest operations.

- The inner gorge feature 4, which is within the channel and has delivered sediment and has potential to do so in the future, should be designated as no-cut. The application of no-cut zones to inner gorge areas is intended to provide additional mitigation in areas of elevated sediment delivery potential. We recommend a 25-foot, no-cut buffer around the feature. In addition, we do not recommend cable yarding corridors through this feature.
- The debris slide, feature 7, should be considered a no-cut due to the activity status of the feature and proximity to the Gualala Road.
- Feature 9 is an inner gorge feature consisting of multiple coalescing landslides, debris slides, and debris slide slopes. The upper limits of this feature were not experiencing movement and had an abundance of straight trees; thus, we recommend a minimum of 100 square feet of basal area be retained within the upper 125 feet of the mapped feature. The 100-square-foot basal retention applies for a buffer of 25 feet beyond the upper limits of the feature. The areas below 125 feet from the upper boundary of the feature are considered no-cut.
- Features 6 and 8 may be harvested if a minimum of 100 square feet of basal area is retained and a 25-foot buffer is applied, in addition, to a no-cut within 100 feet of Gualala Road (upslope side of Gualala Road).
- The cutbanks are primarily located along timber roads within the THP and a small section of
  public roads and have potential to affect public safety if steepened or disturbed too drastically;
  thus, we recommend the cutbanks retain a minimum of 100 square feet of basal area during
  harvest operations. We have identified eight cutbanks, see Figures 4, 5, and 6. We recommend a
  25-foot buffer around cutbank CB-3.
- The following select unstable areas, features 2, 3, 10, and 11 and areas within a buffer of 25 feet may be harvested if a minimum of 100 square feet of basal area is retained.
- The portions of unstable areas and cutbanks that are located within WLPZ should be considered no-cut.
- For public safety measures, we recommend a setback buffer of 50 feet from residential structures.

Harvest operations will consist of single tree selection and will include ground-based logging tactics. A buffer of 25 feet will be applied to all unstable features and specified cutbanks. Unstable areas and cutbanks will be flagged prior to harvest entries, and harvest of trees on unstable areas and cutbanks will be individually marked by the project forester. Unstable areas and cutbanks will be designated as Equipment Exclusion Zones, except if accessing the area via approved roads or skid trails.



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#### **Road and Skid Trail Recommendations**

The THP involves reopening of abandoned skid trails and roads. Existing roads and skid trails that will be reopened generally only need to be maintained with vegetation removal and maintenance. If soil is moved during the re-opening of roads, the material should not be placed as sidecast fill; soils should be hauled to a stable storage area.

There was a 4-foot-diameter culvert along the Class II/III watercourse downstream of feature 1B on the inboard side of the landing and road. During our reconnaissance, it appeared that the flows on the watercourse overtopped the culvert during the last winter season and flowed onto the landing and likely off the edge of the landing to the watercourse. This event would have delivered sediment from the landing to the watercourse. We recommend performing a hydrologic analysis of the upslope watershed to evaluate the size of the culvert at this location to verify the culvert diameter is adequate. In our opinion, it appears as though the culvert inlet is placed too close to the rock face at this location and that pulling the culvert away from the inboard side would allow for more water to collect prior to draining through the culvert and would limit clogging of the culvert if rock falls collect at the base of the rock face in front of the culvert. This would require digging out the culvert to relocate it farther south by 1 to 3 feet. In addition, maintaining the culvert to ensure it remains clear of debris and free flowing after storms is recommended.

## **Conclusions**

Geologic assessments addressing landslide hazards and risks were conducted for the proposed harvest operations in the Copper Top THP by a State Licensed Certified Engineering Geologist (CEG). The purpose of geologic input for this THP evaluation is/was to assess the proposed harvest area with respect to sediment delivery to watercourses as a result of landsliding.

The logging operations presented in the proposed Copper Top THP have a low probability of accelerating the contribution of landslide-derived sediment downslope to bodies of water and a low risk of affecting public facilities if our recommendations are implemented as stated. No-cut or reduced harvest levels will be implemented on slopes posing a hazard to aquatic or public resources and noted unstable slopes. The restrictive practices proposed on unstable slopes will result in the retention of a variably thick assemblage of timber and shrubs following the completion of operations. Timber remaining will continue to provide canopy coverage, root strength, transpiration, and interception mechanisms. Applying our recommendations presented here in addition to the State Forest Practice Rules during harvest will locally decrease canopy coverage and root strength; however, in our opinion, the overall reduction will be minor and is expected to have a low probability of increasing landslide rates and sediment delivery to watercourses.

Although harvest restriction methods are proposed for unstable areas and cutbanks, future failures cannot be prevented from occurring on these slopes. For example, inner gorge slopes are inherently prone to mass-wasting events and sensitive to high intensity rain events; therefore, it is reasonable to assume that the dynamic hill slope process affiliated with these geomorphic features will continue regardless of whether management activities occur or not. It has been demonstrated that unseasonably high intensity and long-duration rainfall events or large magnitude earthquakes can trigger landslides in these types of geologic environments, whether the ground is forested or not. Consequently, restricting logging operations on these slopes does not preclude ground movement from occurring.



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Standard of practice and best professional judgement were used to assess the present and future slope stability risks to assist the RPF in developing the Copper Top harvest plan to ensure it does not increase risk to the resources present in the Big Pepperwood Creek and Gualala River watersheds.

#### Limitations

The analyses, conclusions, and recommendations contained in this report are based on site conditions that we observed at the time of our investigation, our current understanding of proposed project, and our experience with similar projects in similar geologic environments. We have assumed that the information obtained from our limited observations is representative of conditions throughout each of the harvest units. If differing conditions are encountered during operations, our department should be notified immediately so that we can reevaluate the applicability of our conclusions and recommendations. Such an evaluation may result in reconsidered and/or amended recommendations. If proposed harvest unit locations and intended uses change from those described in this report, our recommendations should also be reviewed.

In addition, because the project area is located in a dynamic environment that is subject to large scale, catastrophic events (great earthquakes, large storms, etc.), we cannot preclude changes that may occur in the future that could alter site conditions. Consequently, we reserve the right to make such adjustments to our report that may be required by passage of time, change in condition, or in the consideration of additional or more pertinent data that may become available in the future.

Figures contained within this report are for illustrative proposes only and the location of the landslides and their dimensions are approximate. Any differences that may be noted in dimensions, locations, etc., are not likely to affect the conclusions contained within this report significantly.

SHN has prepared this report for exclusive use on this project in substantial accordance with the generally accepted practice as it exists in the site area at the time of our study, including time and budget constraints. No warranty is expressed or implied.

Lastly, this report applies only to the sites described above. Because of the high degree of variability in geology in this region, it is not possible to extrapolate the results described herein to any other site. This report is to be considered in its entirety. No part, section, paragraph, sentence, or phrase is to be quoted, evaluated, or otherwise used without considering its context and relationship to the entire report.

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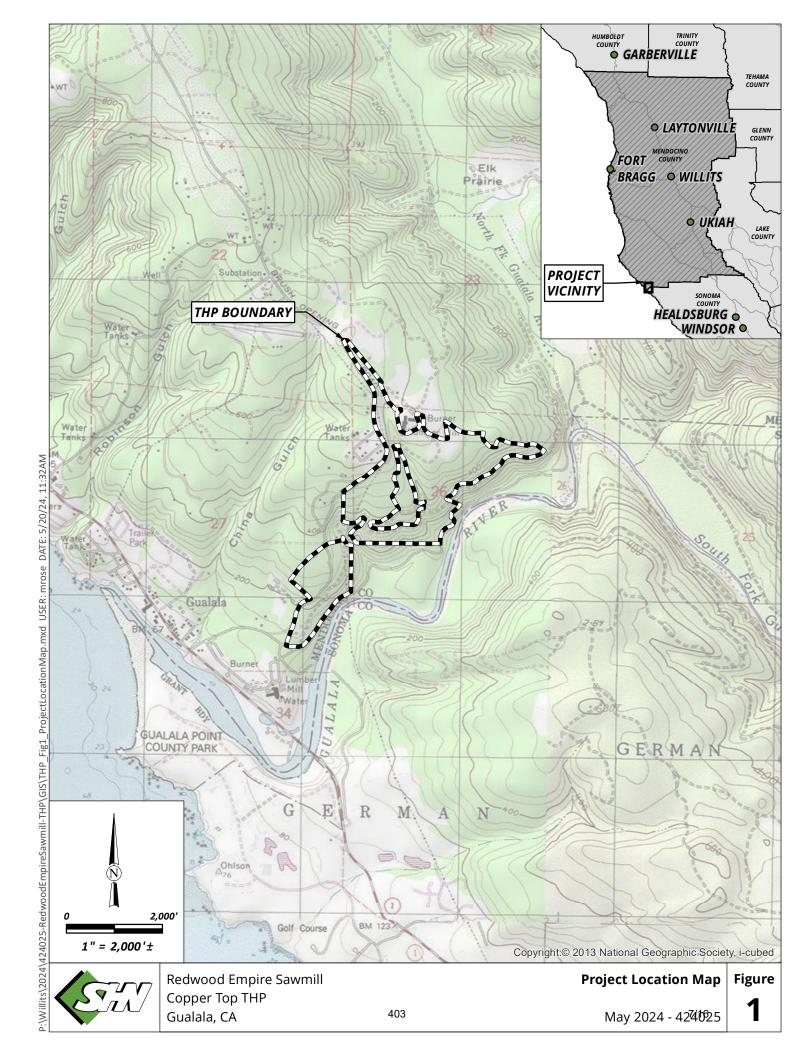


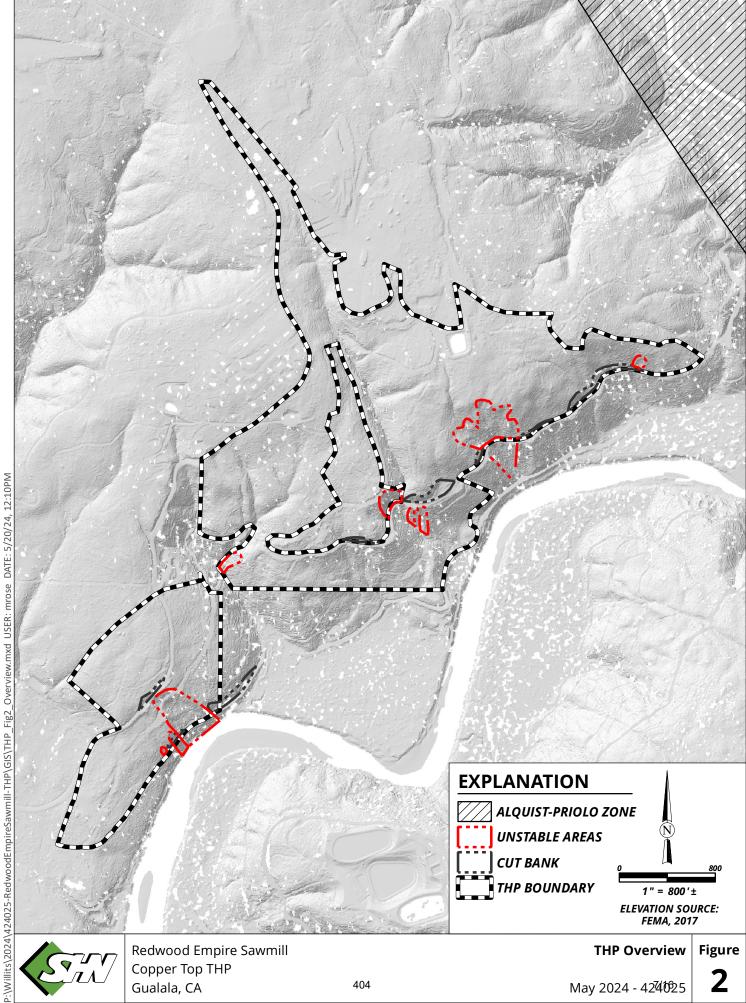
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Copper Top THP Gualala, CA

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May 2024 - 424625

Tg German Rancho Formation

Gualala Formation, Anchor Bay member Ka

Base Map Modified from: Fuller and others (2002)

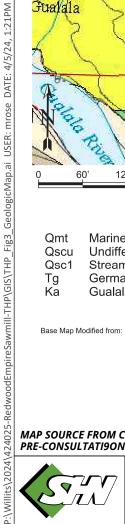
Debris Flow/Torrent Track

Debris Slide Amphitheater/ Slope

Strike and dip of bedding

Shaded area represents estimated limits of proposed harvest area.

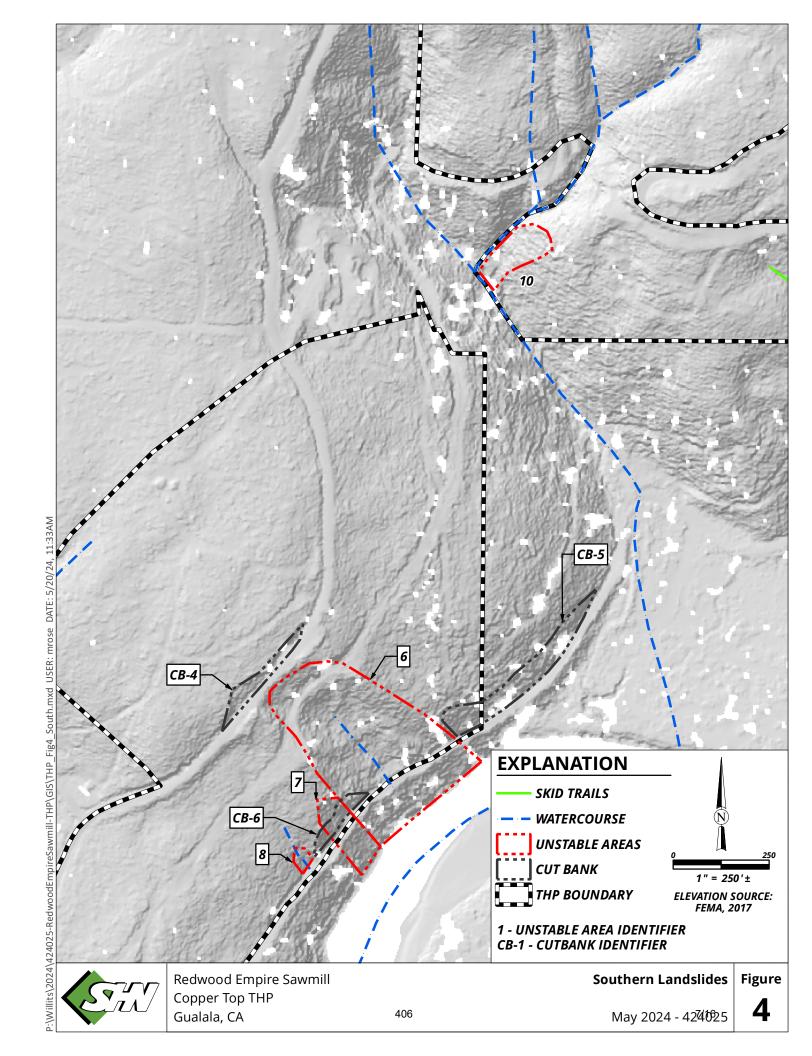
MAP SOURCE FROM CGS PRE-CONSULTATIOON FOR THP

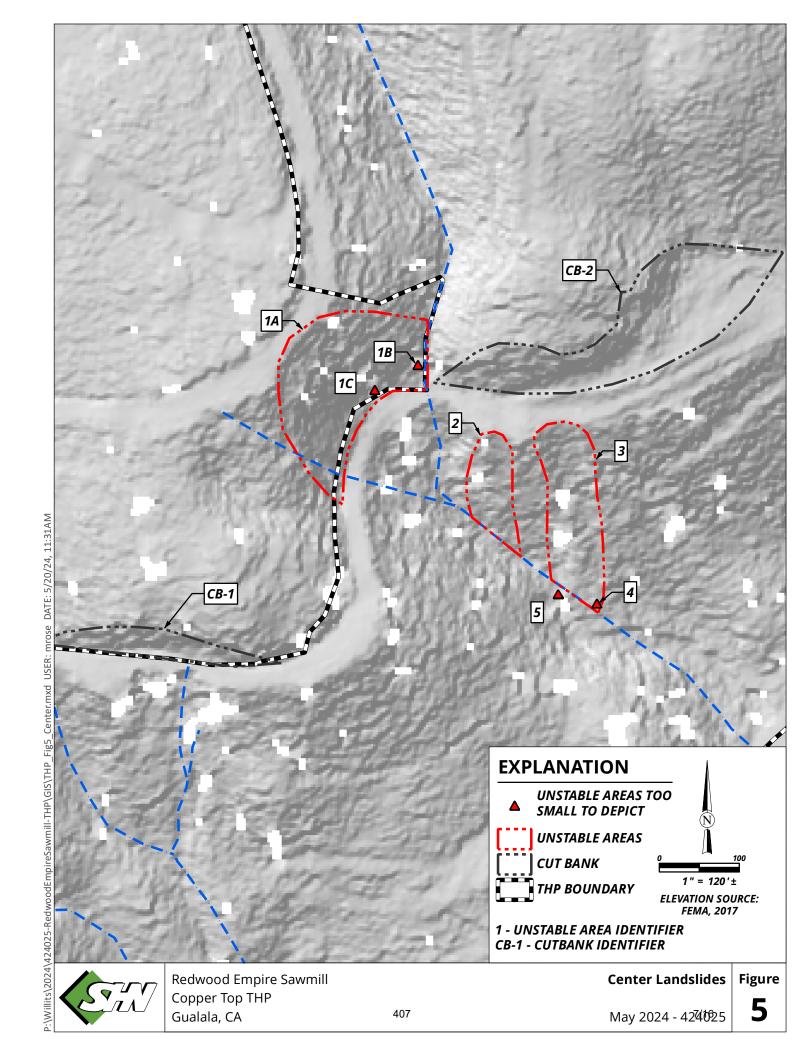


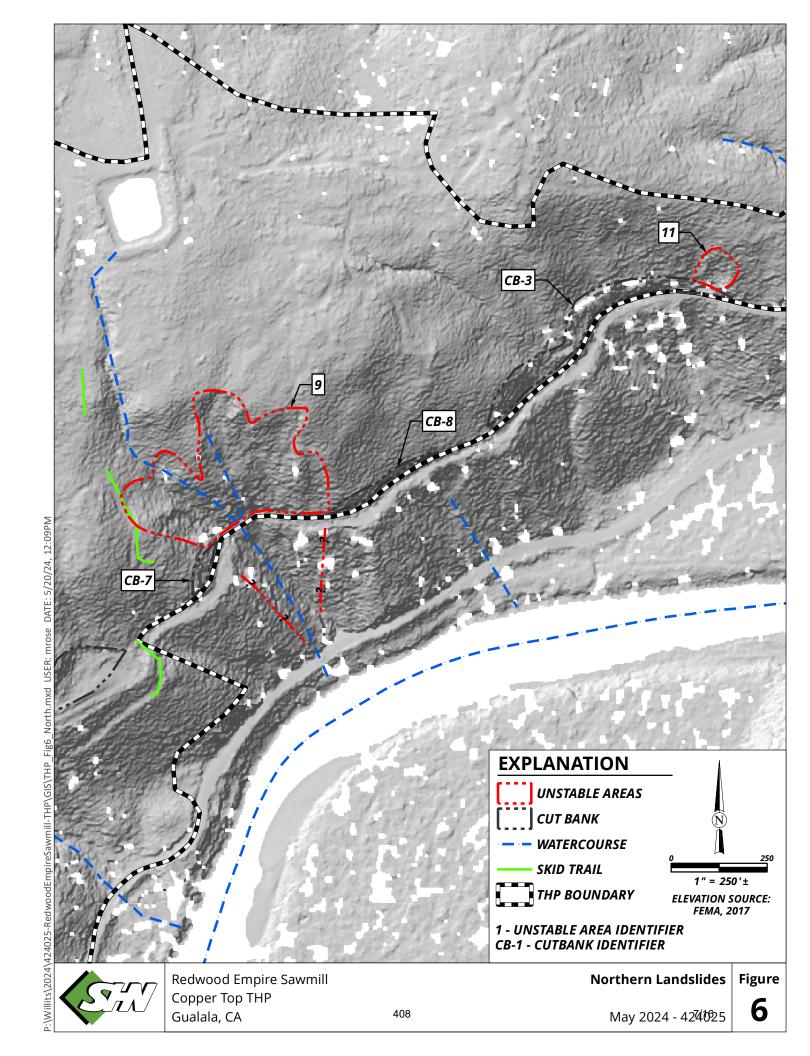
Redwood Empire Sawmill Copper Top THP Gualala, CA

**Geologic Map** Fuller et. al, 2002 May 2024 - 424625

**Figure** 







# Copper Top THP Landslide and Cutbank Tables and Key

### Landslide Table Key

### For use with THP Landslide Inventory Table

### Failure Mode

| DS   | Debris landslide | A debris landslide is characterized by unconsolidated rock, colluvium, and soil that has moved downslope along a relatively shallow translational failure plane. Debris slides may form steep, |
|------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                  | unvegetated scars in the head regions and irregular, hummocky deposits in the toe region.                                                                                                      |
| DFTT | Debris           | Debris flow/torrent tracks often begin as saturated debris slides and are characterized by long stretches                                                                                      |
|      | flow/Torrent     | of bare, generally unstable stream channel banks that have been scoured and eroded by the extremely                                                                                            |
|      | track            | rapid movement of water-laden debris. Generally shallow, rapid translational slides that commonly initiate on steep slopes.                                                                    |
| TR   | Translational/   | Characterized by somewhat cohesive slide mass and failure plane that is relatively deep when compared                                                                                          |
|      | Rotational slide | to that of a debris slide of similar area extent. The sense of motion is linear (translational) or arcuate                                                                                     |
|      |                  | (rotational). Can be relatively small (few square yards) to very large (hundreds of acres).                                                                                                    |
| EF   | Earthflow        | Movement along failure surfaces that are short lived, generally closely spaced, and many times not                                                                                             |
|      |                  | preserved. The slide mass is not preserved as an intact, cohesive unit but instead falls apart and                                                                                             |
|      |                  | becomes a mix of soil and rock debris. The mass moves or flows as a semi-viscous, plastic-state,                                                                                               |
|      |                  | saturated material. Earthflows can vary in size from small shallow failures to very large, deep-seated                                                                                         |
|      |                  | slides that involve entire hillsides. Frequently exhibit a long lobe-like morphology.                                                                                                          |
| LS   | Landslide        | Possess features or styles of movement suggestive of two or more types of sliding. The upper portion of                                                                                        |
|      |                  | the landslide appears to be behaving as a rotational or translational slide but then, as movement                                                                                              |
|      |                  | continues, the toe (or lower portions of the failure) disintegrates into a failure more appropriately                                                                                          |
|      |                  | characterized as an earthflow. Can be quite variable in size, up to hundreds of acres, and generally are                                                                                       |
|      |                  | deep seated. This designation should also include cutbank, cut slope and fill slope failures as well as                                                                                        |
|      |                  | rock fall and rock topple modes. See descriptions of different landslide types below.                                                                                                          |
|      |                  | RF – Rock fall = slopes failures characterized by sudden catastrophic failure of relatively steep rock                                                                                         |
|      |                  | slopes. The failure mass descends mostly through the air and/or along a very steep surface with little or                                                                                      |
|      |                  | no shearing. They can be quite variable in size. Generally, rock debris accumulates at the toe of the                                                                                          |
|      |                  | slope, where it can be removed by other processes (i.e. stream erosion).                                                                                                                       |
|      |                  |                                                                                                                                                                                                |

| LS<br>(continued) | Landslide             | RT – Rock topple = forward rotation of blocks of earth, debris or rock. The debris accumulates at the base of the slope and can be removed by other processes.                                                                                                                        |
|-------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |                       | TS – Talus slope = rock fragments of any size or shape (usually coarse and angular) derived from and lying at the base of a cliff or very steep, rocky slope.                                                                                                                         |
| DSS               | Debris Slide<br>Slope | Slopes sculpted by numerous debris slide events.                                                                                                                                                                                                                                      |
| IG                | Inner Gorge           | A geomorphic feature formed by coalescing scars originating from landsliding and erosional processes caused by active stream erosion.                                                                                                                                                 |
| DG                | Disturbed<br>Ground   | An area heavily modified by ground-based logging. Usually low gradient slopes with evidence of steam powered cable yarding (long, linear furrows; saw-cut woody debris; old cables and tall-holds) or earthwork from bulldozers (mounds of debris, cut slopes, skid trails, layouts). |

### Landslide Activity Status Key

| Activity State                               | Main Scarp               | Lateral Flanks                                                         | Internal Morphology                                                                                          | Vegetation                                                                                         | Toe Relationships                                                                                     | Additional<br>Notes                                                          |
|----------------------------------------------|--------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Active,<br>Suspended, or<br>dormant historic | Sharp;<br>unvegetated    | Sharp;<br>unvegetated<br>streams at edge                               | Undrained depressions;<br>hummocky topography;<br>angular blocks<br>separated by scarps                      | Absent or sparse on lateral and internal scarps; trees tilted and/or bent; disrupted vegetation    | Main valley stream<br>pushed by landslide;<br>floodplain covered<br>by debris; lake may<br>be present | Fresh cracks,<br>water ponding<br>in depressions<br>of rotation<br>features. |
| A, AS, DH<br>A – Active                      | Landelidae tha           | t are currently mayir                                                  | a includes first time move                                                                                   |                                                                                                    | '                                                                                                     |                                                                              |
| AS - Suspended                               |                          | t are not currently m                                                  | ng, includes first time move<br>loving but have moved with                                                   |                                                                                                    | seasons                                                                                               |                                                                              |
| Dormant – young<br>DY                        | Sharp; partly vegetated. | Sharp; partly<br>vegetated; small<br>tributaries to<br>lateral streams | Undrained and drained depressions; hummocky topography; internal cracks vegetated; cracks in mass are absent | Younger or different<br>type or density than<br>adjacent terrain; older<br>tree trunks may be bent | Same as for active<br>class but toe may be<br>modified by modern<br>stream                            | No record of<br>historic<br>movement,<br>Movement 100-<br>5,000 years old.   |
| Dormant –                                    | Smooth;                  | Tributaries                                                            | Smooth, rolling                                                                                              | Different type or                                                                                  | Terraces covered by                                                                                   | Toe area                                                                     |
| mature                                       | rounded,<br>vegetated    | extend onto body<br>of slide                                           | topography; disturbed internal drainage                                                                      | density than adjacent terrain but same age.                                                        | slide debris; modern<br>stream not                                                                    | experienced erosion: new                                                     |
| DM                                           |                          |                                                                        | network                                                                                                      | Vegetation may obscure hummocks.                                                                   | constricted but<br>wider upstream<br>floodplain                                                       | drainages established within slide. Movement 5,000 to 10,000 years old.      |
| Dormant – old or<br>relict                   | Dissected;<br>vegetated  | Vague lateral<br>margins; no<br>lateral drainage                       | Smooth, undulating topography; normal stream pattern                                                         | Same age, type, and density as adjacent terrain                                                    | Terraces cut into slide debris; uniform modern floodplain                                             | Gullies and canyons cut into mass;                                           |
| DO                                           |                          |                                                                        |                                                                                                              |                                                                                                    |                                                                                                       | depressions<br>filled.<br>Movement<br>older than<br>10,000 years.            |

### Geomorphic Association at feature initiation point

| SS  | Streamside          |
|-----|---------------------|
| SW  | Swale Channel       |
| ST  | Stream Channel      |
| PL  | Planar              |
| RRF | Road Fill           |
| RLF | Landing Fill        |
| RCB | Cutbank             |
| IGS | Inner Gorge Slope   |
| SK  | Skid Trail Location |

### Road Type

| PH | Primary Haul Road     |
|----|-----------------------|
| SA | Secondary Access Road |
| AS | Abandoned Skid Trail  |

### Stream Class

| 1 | Fish bearing at some time of the year                                             |
|---|-----------------------------------------------------------------------------------|
| П | Insect and/or amphibian habitat at some time of the year; fish present seasonally |
| Ш | Moves sediment but does not provide habitat for insects or amphibians             |

# **Table of Unstable Areas in Copper Top THP with Prescriptions**

| LANDSLIIDE<br>LABEL | FAILURE<br>MODE | ACTVITY<br>STATUS | SEDIMENT<br>DELIVERY | STREAM<br>CLASS | GEO<br>ASSOCIATION | ROAD TYPE & ADDITIONAL NOTES                                                                                                                                                                                                                                                                        | RX RECOMMENDATION                                                                      |
|---------------------|-----------------|-------------------|----------------------|-----------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>1</b> a          | DS              | DH                | Υ                    | 11/111          | וע                 | Straight and leaning trees, ~3' headscarp, subdued but hollowed, edge of road, 100% slope                                                                                                                                                                                                           | Outside of THP, above skid trail                                                       |
| 1b                  | DS              | AS                | Υ                    | II              | SS                 | Along creek, 20' high, 25' wide, rock exposed in headscarp, 1-2' thick                                                                                                                                                                                                                              | Outside of THP, along creek                                                            |
| 1c                  | DS              | AS                | N                    | -               | RCR                | Above skid trail, ~150' high/wide, pampas grass, 1-2' thick, 100-140% slope                                                                                                                                                                                                                         | Outside of THP, above skid trail                                                       |
| 2                   | DFTT            | DH                | Υ                    | II              | RLE/PL/SS          | Below landing to creek, 1-2' thick, hollowed, young trees growing within slide                                                                                                                                                                                                                      | 100 sq-ft basal retention and<br>No Cut in WLPZs                                       |
| 3                   | DS              | DH                | Υ                    | II              | RLF/PL/SS          | Below landing to creek, 8-10' thick, hollowed, subdued side scarps, straight trees growing                                                                                                                                                                                                          | 100 sq-ft basal retention and<br>No Cut in WLPZs                                       |
| 4                   | IG              | AS                | Υ                    | II              | IGS                | 5' high, 20' wide, along creek, within feature 3                                                                                                                                                                                                                                                    | No Cut                                                                                 |
| 5                   | DS              | AS                | Υ                    | П               | SS/IG              | 20-25' high, 30' wide, 2-3' thick, rock exposed in headscarp                                                                                                                                                                                                                                        | Outside of THP                                                                         |
| 6                   | LS              | AS/DH             | Y                    | I               | PL/ST/RRF          | 5' thick, DH at headscarp, no bare soils, feature extends above skid trail to fill along downslope edge of fill. AS/DH at Guala Road where leaning trees are abundant, some active erosion along road due to cut made for road and for maintenance. No recent movement below road (outside of THP). | 100 sq-ft basal retention, No<br>Cut in WLPZs, NO Cut within<br>100 ft of Gualala Road |
| 7                   | DS              | A/AS              | Υ                    | ı               | PL/RCB             | 60' wide, 40' tall above road, 5' thick, rock exposed in headscarp, pampas grass, cutbank along base.                                                                                                                                                                                               | No Cut                                                                                 |
| 8                   | DS              | DH                | N                    | -               | RCB                | Extends above cutbank, 20' wide, 70' high, 3' deep, surrounds watercourse, pampas grass.                                                                                                                                                                                                            | 100 sq-ft basal retention, No<br>Cut in WLPZs, NO Cut within<br>100 ft of Gualala Road |

# **Table of Unstable Areas in Copper Top THP with Prescriptions**

| LANDSLIIDE<br>LABEL | FAILURE<br>MODE   | ACTVITY<br>STATUS | SEDIMENT<br>DELIVERY | STREAM<br>CLASS | GEO<br>ASSOCIATION | ROAD TYPE & ADDITIONAL NOTES                                       | RX RECOMMENDATION                                                                                       |
|---------------------|-------------------|-------------------|----------------------|-----------------|--------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 9                   | LS/DS/Dss<br>= IG | DH                | Y                    | 1/11            | PL/ST              | IFeatures 5-8' thick straight redwood trees present. Steep slope   | 100-sq-ft basal retention in<br>upper 125 feet of feature,<br>No Cut below 125 feet, No<br>Cut in WLPZs |
| 10                  | DS                | DH                | Υ                    | II              | PL/ST              | 12-3' thick, crooked frees, minimal frees, subdued shape           | 100 sq-ft basal retention and No Cut in WLPZs                                                           |
| 11                  | DS                | DH                | N                    | -               | RCB                | IFast edge of cuthank extends unslone straight trees no hare soils | 100 sq-ft basal retention and<br>No Cut in WLPZs                                                        |

# **Table of Cutbanks in Copper Top THP with Prescriptions**

| LANDSLIIDE<br>LABEL | SEDIMENT<br>DELIVERY | STREAM<br>CLASS | GEO<br>ASSOCIATION | ROAD TYPE & ADDITIONAL NOTES                                                                 | RX RECOMMENDATION                                                |
|---------------------|----------------------|-----------------|--------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| CB-1                | N                    | -               | SK/RCB             | Rock (sandstone and claystone) interbeds in cut, 35' high                                    | Outside of THP                                                   |
| CB-2                | N                    | -               | PL/SK/RCB          | Rock (sandstone) exposed, quarry pit, 30' high, no trees                                     | 100 sq-ft basal retention and No<br>Cut in WLPZs                 |
| CB-3                | N                    | -               | PL/RCB             | Along road, 5' up to 30-40' high, no recent movement                                         | 100 sq-ft basal retention and No<br>Cut in WLPZs, 25 foot buffer |
| CB-4                | N                    | -               | RCB                | Along road, 13' high, few trees, minimal trees                                               | 100 sq-ft basal retention and No<br>Cut in WLPZs                 |
| CB-5                | N                    | 1               | RCB                | Along road, leaning trees, native soil exposed, few trees                                    | 100 sq-ft basal retention and No<br>Cut in WLPZs                 |
| CB-6                | Ν                    | -               | RCB                | Along road, leaning trees, native soil exposed, extends through unstable features, few trees | 100 sq-ft basal retention and No<br>Cut in WLPZs                 |
| CB-7                | N                    | -               | RCB                | Few straight small trees, along road                                                         | 100 sq-ft basal retention and No<br>Cut in WLPZs                 |
| CB-8                | N                    | -               | RCB                | Along road                                                                                   | 100 sq-ft basal retention and No<br>Cut in WLPZs                 |

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### MEMORANDUM

DATE: February 22, 2024

To: Mark Pugsley, RPF

Redwood Empire

PO Box 156

Cloverdale, CA 95425

FROM: Patrick Brand

Department of Conservation California Geological Survey

135 Ridgway Avenue

Santa Rosa, California 95401

**SUBJECT**: Focused Engineering Geologic Pre-Consultation for Copper Top Timber Harvesting Plan, Gualala River watershed, Mendocino County, California

### Background and Purpose:

Per your January 6, 2024 email request, CGS is please to have been invited to review the proposed Copper Top Timber Harvest Plan (THP) that you are preparing. We inspected portions of the proposed THP area on February 6, 2024.

The THP area is in the Big Pepperwood Creek Planning Watershed (1113.850201) within the Gualala River watershed in Mendocino County. The area reviewed is located in Sections 22, 23, 26, and 27 of T11N, R15W (MDBL&M) on the Gualala 7.5-minute quadrangle. Two public roads are located within or adjacent to the proposed THP area: Old Stage Road passes through a portion of the plan area and marks portions of the upslope boundary of the THP, while Gualala Road is located downslope of the entire THP area and marks portions of the downslope boundary of the THP. The Gualala Redwood Timber (timberland owner) office is located within the proposed THP area, and the Gualala Arts Center and numerous residential and non-residential structures are located adjacent to the proposed plan area.

The purpose of this review is to assist in identifying geologic issues that should be included and addressed in the THP. Specifically, we reviewed draft THP Operations Maps and a draft RPF discussion of unstable areas provided via email on January 22, 2024 to assess the mapping of unstable areas and the proposed operations at these unstable areas. Our inspection was limited in scope and did not include the entire THP area. It is not the intent of this letter to disclose or review proposed operations on all on-site unstable, landslide, and/or erosion areas.

### Geologic Conditions:

The proposed THP is located in an area underlain by Tertiary German Rancho Formation and Cretaceous Gualala Formation Anchor Bay member bedrock that is locally mantled with Quaternary marine terrace deposits (Blake and others, 2002; Fuller and others, 2002; Figure 1). German Rancho Formation is described as massive marine sandstone, conglomerate, and interbeds of sandstone and mudstone; while the Gualala Formation Anchor Bay member is described as interbeds of marine sandstone and mudstone interspersed with massive sandstone and conglomerate. The marine terrace deposits are described as clast supported deposits of relatively uniform grain size overlying wave-cut benches (Fuller and others, 2002). Bedrock observed during our site visit area generally consisted of yellow brown sandstone that appeared to be consistent with descriptions of the German Rancho Formation. Outcrops of Gualala Formation Anchor Bay Member were not observed during our limited inspection. As well, outcrops of marine terrace deposits were not observed during the inspection, but we noted areas characterized by white to brownish yellow sandy loam soils exposed along existing road surfaces that we interpreted to be derived from marine terrace deposits.

The THP is located as close as about ¼-mile west of the San Andreas Fault Zone (SAFZ), which consists of a relatively wide, active fault zone that trends along the South Fork Gualala River and North Fork Gualala River valleys in the THP area, and several associated fault splays are mapped extending through the THP area (Fuller and others, 2002; Blake and others, 2002; Koehler and others, 2005; Figure 1). Regional tectonic activity has regionally deformed the bedrock within the plan area, and accordingly, Blake and others (2002) show varying bedding orientations across the THP site, ranging from 10- to 60-degree dips to the northeast to 25 degrees to the southwest.

### Observations and Discussion:

- 1). Published Landslide mapping. Fuller and others (2002; Figure 1) identify one relatively large, dormant rockslide, several historically active debris slides, several small landslides (too small to delineate at 1:24,000 scale), and areas of debris slide slopes in the vicinity of the proposed THP area. This includes mapped landslides adjacent to the proposed THP boundaries and/or apparent appurtenant roads shown on the draft THP maps (Figures 2 and 3) that are potentially in a position where the proposed operations may adversely impact slope stability within the unstable features. The provided draft discussion describes that CGS landslide maps were reviewed, and that a supplemental figure will be included in the THP, though reference to the specific landslide maps reviewed and the supplemental figure were not included in the draft information.
- 2). Background Geologic Information. The provided draft discussion does not include, reference, or discuss unpublished (but publicly available) landslide mapping that may have been reviewed during THP preparation. This includes unstable areas disclosed in past overlapping/adjacent THP's, including THP's 1-08-086 MEN, 1-05-023 MEN, 1-99-560 MEN, and 1-90-652 MEN. As well, this includes maps and tables of unstable areas compiled by the former landowner, Gualala Redwoods Inc. (GRI), compiled from aerial photo analysis by Tim Best, CEG and field observation by foresters (GRI, 2004). Our review of these documents shows that there are identified unstable areas within and

adjacent to the proposed THP area that are potentially in a position where the proposed operations may adversely impact slope stability within the unstable features.

We discussed that this relevant geologic information should be included, referenced, and/or discussed in the proposed THP in order to provide complete and accurate information to the review team, and so that the review team can know that the RPF utilized this information during plan preparation and can assess the proposed operations at previously mapped unstable areas.

3). Mapped Unstable Areas: The provided draft THP maps and discussion identify three unstable areas within the proposed THP boundary (Figures 2 and 3) and describe that each unstable areas will have a 25-foot Equipment Exclusion Zone and no cut buffer around the feature. During the inspection, we reviewed Unstable Areas 1 and 2. We noted that the flagging of the mapped unstable area was not clear in some locations, and that the flagging was generally hung at the scarp rather than with a 25-foot buffer from the margin of the unstable area. We also noted that both Unstable Areas 1 and 2 are larger than shown on the THP maps. We did not observe Unstable Area 3 during our site visit.

The mapped unstable areas do not appear to correspond to landslides shown by Fuller and others (2002; Figure 1). The draft unstable areas discussion reports that "the RPF did not observe any obvious indicators of potential slope instability associated with the features that appear on the CGS maps" (Fuller and others, 2002; Figure 1) and that no protection measures are proposed for these features. During our inspection, we observed unstable areas consisting of dormant-historic shallow-seated debris slides at several of the locations shown by Fuller and others (2002) and our review of LiDAR derived hillshade imagery suggests the presence of landslides at other locations where Fuller and others (2002) show landslides (Figure 4). We also reviewed the GRI unstable area database and past THP's and noted that there are unstable areas depicted in the THP vicinity in these documents that are not identified in the provided draft documents. During the inspection, we confirmed the presence of several of these unstable areas depicted in the previous THP's and the GRI unstable areas database, generally consisting of shallow seated debris slides and/or road-related failures.

The THP proposes ground-based selection (single-tree selection or Coastal Commission Special Treatment Area) harvesting on or near these unmapped unstable areas. Based on our observation, these unmapped unstable areas are in a location where the proposed operations could result in adverse impacts to slope stability, including potential impacts to public safety (e.g. Gualala Road located downslope).

Due to the number of apparent unstable areas discussed above that are not identified in the proposed THP, evaluation of the proposed harvesting operations and the development of mitigation measures designed to minimize adverse impacts to slope stability within and upslope of unstable features by a California licensed Professional Geologist will minimize the potential for adverse impacts to slope stability that could result in impacts to public safety and sediment delivery to watercourses. We discussed that either a licensed Professional Geologist should be consulted to evaluate the

proposed operations at unstable areas, or that that the THP should be redesigned such that operations will be avoided at unstable areas.

4). Inner Gorge Geomorphology. During our review of unpublished geologic data described above (Observation #2), we noted several instances where the GRI landslide database (GRI, 2004) records landslides within and downslope of the THP boundary where the noted "slope type" is inner gorge. The database reports that these observations were entered into the GRI database by Tim Best, CEG.

Kelsey (1988) describes inner gorge as a physiographic feature where slopes that are adjacent to the stream channel are steeper (part of the inner gorge) than those further upslope, with a recognizable break in slope separating the steep inner gorge slopes from the upper, less steep valley slopes. Kelsey (1988) describes that inner gorge formation evolves in drainage basins with relatively competent, homogenous rock types that are undergoing persistent base level lowering (most likely through tectonic uplift), and that mass slope failures (debris slides) are the primary sculpting mechanism of the inner gorge. This process occurs over a time frame of tens to hundreds of thousands of years and can be temporally and physically intermittent depending on controlling factors.

California Geological Survey Note 50 (CGS, 2013) defines inner gorge as a geomorphic feature that consists of the area of the stream bank situated immediately adjacent to the stream channel, having a side slope of generally over 65 percent, and being situated below the first break in slope above the stream channel. They are formed by coalescing scars originating from landsliding and erosional processes caused by active stream erosion.

During our review, we observed that the Gualala River and tributaries in the THP vicinity are incised into the gently to moderately sloping landscape that Fuller and others (2002; Figure 1) and Blake and others (2002) interpret as an uplifted marine terrace platform. During our review we noted steep to very steep slopes descending to the Gualala River and tributary watercourses below a relatively well-defined break in slope at several locations within the proposed THP vicinity, though past construction of roads at or near this break in slope has somewhat obscured the location in places. The published and unpublished geologic information discussed under Observations #1 and #2 show a number of unstable areas along these slopes, and Lidar derived hillshade imagery shows morphology consistent with past debris sliding, as well as the presence of several debris fan type deposits at the toe of the slope that appear to be related to past landsliding. Field observation generally confirmed the presence of many of these unmapped unstable areas, and outside of these unstable areas, we also frequently noted the presence of vegetated bowl-shaped head scarps at or near the break in slope and spoon-/teardrop-shaped depressions/hollows extending downslope that appear to be indicative of former debris slide activity. These observations are consistent with the conditions for inner gorge morphology described by Kelsey (1988) and the definition of inner gorge geomorphology from CGS Note 50 (CGS, 2013) and the Forest Practice Rules. Based on our observations, we conclude that portions of the THP area have morphology consistent with inner gorge geomorphology (Figure 4).

The THP proposes ground-based selection (single-tree selection or Coastal Commission Special Treatment Area) harvesting in these areas. We discussed our observations and

that the Forest Practice Rules require that "All operations on slopes exceeding 65% within an inner gorge of a Class I or II Watercourse shall be reviewed by a Professional Geologist prior to plan approval, regardless of whether they are proposed within a WLPZ or outside of a WLPZ". Evaluation of the proposed harvesting operations within the inner gorge areas and the development of mitigation measures designed to minimize adverse impacts to slope stability within and upslope of these areas by a California licensed Professional Geologist will minimize the potential for adverse impacts to slope stability that could result in impacts to public safety and sediment delivery to watercourses. We discussed that either a licensed Professional Geologist would be consulted to evaluate the proposed operations on inner gorge slopes, or that that the THP should be redesigned such that operations would be avoided in the inner gorge areas.

### Recommendations:

The proposed THP proposes operations on unmapped unstable areas as well as inner gorge geomorphology. These operations have the potential to result in adverse impacts to slope stability, resulting in potential impacts to public safety (Gualala Road, Old Stage Road, plan adjacent structures) and/or sediment delivery to watercourses.

As discussed during the February 6, 2024 site visit, the proposed harvesting operations within and adjacent to the mapped and unmapped unstable areas, as well as the inner gorge geomorphology, should be evaluated by a California licensed Professional Geologist, with respect to slope stability, public safety, and sediment delivery. The geologist should provide a report detailing the evaluation consistent with CGS Note 45, including descriptions of the unstable areas, an evaluation of the proposed operations and a description of developed mitigation measures. Any mitigation measures developed by the geologist should be included in Section II of the THP, so that they are enforceable.

Alternatively, the THP can be redesigned to exclude and/or avoid operations on unstable areas and inner gorge slopes.

--- DocuSigned by:

Patrick Brand

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Patrick K. Brand, CEG # 2542 Engineering Geologist Concur 2/22/2024

David Longstreth

Date, David Longstreth, CEG # 2068 Senior Engineering Geologist D. L. Longstreth
No. 2068
CERTIFIED
ENGINEERING
GEOLOGIST
CF CALIFOR

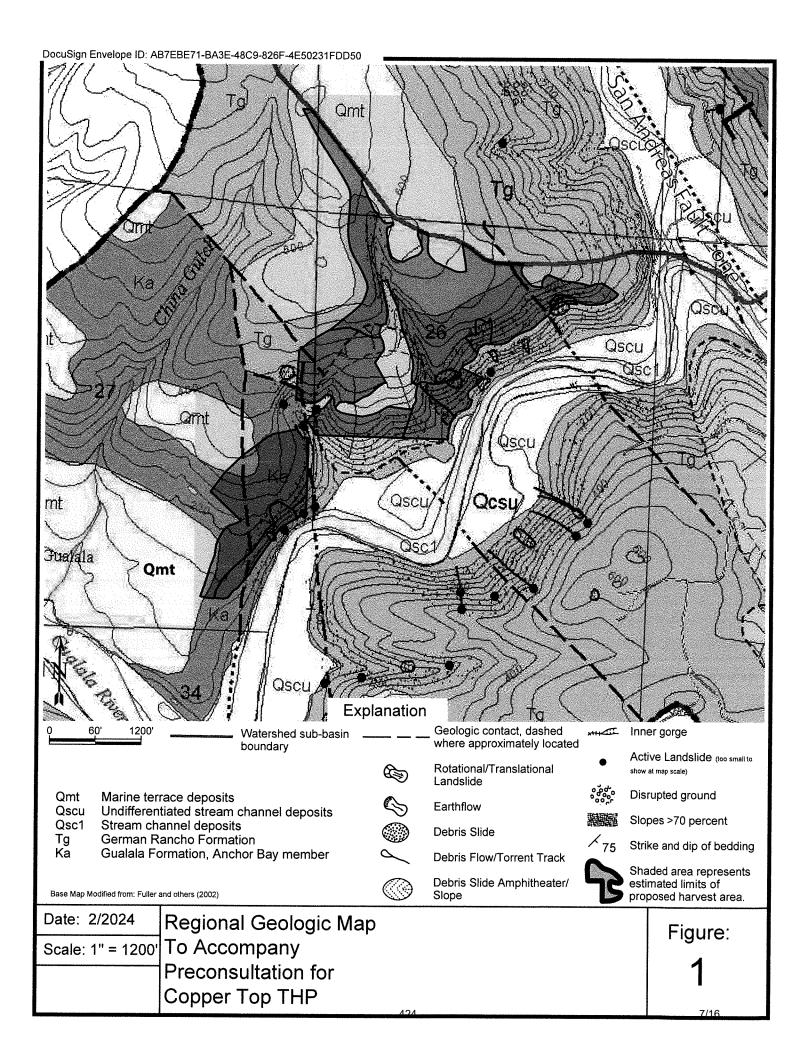
Attachments: Figures 1 through 4

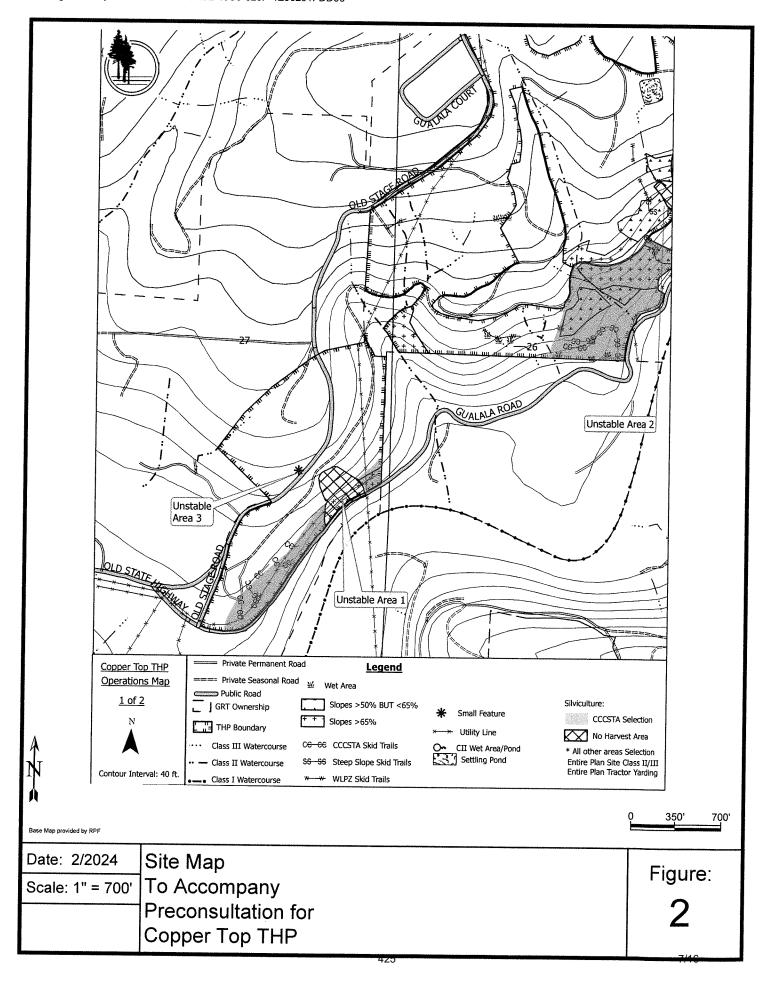
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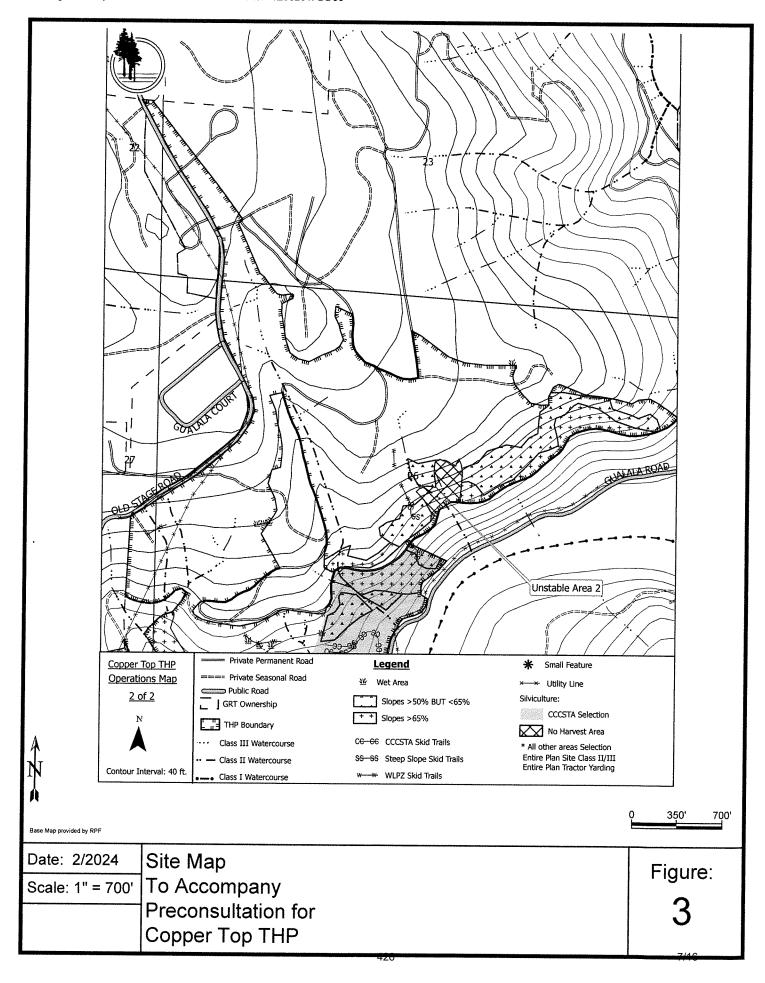
- Blake, M.C., Graymer, R.W., and Stamski, R.E., 2002, Geologic Map and Map Database of Western Sonoma, Northernmost Marin, and Southernmost Mendocino Counties, California, USGS Miscellaneous Field Studies Map MF-2402, web page: http://pubs.usgs.gov/mf/2002/2402/, scale: 1:100,000.
- CAL FIRE, 2008, Preharvest Inspection Report, THP 1-08-086 MEN, Unpublished memo prepared by Ken Margiott, dated August 23.
- California Geological Survey (CGS), 2005, Engineering Geologic Review of Timber Harvesting Plan 1-05-023 MEN; unpublished memo to William Snyder, Cal Fire; prepared by Dave Longstreth; dated April 19.
- California Division of Mines and Geology (CGS), 1999, Engineering Geologic Review of Timber Harvesting Plan 1-99-560 MEN; unpublished memo to Ross Johnson, Cal Fire; prepared by Wayne Haydon; dated December 9.
- California Division of Mines and Geology (CGS), 1990, Engineering Geologic Review of Timber Harvesting Plan 1-90-652 MEN; unpublished memo to W.T. Imboden, Cal Fire; prepared by Tom Spittler; dated October 16.
- Fuller and others, 2002, Geology and Geomorphology for Gualala Watershed Assessment: California Department of Conservation, California Geological Survey, CGS CD 2002-08, map scale 1:24000.
- Gualala Redwoods Inc. (GRI), 2004/undated, Landslide database, Engineering Geologic report and database prepared for GRI timberlands; compiled from aerial photo analysis (1947, 1959, 1970, 1984, 1998, 2004) by Tim Best, CEG and field observation by foresters; most recent update date unknown.

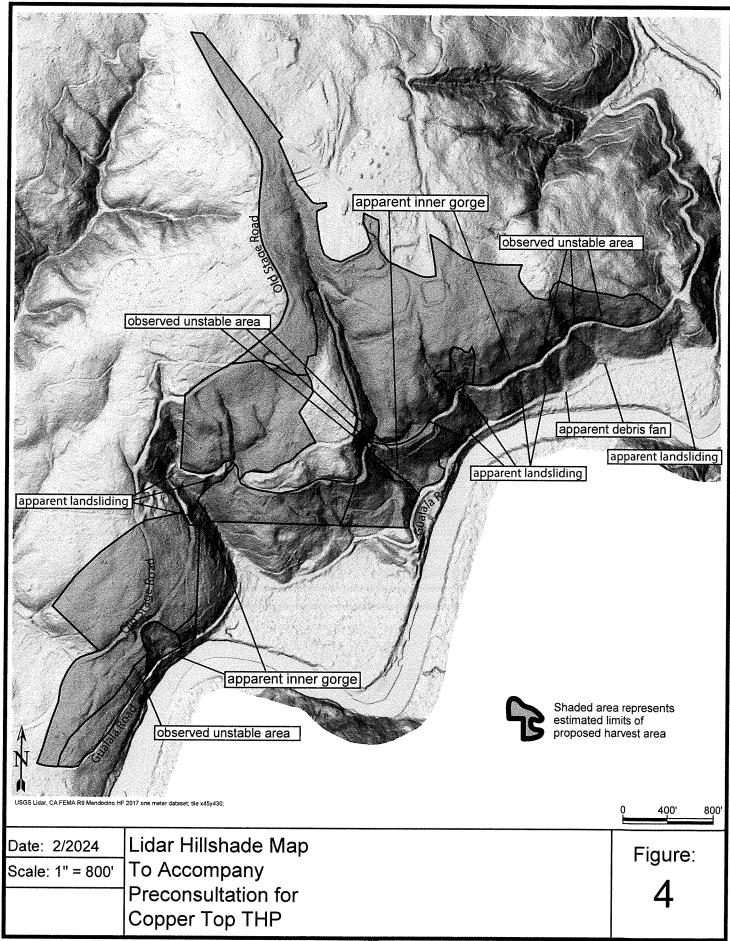
NAIP Imagery: 2022

<u>LiDAR Data:</u> CA FEMA R9 Mendocino HF 2017 one meter dataset; tile x45y430; available at <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a>



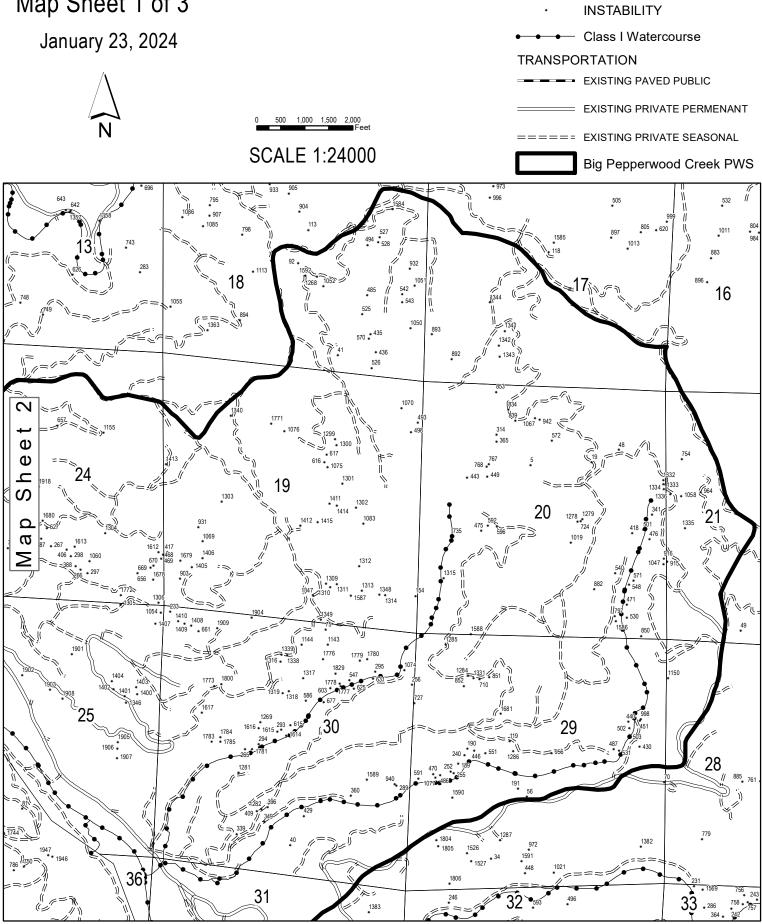






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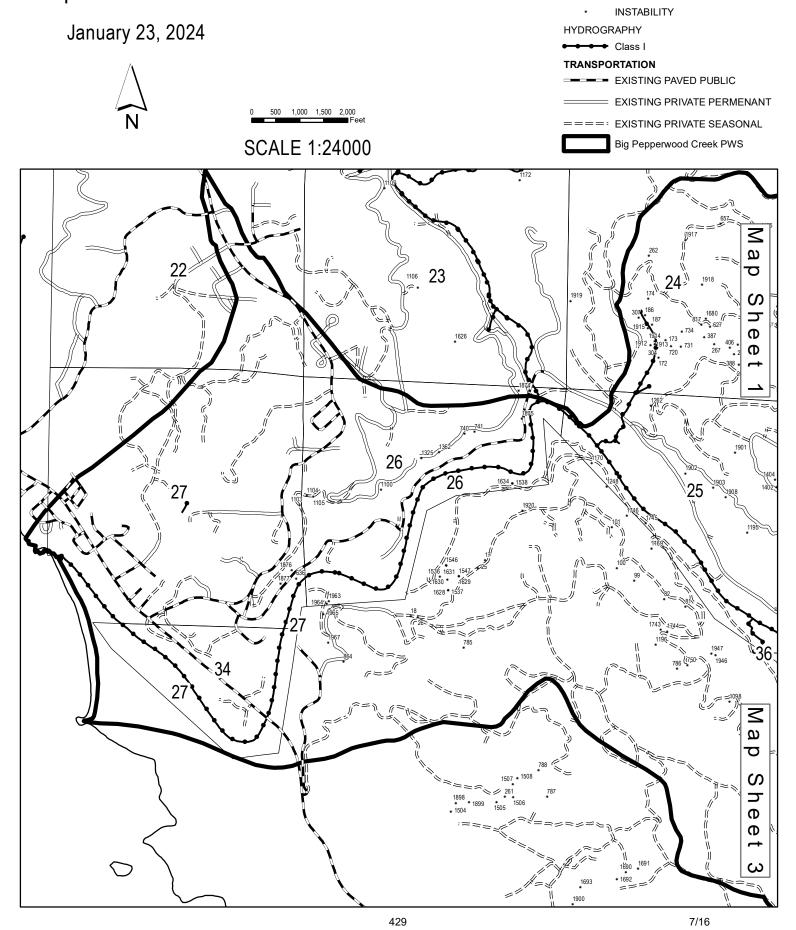
Unstable Areas in the Big Pepperwood Creek PWS Map Sheet 1 of 3



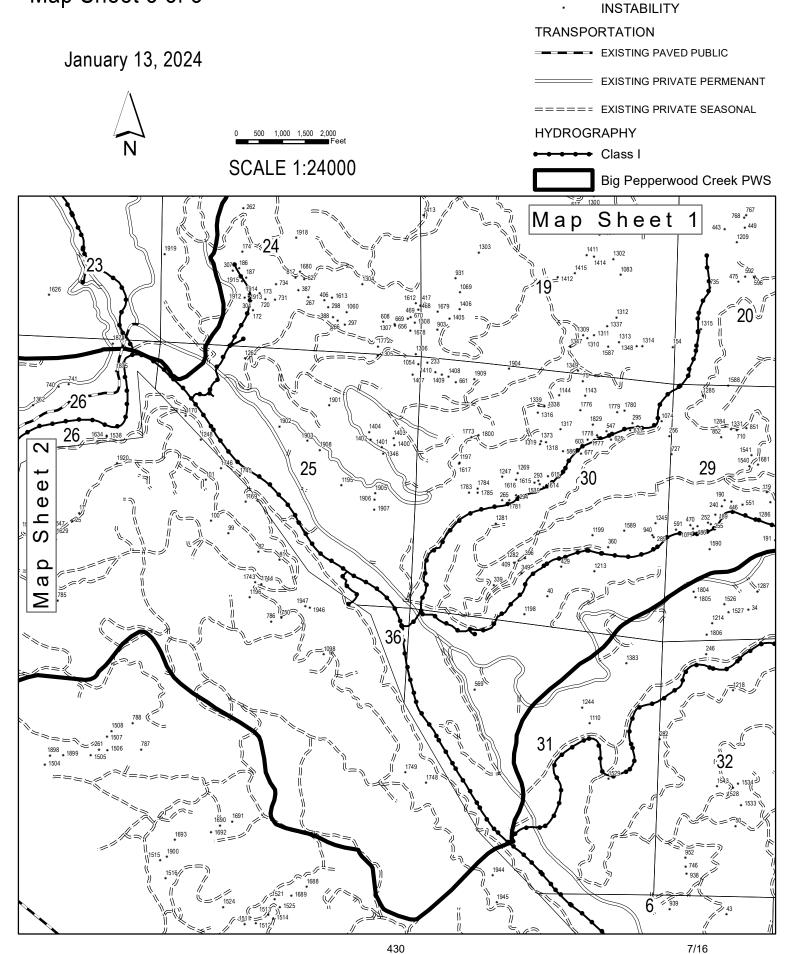
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# Unstable Areas in the Big Pepperwood Creek PWS Map Sheet 2 of 3



Unstable Areas in the Big Pepperwood Creek PWS Map Sheet 3 of 3



# Landslides\*

### Planning Watershed Big Pepperwood Creek

| Map#       | <i>ID</i> # | Inspector            | Year**       | Source           | Slide Type          | Slope Type              | Slope Form         | Association            | Slope          | Stream     | Total Yds      | Delivered      |
|------------|-------------|----------------------|--------------|------------------|---------------------|-------------------------|--------------------|------------------------|----------------|------------|----------------|----------------|
| 5          | 5           | Best CEG             | 1984         | Photos           | Skid Trail          | Headwall Swale          | Divergent          | Mgt. Relate            | 85+            | NA         | 389            | 97             |
| 17         | 17          | Best CEG             | 1984         | Photos           | Road                | Headwall Swale          | •                  | Mgt. Relate            | 75-84          | NA         | 889            | 222            |
| 18         | 18          | Best CEG             | 1984         | Photos           | Road                | Headwall Swale          | Convergent         | Mgt. Relate            | 65-74          | NA         | 889            | 222            |
| 19         | 19          | Best CEG             | 1984         | Photos           | Road                | Headwall Swale          | _                  | Mgt. Relate            | 30-49          | NA         | 389            | 194            |
| 25         |             | Best CEG             | 1984         | Photos           | Road                | Headwall Swale          |                    | Mgt. Relate            | 65-74          | NA         | 889            | 222            |
| 26         | 26          | Best CEG             | 1984         | Photos           | Road                | Headwall Swale          |                    | Mgt. Relate            | 65-74          | NA         | 889            | 222            |
| 40         | 40          | Best CEG             | 1970         | Photos           | Skid Trail          | Headwall Swale          | Convergent         | Mgt. Relate            | 50-64          | NA         | 389            | 97             |
| 41         | 41          | Best CEG             | 1970         | Photos           | Skid Trail          | Headwall Swale          | Convergent         | Mgt. Relate            | 30-49          | NA         | 889            | 222            |
| 48         | 48          | Best CEG             | 1959         | Photos           | Skid Trail          | Headwall Swale          | Convergent         | Mgt. Relate            | 65-74          | NA         | 4,074          | 3,055          |
| 56         | 56          | Best CEG             | 1998         | Photos           | Road                | Headwall Swale          | Convergent         | Mgt. Relate            | 0-29           | NA         | 7,778          | 5,833          |
| 75         | 75          | Best CEG             | 1984         | Photos           | Hill Slope          | Headwall Swale          | Convergent         | Natural                | 50-64          | NA         | 222            | 55             |
| 81         | 81          | Best CEG             | 1930         | Photos           | Hill Slope          | Headwall Swale          | •                  | Natural                | 0-29           | NA         | 1,481          | 1,110          |
| 82         | 82          | Best CEG             | 1930         | Photos           | Hill Slope          | Headwall Swale          |                    | Natural                | 0-29           | NA         | 1,481          | 1,110          |
| 92         | 92          | Best CEG             | 1947         | Photos           | Hill Slope          | Headwall Swale          | Convergent         | Natural                | 0-29           | NA         | 648            | 486            |
| 99         | 99          | Best CEG             | 1930         | Photos           | Hill Slope          | Headwall Swale          | ū                  | Natural                | 0-29           | NA         | 6,519          | 4,888          |
| 100        | 100         | Best CEG             | 1930         | Photos           | Hill Slope          | Headwall Swale          | Convergent         | Natural                | 0-29           | NA         | 11,852         | 8,889          |
| 101        | 101         | Best CEG             | 1930         | Photos           | Hill Slope          | Headwall Swale          | ŭ                  | Natural                | 0-29           | NA         | 11,852         | 8,889          |
| 119        | 119         | Best CEG             | 1970         | Photos           | Skid Trail          | Headwall Swale          | Convergent         | Mgt. Relate            | 30-49          | NA         | 6,519          | 1,629          |
| 154        | 154         | Best CEG             | 1970         | Photos           | Skid Trail          | Inner Gorge             | Divergent          | Mgt. Relate            | 0-29           | Ukn        | 1,481          | 1,110          |
| 172        |             | Best CEG             | 1959         | Photos           | Skid Trail          | Inner Gorge             | Plannar            | Mgt. Relate            | 30-49          | NA         | 1,481          | 740            |
| 173        | 173         | Best CEG             | 1959         | Photos           | Skid Trail          | Inner Gorge             | Plannar            | Mgt. Relate            | 50-64          | NA         | 648            | 324            |
| 174        | 174         | Best CEG             | 1959         | Photos           | Skid Trail          | Inner Gorge             | Plannar            | Mgt. Relate            | 50-64          | NA         | 1,481          | 1,110          |
| 186        | 186         | Best CEG             | 1959         | Photos           | Skid Trail          | Inner Gorge             | Plannar            | Mgt. Relate            | 75-84          | NA         | 11,852         | 8,889          |
| 187        |             | Best CEG             | 1959         | Photos           | Skid Trail          | Inner Gorge             | Plannar            | Mgt. Relate            | 65-74          | NA         | 18,519         | 13,888         |
| 189        |             | Best CEG             | 1998         | Photos           | Stream Bank Failure | •                       | Convergent         | Natural                | 65-74          | NA         | 222            | 166            |
| 190        |             | Best CEG             | 1998         | Photos           | Stream Bank Failure | •                       | Convergent         | Natural                | 85+            | NA         | 389            | 292            |
| 191        |             | Best CEG             | 1998         | Photos           | Road                | Headwall Swale          | Convergent         | Mgt. Relate            | 65-74          | NA         | 1,778          | 1,333          |
| 233        |             | Best CEG             | 1998         | Photos           | Hill Slope          | Inner Gorge             | Convergent         | Natural                | 85+            | NA         | 67             | 49             |
| 240        |             | Best CEG             | 1959         | Photos           | Hill Slope          | Inner Gorge             | Convergent         | Natural                | 65-74          | NA         | 222            | 111            |
| 252        |             | Best CEG             | 1959         | Photos           | Hill Slope          | Inner Gorge             | Divergent          | Natural                | 85+            | Ukn        | 4,074          | 3,055          |
| 255        |             | Best CEG             | 1984         | Photos           | Hill Slope          | Inner Gorge             | Divergent          | Natural                | 75-84          | Ukn        | 222            | 166            |
| 256        |             | Best CEG             | 1998         | Photos           | Hill Slope          | Inner Gorge             | Divergent          | Natural                | 65-74          | NA<br>     | 67             | 16             |
| 262        |             | Best CEG             | 1970         | Photos           | Stream Bank Failure | -                       | Plannar            | Natural                | 75-84          | Ukn        | 648            | 486            |
| 265        |             | Best CEG             | 1970         | Photos           | Stream Bank Failure | -                       | Plannar            | Natural                | 50-64          | Ukn        | 1,481          | 1,110          |
| 266        |             | Best CEG             | 1959         | Photos           | Stream Bank Failure | •                       | Plannar            | Natural                | 0-29           | Ukn        | 2,370          | 1,777          |
| 267        |             | Best CEG             | 1959         | Photos           | Stream Bank Failure | =                       | Plannar            | Natural                | 65-74          | Ukn        | 6,519          | 4,888          |
| 289        |             | Best CEG             | 1959         | Photos           | Hill Slope          | Inner Gorge             | Plannar            | Natural                | 30-49          | NA         | 1,481          | 1,110          |
| 293        |             | Best CEG             | 1970         | Photos           | Stream Bank Failure | ŭ                       |                    | Natural                | 65-74          | Ukn        | 648            | 486            |
| 294        |             | Best CEG             | 1970         | Photos           | Stream Bank Failure | ŭ                       |                    | Natural                | 50-64          | Ukn        | 648            | 486            |
| 295<br>297 |             | Best CEG<br>Best CEG | 1959<br>1947 | Photos<br>Photos | Stream Bank Failure | J                       |                    | Natural<br>Natural     | 85+<br>0-29    | Ukn<br>Ukn | 648<br>389     | 486            |
| 298        |             | Best CEG             |              | Photos           | Hill Slope          | Inner Gorge             |                    | Natural                | 30-49          | NA         | 389            | 292<br>97      |
|            |             |                      | 1947         |                  | Hill Slope          | Inner Gorge             | Dlannar            |                        |                |            |                |                |
| 304<br>307 |             | Best CEG<br>Best CEG | 1970<br>1970 | Photos<br>Photos | Landing             | Inner Gorge Inner Gorge | Plannar<br>Plannar | Mgt. Relate            | 0-29<br>30-49  | Ukn<br>Ukn | 4,074<br>1 481 | 3,055<br>1 110 |
| 314        |             | Best CEG             | 1984         | Photos           | Hill Slope<br>Road  | Inner Gorge             | Convergent         | Natural<br>Mgt. Relate | 30-49<br>65-74 | Ukn        | 1,481<br>370   | 1,110<br>277   |
| 339        |             | Best CEG             | 1904         | Photos           | Road                | Inner Gorge             | Convergent         | Mgt. Relate            | 0-29           | NA         | 1,481          | 370            |
| 341        |             | Best CEG             | 1959         | Photos           | Road                | Inner Gorge             | Convergent         | Mgt. Relate            | 50-64          | Ukn        | 648            | 486            |
| 349        |             | Best CEG             | 1984         | Photos           | Road                | Inner Gorge             | Convergent         | Mgt. Relate            | 65-74          | NA         | 1,037          | 777            |
| 360        |             | Best CEG             | 1959         | Photos           | Road                | Inner Gorge             | Divergent          | Mgt. Relate            | 50-64          | NA         | 389            | 292            |
| 300        | 500         | DESI OEG             | 1908         | 1 110105         | Noau                | milei Gorge             | Piverdelir         | wigt. INclate          | 50-04          | 14/4       | 309            | 252            |

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### **Planning Watershed** Big Pepperwood Creek

| Map# | ID# | Inspector | Year** | Source | Slide Type | Slope Type  | Slope Form | Association | Slope | Stream | Total Yds | Delivered |
|------|-----|-----------|--------|--------|------------|-------------|------------|-------------|-------|--------|-----------|-----------|
| 365  |     | Best CEG  | 1998   | Photos | Road       | Inner Gorge | Divergent  | Mgt. Relate | 50-64 | NA     | 389       | 194       |
| 387  |     | Best CEG  | 1984   | Photos | Road       | Inner Gorge | Plannar    | Mgt. Relate | 75-84 | Ukn    | 14,444    | 10,833    |
| 388  |     | Best CEG  | 1984   | Photos | Road       | Inner Gorge | Plannar    | Mgt. Relate | 0-29  | Ukn    | 12,963    | 9,722     |
| 396  |     | Best CEG  | 1970   | Photos | Road       | Inner Gorge | Plannar    | Mgt. Relate | 75-84 | NA     | 389       | 97        |
| 406  |     | Best CEG  | 1984   | Photos | Road       | Inner Gorge | Plannar    | Mgt. Relate | 75-84 | Ukn    | 1,481     | 1,110     |
| 409  |     | Best CEG  | 1970   | Photos | Road       | Inner Gorge | Plannar    | Mgt. Relate | 50-64 | NA     | 4,074     | 2,037     |
| 417  |     | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 30-49 | Ukn    | 389       | 292       |
| 418  |     | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 50-64 | NA     | 67        | 49        |
| 429  |     | Best CEG  | 1984   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 50-64 | Ukn    | 370       | 277       |
| 430  |     | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 75-84 | NA     | 370       | 92        |
| 435  |     | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 50-64 | Ukn    | 1,037     | 777       |
| 436  | 436 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 65-74 | Ukn    | 2,370     | 1,777     |
| 440  | 440 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 50-64 | Ukn    | 222       | 166       |
| 443  | 443 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 85+   | Ukn    | 222       | 166       |
| 446  | 446 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 50-64 | Ukn    | 389       | 292       |
| 449  | 449 | Best CEG  | 1984   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 75-84 | NA     | 389       | 292       |
| 451  | 451 | Best CEG  | 1998   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 85+   | NA     | 389       | 97        |
| 468  | 468 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 85+   | Ukn    | 1,481     | 1,110     |
| 469  | 469 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 85+   | Ukn    | 1,481     | 1,110     |
| 470  | 470 | Best CEG  | 1984   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 75-84 | Ukn    | 370       | 185       |
| 471  | 471 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 85+   | Ukn    | 370       | 277       |
| 475  | 475 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 50-64 | Ukn    | 648       | 324       |
| 476  | 476 | Best CEG  | 1984   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 75-84 | Ukn    | 4,074     | 3,055     |
| 485  | 485 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Convergent | Mgt. Relate | 30-49 | Ukn    | 2,370     | 1,185     |
| 486  | 486 | Best CEG  | 1984   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 50-64 | Ukn    | 67        | 49        |
| 487  | 487 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 50-64 | NA     | 222       | 111       |
| 493  | 493 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 65-74 | Ukn    | 1,481     | 1,110     |
| 494  | 494 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 50-64 | Ukn    | 648       | 486       |
| 498  | 498 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 30-49 | Ukn    | 389       | 292       |
| 501  | 501 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 0-29  | Ukn    | 222       | 166       |
| 502  | 502 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 50-64 | Ukn    | 222       | 166       |
| 503  | 503 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 0-29  | Ukn    | 222       | 166       |
| 525  | 525 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 30-49 | Ukn    | 648       | 486       |
| 526  | 526 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 65-74 | Ukn    | 648       | 486       |
| 527  | 527 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 75-84 | Ukn    | 1,481     | 1,110     |
| 528  | 528 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 30-49 | Ukn    | 1,481     | 1,110     |
| 530  | 530 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 50-64 | Ukn    | 370       | 277       |
| 531  | 531 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Divergent  | Mgt. Relate | 30-49 | Ukn    | 648       | 486       |
| 540  | 540 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 65-74 | NA     | 222       | 166       |
| 542  | 542 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 50-64 | Ukn    | 648       | 486       |
| 543  | 543 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 50-64 | Ukn    | 648       | 324       |
| 547  | 547 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 50-64 | NA     | 889       | 444       |
| 548  | 548 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 30-49 | Ukn    | 222       | 166       |
| 551  | 551 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 75-84 | Ukn    | 389       | 292       |
| 569  | 569 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 0-29  | NA     | 1,481     | 370       |
| 570  | 570 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 30-49 | Ukn    | 648       | 486       |
| 571  | 571 | Best CEG  | 1959   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 65-74 | Ukn    | 648       | 486       |
| 572  | 572 | Best CEG  | 1970   | Photos | Skid Trail | Inner Gorge | Plannar    | Mgt. Relate | 65-74 | Ukn    | 1,481     | 1,110     |
| 586  | 586 | Best CEG  | 1959   | Photos | Hill Slope | Inner Gorge | Convergent | Natural     | 50-64 | Ukn    | 4,074     | 3,055     |
| 591  | 591 | Best CEG  | 1959   | Photos | Hill Slope | Inner Gorge | Convergent | Natural     | 50-64 | Ukn    | 889       | 444       |
| 592  | 592 | Best CEG  | 1959   | Photos | Hill Slope | Inner Gorge | Convergent | Natural     | 75-84 | NA     | 2,444     | 611       |
| 596  | 596 | Best CEG  | 1959   | Photos | Hill Slope | Inner Gorge | Convergent | Natural     | 50-64 | NA     | 1,481     | 740       |
| 603  |     | Best CEG  | 1959   | Photos | Hill Slope | Inner Gorge | Divergent  | Natural     | 50-64 | Ukn    | 1,481     | 1,110     |
| 608  | 608 | Best CEG  | 1970   | Photos | Hill Slope | Inner Gorge | Plannar    | Natural     |       | Ukn    | 16,898    | 8,448     |
|      |     |           |        |        |            |             |            |             |       |        |           |           |

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#### Planning Watershed Big Pepperwood Creek

| Man#       | ID#  | Inspector            | Year**       | Source           | Slide Type               | Slope Type                 | Slope Form             | Association                | Slone          | Stroam     | Total Vds    | Delivered    |
|------------|------|----------------------|--------------|------------------|--------------------------|----------------------------|------------------------|----------------------------|----------------|------------|--------------|--------------|
|            |      |                      |              |                  |                          |                            |                        |                            |                |            |              |              |
| 615<br>616 |      | Best CEG<br>Best CEG | 1959<br>1970 | Photos<br>Photos | Hill Slope               | Inner Gorge<br>Inner Gorge | Plannar                | Natural<br>Natural         | 50-64<br>0-29  | Ukn<br>Ukn | 1,481<br>222 | 1,110<br>166 |
| 617        |      | Best CEG             | 1970         | Photos           | Hill Slope<br>Hill Slope | · ·                        |                        | Natural                    | 50-64          |            | 222          | 166          |
| 625        |      | Best CEG             | 1984         | Photos           | Road                     | Inner Gorge<br>Inner Gorge | Convergent             | Mgt. Relate                | 30-49          | Ukn        | 389          | 292          |
| 627        |      | Best CEG             | 1984         | Photos           | Road                     | Inner Gorge                | Convergent             | Mgt. Relate                | 50-49          | NA         | 648          | 486          |
| 631        |      | Best CEG             | 1984         | Photos           | Road                     | Inner Gorge                | Divergent              | Mgt. Relate                | 0-29           | Ukn        | 370          | 277          |
| 636        |      | Best CEG             | 1984         | Photos           | Road                     | Inner Gorge                | Plannar                | Mgt. Relate                | 0-29           | Ukn        | 389          | 292          |
| 645        |      | Best CEG             | 1984         | Photos           | Skid Trail               | Inner Gorge                | Convergent             | Mgt. Relate                | 0-23           | Ukn        | 1,527        | 763          |
| 656        |      | Best CEG             | 1970         | Photos           | Skid Trail               | Inner Gorge                | Convergent             | Mgt. Relate                | 65-74          |            | 1,481        | 1,110        |
| 657        |      | Best CEG             | 1984         | Photos           | Skid Trail               | Inner Gorge                | Convergent             | Mgt. Relate                | 50-64          | NA         | 648          | 486          |
| 661        |      | Best CEG             | 1970         | Photos           | Skid Trail               | Inner Gorge                | Convergent             | Mgt. Relate                | 50-64          |            | 2,370        | 1,185        |
| 669        |      | Best CEG             | 1970         | Photos           | Skid Trail               | Inner Gorge                | Divergent              | Mgt. Relate                | 30-49          | Ukn        | 648          | 486          |
| 670        |      | Best CEG             | 1970         | Photos           | Skid Trail               | Inner Gorge                | Divergent              | Mgt. Relate                | 65-74          |            | 648          | 486          |
| 677        |      | Best CEG             | 1984         | Photos           | Skid Trail               | Inner Gorge                | Plannar                | Mgt. Relate                | 85+            | Ukn        | 222          | 166          |
| 710        | 710  | Best CEG             | 1998         | Photos           | Road                     | · ·                        | Divergent              | Mgt. Relate                | 65-74          | NA         | 67           | 16           |
| 720        | 720  | Best CEG             | 1959         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 65-74          | NA         | 648          | 486          |
| 724        | 724  | Best CEG             | 1998         | Photos           | Stream Bank Failure      |                            | Convergent             | Natural                    | 50-64          | NA         | 67           | 16           |
| 727        | 727  | Best CEG             | 1998         | Photos           | Stream Bank Failure      |                            | Divergent              | Natural                    | 85+            | NA         | 67           | 16           |
| 731        | 731  | Best CEG             | 1959         | Photos           | Stream Bank Failure      |                            | Plannar                | Natural                    | 65-74          | NA         | 1,481        | 740          |
| 734        | 734  | Best CEG             | 1959         | Photos           | Stream Bank Failure      |                            | Plannar                | Natural                    | 0-29           | NA         | 2,370        | 1,185        |
| 735        | 735  | Best CEG             | 1970         | Photos           | Stream Bank Failure      |                            |                        | Natural                    | 0-29           | Ukn        | 6,519        | 4,888        |
| 740        | 740  | Best CEG             | 1970         | Photos           | Road                     |                            | Convergent             | Mgt. Relate                | 50-64          | NA         | 389          | 97           |
| 741        | 741  | Best CEG             | 1970         | Photos           | Road                     |                            | Convergent             | Mgt. Relate                | 50-64          | NA         | 222          | 55           |
| 750        | 750  | Best CEG             | 1984         | Photos           | Skid Trail               |                            | Plannar                | Mgt. Relate                | 50-64          | NA         | 222          | 55           |
| 754        | 754  | Best CEG             | 1947         | Photos           | Hill Slope               |                            | Convergent             | Natural                    | 50-64          | Ukn        | 222          | 166          |
| 767        | 767  | Best CEG             | 1998         | Photos           | Hill Slope               |                            | Convergent             | Natural                    | 50-64          | NA         | 67           | 33           |
| 768        |      | Best CEG             | 1998         | Photos           | Hill Slope               |                            | Convergent             | Natural                    | 30-49          | NA         | 67           | 33           |
| 785        |      | Best CEG             | 1984         | Photos           | Stream Bank Failure      |                            | Plannar                | Natural                    | 0-29           | Ukn        | 648          | 486          |
| 786        |      | Best CEG             | 1984         | Photos           | Stream Bank Failure      |                            | Plannar                | Natural                    | 30-49          | Ukn        | 648          | 486          |
| 797        |      | Best CEG             | 1998         | Photos           | Hill Slope               |                            | Plannar                | Natural                    | 85+            | NA         | 67           | 16           |
| 817        |      | Best CEG             | 1984         | Photos           | Road                     |                            | Convergent             | Mgt. Relate                | 85+            | NA         | 389          | 97           |
| 834        |      | Best CEG             | 1984         | Photos           | Road                     |                            | Divergent              | Mgt. Relate                | 50-64          | NA         | 389          | 194          |
| 839        |      | Best CEG             | 1984         | Photos           | Road                     |                            | Divergent              | Mgt. Relate                | 50-64          | NA         | 889          | 222          |
| 850<br>951 |      | Best CEC             | 1984         | Photos           | Road                     |                            | Divergent              | Mgt. Relate                | 50-64          | NA<br>NA   | 1,481        | 740          |
| 851<br>852 |      | Best CEG<br>Best CEG | 1984<br>1984 | Photos<br>Photos | Road<br>Road             |                            | Divergent<br>Divergent | Mgt. Relate<br>Mgt. Relate | 50-64<br>50-64 | NA<br>NA   | 1,481<br>648 | 370<br>162   |
| 853        |      | Best CEG             | 1984         | Photos           | Road                     |                            | Divergent              | Mgt. Relate                | 75-84          |            | 648          | 324          |
| 864        |      | Best CEG             | 1984         | Photos           | Road                     |                            | Plannar                | Mgt. Relate                | 30-49          | NA         | 2,444        | 611          |
| 882        |      | Best CEG             | 1959         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 30-49          | NA         | 67           | 49           |
| 892        |      | Best CEG             | 1970         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 30-49          | NA         | 648          | 486          |
| 893        |      | Best CEG             | 1970         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 65-74          |            | 648          | 486          |
| 903        |      | Best CEG             | 1970         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 50-64          |            | 6,519        | 4,888        |
| 915        |      | Best CEG             | 1998         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 85+            | NA         | 67           | 33           |
| 916        |      | Best CEG             | 1998         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 75-84          | NA         | 67           | 49           |
| 931        |      | Best CEG             | 1970         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 65-74          |            | 1,481        | 740          |
| 932        |      | Best CEG             | 1970         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 75-84          |            | 648          | 486          |
| 940        |      | Best CEG             | 1984         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 30-49          | NA         | 648          | 324          |
| 942        | 942  | Best CEG             | 1984         | Photos           | Skid Trail               |                            | Convergent             | Mgt. Relate                | 85+            | NA         | 648          | 486          |
| 956        | 956  | Best CEG             | 1970         | Photos           | Skid Trail               |                            | Divergent              | Mgt. Relate                | 50-64          | NA         | 389          | 97           |
| 964        | 964  | Best CEG             | 1959         | Photos           | Skid Trail               |                            | Divergent              | Mgt. Relate                | 30-49          | NA         | 222          | 55           |
| 998        | 998  | Best CEG             | 1984         | Photos           | Skid Trail               |                            | Divergent              | Mgt. Relate                | 30-49          | NA         | 648          | 324          |
| 1019       | 1019 | Best CEG             | 1970         | Photos           | Skid Trail               |                            | Plannar                | Mgt. Relate                | 65-74          | NA         | 389          | 194          |
| 1047       |      | Best CEG             | 1984         | Photos           | Skid Trail               |                            | Plannar                | Mgt. Relate                | 30-49          | NA         | 648          | 324          |
| 1050       | 1050 | Best CEG             | 1970         | Photos           | Skid Trail               |                            |                        | Mgt. Relate                | 30-49          | Ukn        | 2,444        | 1,833        |
|            |      |                      |              |                  |                          |                            |                        |                            |                |            |              |              |

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### **Planning Watershed** Big Pepperwood Creek

| Map# | <i>ID</i> # | Inspector | Year** | Source | Slide Type          | Slope Type     | Slope Form | Association | Slope | Stream | Total Yds | Delivered |
|------|-------------|-----------|--------|--------|---------------------|----------------|------------|-------------|-------|--------|-----------|-----------|
| 1051 |             | Best CEG  | 1970   | Photos | Skid Trail          | 1 11           | •          | Mgt. Relate | 30-49 | Ukn    | 2,444     | 1,833     |
| 1052 |             | Best CEG  | 1970   | Photos | Skid Trail          |                |            | Mgt. Relate | 50-64 | Ukn    | 2,444     | 1,833     |
| 1054 |             | Best CEG  | 1970   | Photos | Skid Trail          |                |            | Mgt. Relate | 0-29  | Ukn    | 1,481     | 1,110     |
| 1058 |             | Best CEG  | 1998   | Photos | Hill Slope          |                | Convergent | Natural     | 85+   | NA     | 67        | 33        |
| 1060 | 1060        | Best CEG  | 1970   | Photos | Hill Slope          |                | Convergent | Natural     | 30-49 | Ukn    | 648       | 486       |
| 1067 | 1067        | Best CEG  | 1970   | Photos | Hill Slope          |                | Plannar    | Natural     | 65-74 | NA     | 389       | 292       |
| 1088 | 1088        | Best CEG  | 1970   | Photos | Stream Bank Failure |                | N/A        | Natural     |       | Ukn    | 6,471     | 4,853     |
| 1098 | 1098        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 9,010,298 | 0         |
| 1100 | 1100        | Best CEG  | 1959   | Photos | Road                |                | Convergent | Mgt. Relate | 30-49 | Ukn    | 67        | 33        |
| 1103 | 1103        | Best CEG  | 1959   | Photos | Road                |                | Plannar    | Mgt. Relate | 50-64 | Ukn    | 889       | 444       |
| 1104 | 1104        | Best CEG  | 1959   | Photos | Road                |                | Plannar    | Mgt. Relate | 65-74 | Ukn    | 67        | 16        |
| 1105 | 1105        | Best CEG  | 1959   | Photos | Road                |                | Plannar    | Mgt. Relate | 50-64 | Ukn    | 67        | 16        |
| 1143 | 1143        | Best CEG  | 1970   | Photos | Hill Slope          |                | Convergent | Natural     | 50-64 | NA     | 5,926     | 0         |
| 1144 | 1144        | Best CEG  | 1970   | Photos | Hill Slope          |                | Convergent | Natural     | 30-49 | NA     | 5,926     | 0         |
| 1150 | 1150        | Best CEG  | 1970   | Photos | Hill Slope          |                | Plannar    | Natural     | 65-74 | NA     | 222       | 166       |
| 1169 | 1169        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 119,194   | 0         |
| 1170 | 1170        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 169,366   | 0         |
| 1195 | 1195        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 2,125,677 | 0         |
| 1196 | 1196        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 590,261   | 0         |
| 1197 | 1197        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 224,662   | 0         |
| 1198 | 1198        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 184,370   | 0         |
| 1199 | 1199        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 339,888   | 0         |
| 1209 | 1209        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 208,882   | 0         |
| 1210 | 1210        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 75,912    | 0         |
| 1211 | 1211        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 181,924   | 0         |
| 1212 | 1212        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 200,166   | 0         |
| 1213 | 1213        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 1,092,839 | 0         |
| 1245 | 1245        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 215,941   | 0         |
| 1247 | 1247        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 387,987   | 0         |
| 1248 | 1248        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     | 30-49 | NA     | 29,630    | 0         |
| 1249 | 1249        | Best CEG  | 1984   | Photos | Stream Bank Failure |                | N/A        | Natural     |       | NA     | 4,399     | 3,299     |
| 1262 | 1262        | Best CEG  | 1998   | Photos | Road                | Headwall Swale | Plannar    | Mgt. Relate |       | NA     | 648       | 324       |
| 1268 | 1268        | Best CEG  | 1998   | Photos | Road                | Inner Gorge    | Plannar    | Mgt. Relate |       | NA     | 389       | 97        |
| 1269 | 1269        | Best CEG  | 1998   | Photos | Hill Slope          |                | Convergent | Natural     |       | NA     | 2,370     | 1,777     |
| 1277 | 1277        | Best CEG  | 1998   | Photos | Stream Bank Failure |                | Convergent | Natural     |       | NA     | 14,052    | 10,538    |
| 1278 | 1278        | Best CEG  | 1998   | Photos | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     |       | NA     | 222       | 111       |
| 1279 | 1279        | Best CEG  | 1998   | Photos | Road                | Inner Gorge    | Plannar    | Mgt. Relate |       | NA     | 222       | 111       |
| 1280 | 1280        | Best CEG  | 1998   | Photos | Road                | Headwall Swale | Convergent | Mgt. Relate |       | NA     | 19,641    | 14,731    |
| 1281 | 1281        | Best CEG  | 1998   | Photos | Landing             |                | Convergent | Mgt. Relate |       | NA     | 867       | 433       |
| 1282 | 1282        | Best CEG  | 1998   | Photos | Landing             |                | Convergent | Mgt. Relate |       | NA     | 119       | 0         |
| 1283 | 1283        | Best CEG  | 1998   | Photos | Stream Bank Failure | Headwall Swale | Convergent | Natural     |       | NA     | 3,804     | 1,902     |
| 1284 | 1284        | Best CEG  | 1998   | Photos | Road                | Headwall Swale | Convergent | Mgt. Relate |       | NA     | 648       | 324       |
| 1285 | 1285        | Best CEG  | 1998   | Photos | Road                |                | Plannar    | Mgt. Relate |       | NA     | 222       | 111       |
| 1286 | 1286        | Best CEG  | 1998   | Photos | Stream Bank Failure |                | Divergent  | Natural     |       | NA     | 33        | 8         |
| 1299 | 1299        | Best CEG  | 1998   | Photos | Hill Slope          | Inner Gorge    | Plannar    | Natural     |       | NA     | 222       | 111       |
| 1300 | 1300        | Best CEG  | 1998   | Photos | Hill Slope          | Inner Gorge    | Plannar    | Natural     |       | NA     | 222       | 111       |
| 1301 | 1301        | Best CEG  | 1998   | Photos | Hill Slope          | Inner Gorge    | Plannar    | Natural     |       | NA     | 648       | 324       |
| 1302 | 1302        | Best CEG  | 1998   | Photos | Hill Slope          | Inner Gorge    | Plannar    | Natural     |       | NA     | 648       | 324       |
| 1303 | 1303        | Best CEG  | 1998   | Photos | Stream Bank Failure | Headwall Swale | Convergent | Natural     |       | NA     | 1,481     | 740       |
| 1304 | 1304        | Best CEG  | 1998   | Photos | Stream Bank Failure | Headwall Swale | Plannar    | Natural     |       | NA     | 33        | 0         |
| 1305 | 1305        | Best CEG  | 1998   | Photos | Road                | Headwall Swale | Convergent | Mgt. Relate |       | NA     | 648       | 324       |
| 1306 | 1306        | Best CEG  | 1998   | Photos | Hill Slope          | Inner Gorge    | Plannar    | Natural     |       | NA     | 370       | 185       |
| 1307 | 1307        | Best CEG  | 1998   | Photos | Hill Slope          | Inner Gorge    | Plannar    | Natural     |       | NA     | 3,223     | 1,611     |
| 1308 | 1308        | Best CEG  | 1998   | Photos | Hill Slope          | Inner Gorge    | Plannar    | Natural     |       | NA     | 7,152     | 3,575     |

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### **Planning Watershed** Big Pepperwood Creek

| Map# | <i>ID</i> # | Inspector | Year** | Source | Slide Type          | Slope Type     | Slope Form | Association | Slope | Stream | Total Yds | Delivered |
|------|-------------|-----------|--------|--------|---------------------|----------------|------------|-------------|-------|--------|-----------|-----------|
| 1309 | 1309        | Best CEG  | 1998   | Photos | Stream Bank Failure | Headwall Swale | Convergent | Natural     |       | NA     | 222       | 66        |
| 1310 | 1310        | Best CEG  | 1998   | Photos | Stream Bank Failure | Headwall Swale | Convergent | Natural     |       | NA     | 222       | 66        |
| 1311 | 1311        | Best CEG  | 1998   | Photos | Stream Bank Failure | Inner Gorge    | Convergent | Natural     |       | NA     | 389       | 292       |
| 1312 | 1312        | Best CEG  | 1998   | Photos | Stream Bank Failure |                | Plannar    | Natural     |       | NA     | 33        | 0         |
| 1313 | 1313        | Best CEG  | 1998   | Photos | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     |       | NA     | 370       | 185       |
| 1314 | 1314        | Best CEG  | 1998   | Photos | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     |       | NA     | 67        | 33        |
| 1315 | 1315        | Best CEG  | 1998   | Photos | Hill Slope          | Inner Gorge    | Plannar    | Natural     |       | NA     | 370       | 185       |
| 1316 | 1316        | Best CEG  | 1998   | Photos | Stream Bank Failure | Headwall Swale | Convergent | Natural     |       | NA     | 222       | 55        |
| 1317 | 1317        | Best CEG  | 1998   | Photos | Skid Trail          | Headwall Swale | Convergent | Mgt. Relate |       | NA     | 370       | 185       |
| 1318 | 1318        | Best CEG  | 1998   | Photos | Stream Bank Failure | Headwall Swale | Convergent | Natural     |       | NA     | 648       | 162       |
| 1319 | 1319        | Best CEG  | 1998   | Photos | Stream Bank Failure |                | Plannar    | Natural     |       | NA     | 222       | 55        |
| 1320 | 1320        | Best CEG  | 1998   | Photos | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     |       | NA     | 11,740    | 2,935     |
| 1325 | 1325        | Best CEG  | 1998   | Photos | Road                | Inner Gorge    | Convergent | Mgt. Relate |       | NA     | 2,370     | 1,777     |
| 1331 | 1331        | Best CEG  | 1998   | Photos | Road                |                |            | Mgt. Relate |       | NA     | 111       | 0         |
| 1332 | 1332        | Best CEG  | 1984   | Photos | Hill Slope          |                |            | Natural     |       | NA     | 22        | 11        |
| 1333 | 1333        | Best CEG  | 1998   | Photos | Hill Slope          |                |            | Natural     |       | NA     | 15        | 7         |
| 1334 | 1334        | Best CEG  | 1998   | Photos | Hill Slope          |                |            | Natural     |       | NA     | 15        | 7         |
| 1335 | 1335        | Best CEG  | 1984   | Photos | Hill Slope          |                |            | Natural     |       | NA     | 222       | 199       |
| 1336 | 1336        | Best CEG  | 1984   | Photos | Hill Slope          |                |            | Natural     |       | NA     | 44        | 0         |
| 1337 | 1337        | Best CEG  | 1900   | Photos | Translational Slide |                |            | Natural     |       | NA     | 336,633   | 0         |
| 1338 | 1338        | Best CEG  | 1998   | Photos | Road                |                | Convergent | Mgt. Relate |       | NA     | 104       | 0         |
| 1339 | 1339        | Best CEG  | 1998   | Photos | Road                |                | Convergent | Mgt. Relate |       | NA     | 89        | 0         |
| 1340 | 1340        | Best CEG  | 1998   | Photos | Road                |                | Convergent | Mgt. Relate |       | NA     | 370       | 296       |
| 1341 | 1341        | Best CEG  | 1984   | Photos | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     |       | NA     | 4         | 4         |
| 1342 | 1342        | Best CEG  | 1984   | Photos | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     |       | NA     | 4         | 4         |
| 1343 | 1343        | Best CEG  | 1984   | Photos | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     |       | NA     | 267       | 53        |
| 1344 | 1344        | Best CEG  | 1984   | Photos | Road                | Headwall Swale | Convergent | Mgt. Relate |       | NA     | 556       | 277       |
| 1346 | 1346        | Best CEG  | 1984   | Photos | Road                |                | Convergent | Mgt. Relate |       | NA     | 67        | 33        |
| 1347 | 1347        | Best CEG  | 1984   | Photos | Skid Trail          |                | Convergent | Mgt. Relate |       | NA     | 67        | 33        |
| 1348 | 1348        | Best CEG  | 1998   | Photos | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     |       | NA     | 44        | 22        |
| 1349 | 1349        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 0         | 0         |
| 1362 | 1362        | Best CEG  | 1998   | Photos | Road                | Inner Gorge    | Convergent | Mgt. Relate |       | NA     | 4,074     | 1,018     |
| 1373 | 1373        | Best CEG  | 1900   | Photos | Translational Slide |                | N/A        | Natural     |       | NA     | 4,519,913 | 0         |
| 1377 | 1377        | Haschak   | 1984   | Field  | Road                | Headwall Swale | Convergent | Mgt. Relate | 75-84 | NA     | 556       | 0         |
| 1378 | 1378        | Haschak   | 1900   | Field  | Hill Slope          | Headwall Swale | Convergent | Natural     | 65-74 | Ш      | 2,222     | 555       |
| 1379 | 1379        | Haschak   | 1984   | Field  | Hill Slope          | Headwall Swale | Plannar    | Natural     | 65-74 | NA     | 417       | 0         |
| 1380 | 1380        | Haschak   | 1984   | Field  | Hill Slope          | Headwall Swale | Plannar    | Natural     | 65-74 | NA     | 417       | 0         |
| 1381 | 1381        | Haschak   | 1984   | Field  | Road                | Inner Gorge    | Convergent | Mgt. Relate | 75-84 | 1      | 778       | 0         |
| 1400 | 1400        | Haschak   | 1970   | Field  | Hill Slope          | Inner Gorge    | Plannar    | Natural     | 50-64 | Ш      | 46        | 41        |
| 1401 | 1401        | Haschak   | 1984   | Field  | Road                |                | Plannar    | Mgt. Relate | 50-64 | NA     | 1,736     | 173       |
| 1402 | 1402        | Haschak   | 1984   | Field  | Road                |                | Plannar    | Mgt. Relate | 50-64 | NA     | 23        | 0         |
| 1403 | 1403        | Haschak   | 1970   | Field  | Hill Slope          |                | Plannar    | Natural     | 30-49 | NA     | 23        | 0         |
| 1404 | 1404        | Haschak   | 1947   | Field  | Hill Slope          |                | Plannar    | Natural     | 30-49 | NA     | 30        | 0         |
| 1405 | 1405        | Haschak   | 1984   | Field  | Skid Trail          | Inner Gorge    | Convergent | Mgt. Relate | 50-64 | Ш      | 625       | 437       |
| 1406 | 1406        | Haschak   | 1984   | Field  | Hill Slope          |                | Convergent | Natural     | 50-64 | Ш      | 417       | 291       |
| 1407 | 1407        | Haschak   | 1900   | Field  | Hill Slope          |                | Plannar    | Natural     | 50-64 | П      | 417       | 208       |
| 1408 | 1408        | Haschak   | 1984   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 65-74 | П      | 119       | 119       |
| 1409 | 1409        | Haschak   | 1998   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 65-74 | П      | 93        | 93        |
| 1410 | 1410        | Haschak   | 1984   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 65-74 | П      | 119       | 119       |
| 1411 | 1411        | Haschak   | 1998   | Field  | Hill Slope          | Inner Gorge    | Plannar    | Natural     | 65-74 | П      | 1,333     | 1,199     |
| 1412 | 1412        | Haschak   | 1900   | Field  | Hill Slope          | -              | Divergent  | Natural     | 50-64 | Ш      | 1,481     | 296       |
| 1413 | 1413        | Haschak   | 1998   | Field  | Road                |                | Plannar    | Mgt. Relate | 50-64 | Ш      | 278       | 278       |
| 1414 | 1414        | Haschak   | 1970   | Field  | Skid Trail          | Inner Gorge    | Plannar    | Mgt. Relate | 65-74 | П      | 111       | 55        |
| 1415 | 1415        | Haschak   | 1947   | Field  | Hill Slope          | •              | Plannar    | Natural     | 50-64 | NA     | 400       | 0         |
|      |             |           |        |        | •                   |                |            |             |       |        |           |           |

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#### Planning Watershed Big Pepperwood Creek

| Mate   |      |             |           |        |        |                     |             |            |             |       |        |           |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----------|--------|--------|---------------------|-------------|------------|-------------|-------|--------|-----------|-----------|
| 1442   Flabrer   1988   Floid   Road   Innor Gorge   Mgt. Rolate   30.49   II   200   20   20   1381   1389   0   Unknown   Natural   0   0   14   15   15   15   15   15   15   15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Map# | <i>ID</i> # | Inspector | Year** | Source | Slide Type          | Slope Type  | Slope Form | Association | Slope | Stream | Total Yds | Delivered |
| 1496   Bast CEG   1998   Photos   Sream Bank Failure   Plannar   Natural   0   0   1539   1539   1539   0   Unknown   Natural   0   0   0   1540   1540   1540   0   0   Unknown   Natural   0   0   0   1540   1540   1540   0   0   Unknown   Natural   0   0   0   1541   1541   1542   1542   Bast CEG   1998   Photos   Hill Slope   Convergent   Natural   0   0   0   1547   1547   0   Unknown   Natural   0   0   0   1546   1546   1546   1546   0   0   Unknown   Natural   0   0   0   0   0   0   0   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1441 | 1441        | Fisher    | 1998   | Field  | Road                | Inner Gorge |            | Mgt. Relate | 30-49 | П      | 200       | 200       |
| 1538   1538   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1442 | 1442        | Fisher    | 1998   | Field  | Road                | Inner Gorge |            | Mgt. Relate | 30-49 | П      | 200       | 200       |
| 1539   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1496 | 1496        | Best CEG  | 1998   | Photos | Stream Bank Failure |             | Plannar    | Natural     |       |        | 434       | 216       |
| 1540   1540   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1538 | 1538        |           | 0      |        | Unknown             |             |            | Natural     |       |        | 0         | 0         |
| 1541   1541   1546   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1539 | 1539        |           | 0      |        | Unknown             |             |            | Natural     |       |        | 0         | 0         |
| 1542   1542   Best CEG   1998   Photos   Hill Slope   Convergent   Natural   14,052   10,53     1546   1548   Best CEG   1998   Photos   Road   Plannar   Mgt. Relate   266   61     1587   1584   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1587   1587   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1588   1588   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1590   1590   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1592   1592   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1612   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1613   1613   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1614   1614   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1616   1616   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1617   1617   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1617   1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1619   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1617   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   50   61     1619   1618   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   61  | 1540 | 1540        |           | 0      |        | Unknown             |             |            | Natural     |       |        | 0         | 0         |
| 1546                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1541 | 1541        |           | 0      |        | Unknown             |             |            | Natural     |       |        | 0         | 0         |
| 1584   1584   Best CEG   2004   Photos   Road   Plannar   Mgt. Relate   266   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261   261 | 1542 | 1542        | Best CEG  | 1998   | Photos | Hill Slope          |             | Convergent | Natural     |       |        | 14,052    | 10,538    |
| 1584   1584   Best CEG   2004   Photos   Road   Plannar   Mgt, Relate   256   251   257   257   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258   258 | 1546 | 1546        |           | 0      |        | Unknown             |             |            | Natural     |       |        | 0         | 0         |
| 1586   1586   1586   1587   1587   1587   1587   1587   1587   1587   1587   1587   1587   1587   1587   1587   1587   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   | 1547 | 1547        |           | 0      |        | Unknown             |             |            | Natural     |       |        | 0         | 0         |
| 1587   1587   1587   1587   1587   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   | 1584 | 1584        | Best CEG  | 1998   | Photos | Road                |             | Plannar    | Mgt. Relate |       |        | 426       | 212       |
| 1588   1588   1586   1589   1580   1589   1580   1589   1580   1589   1580   1589   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   1580   | 1586 | 1586        | Best CEG  | 2004   | Photos | Road                |             | Plannar    | Mgt. Relate |       |        | 256       | 63        |
| 1589   1589   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   144   145   1592   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   144   145   1592   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   144   145   1592   Best CEG   2004   Photos   Hill Slope   Plannar   Natural   144   146   1593   Plannar   Natural   144   146   1593   Plannar   Natural   144   1593   Plannar   Natural   144   1593   Plannar   Natural   144   1593   Plannar   Natural   144   1593   Plannar   Natural   145   Plannar  | 1587 | 1587        | Best CEG  | 2004   | Photos | •                   |             | Plannar    | Natural     |       |        | 50        | 0         |
| 1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   1590   | 1588 | 1588        | Best CEG  | 2004   | Photos |                     |             | Plannar    | Natural     |       |        | 50        | 0         |
| 1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   1592   | 1589 | 1589        | Best CEG  | 2004   | Photos | Hill Slope          |             | Plannar    | Natural     |       |        | 1,185     | 592       |
| 1612   1612   1612   1613   1613   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   1615   | 1590 | 1590        | Best CEG  | 2004   | Photos | Hill Slope          |             | Plannar    | Natural     |       |        | 144       | 0         |
| 1613   1613   1613   1614   1614   1614   1614   1614   1614   1614   1614   1614   1614   1614   1614   1614   1614   1614   1614   1614   1615   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   | 1592 | 1592        | Best CEG  | 2004   | Photos | Hill Slope          |             | Plannar    | Natural     |       |        | 50        | 0         |
| 1614   1614   Best CEG   2004   Photos   Stream Bank Failure   Plannar   Natural     256   100   1615   1615   Best CEG   2004   Photos   Hill Slope   Plannar   Natural     50   11   1616   1616   Best CEG   2004   Photos   Hill Slope   Plannar   Natural     50   12   1617   1617   Best CEG   2004   Photos   Hill Slope   Plannar   Natural     256   12   1628   1627   0   THP Site, no data   No Info.   0   1628   1628   0   THP Site, no data   No Info.   0   1629   1629   1629   0   THP Site, no data   No Info.   0   1630   1630   1630   0   THP Site, no data   No Info.   0   1631   1631   0   THP Site, no data   No Info.   0   1633   1631   0   THP Site, no data   No Info.   0   1634   1634   1634   0   THP Site, no data   No Info.   0   1634   1634   1634   0   THP Site, no data   No Info.   0   1634   1634   1634   0   THP Site, no data   No Info.   0   1634   1634   1634   0   THP Site, no data   No Info.   0   1638   1634   0   THP Site, no data   No Info.   0   1638   1634   0   THP Site, no data   No Info.   0   1639   1679   1679   0   THP Site, no data   No Info.   0   1648   1680   0   THP Site, no data   No Info.   0   1649   1679   1679   0   THP Site, no data   No Info.   0   1649   1679   1679   1679   0   THP Site, no data   No Info.   0   1649   1680   1680   0   THP Site, no data   No Info.   0   1649   1681   1681   1681   0   THP Site, no data   No Info.   0   1649   1681   1681   1681   0   THP Site, no data   No Info.   0   1649   1680   1680   0   THP Site, no data   No Info.   0   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649   1649 | 1612 | 1612        | Best CEG  | 1998   | Photos | Hill Slope          |             | Plannar    | Natural     |       |        | 144       | 0         |
| 1615   1615   1615   1615   1615   1615   1615   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   | 1613 | 1613        | Best CEG  | 2004   | Photos | Stream Bank Failure |             | Plannar    | Natural     |       |        | 144       | 108       |
| 1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   1616   | 1614 | 1614        | Best CEG  | 2004   | Photos | Stream Bank Failure |             | Plannar    | Natural     |       |        | 256       | 102       |
| 1617   1617   1617   1617   1617   1617   1617   1617   1617   1617   1617   1617   1617   1617   1617   1617   1618   1618   1628   0   THP Site, no data   No Info.   0   1628   1628   0   THP Site, no data   No Info.   0   161830   1630   0   THP Site, no data   No Info.   0   161831   1631   0   THP Site, no data   No Info.   0   161831   1631   0   THP Site, no data   No Info.   0   161832   0   THP Site, no data   No Info.   0   161832   0   THP Site, no data   No Info.   0   161833   1638   0   THP Site, no data   No Info.   0   161833   1638   1638   0   THP Site, no data   No Info.   0   161833   1638   1639   0   THP Site, no data   No Info.   0   161833   1639   1679   0   THP Site, no data   No Info.   0   161833   1639   1679   0   THP Site, no data   No Info.   0   161833   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   1639   | 1615 | 1615        | Best CEG  | 2004   | Photos | Hill Slope          |             | Plannar    | Natural     |       |        | 50        | 0         |
| 26   1627   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1616 | 1616        | Best CEG  | 2004   | Photos | Hill Slope          |             | Plannar    | Natural     |       |        | 50        | 12        |
| 1628   1628   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1617 | 1617        | Best CEG  | 2004   | Photos | Hill Slope          |             | Plannar    | Natural     |       |        | 256       | 127       |
| 1629   1629   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 26   | 1627        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1630                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1628 | 1628        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1631   1631   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1629 | 1629        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 25   1632   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1630 | 1630        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1631 | 1631        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1634                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25   | 1632        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1678         1678         0         THP Site, no data         No Info.         0         1679         1679         0         THP Site, no data         No Info.         0         1680         1680         0         THP Site, no data         No Info.         0         1681         1681         0         THP Site, no data         No Info.         0         1681         1681         0         THP Site, no data         No Info.         0         1681         1681         0         THP Site, no data         No Info.         0         0         1681         1743         1743         0         THP Site, no data         No Info.         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 17   | 1633        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1679         1679         0         THP Site, no data         No Info.         0         1680         1680         0         THP Site, no data         No Info.         0         1681         1681         0         THP Site, no data         No Info.         0         0         1681         1681         0         THP Site, no data         No Info.         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1634 | 1634        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1680         1680         0         THP Site, no data         No Info.         0         1681           1681         1681         0         THP Site, no data         No Info.         0         0           1743         1743         0         THP Site, no data         No Info.         0         0           1744         1744         0         THP Site, no data         No Info.         0         0           1745         1745         0         THP Site, no data         No Info.         0         0           1746         1746         0         THP Site, no data         No Info.         0         0           1748         1748         0         THP Site, no data         No Info.         0         0           1749         0         THP Site, no data         No Info.         0         0         0           1771         1771         0         THP Site, no data         No Info.         0         0         0           1772         1772         0         THP Site, no data         No Info.         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td>1678</td> <td>1678</td> <td></td> <td>0</td> <td></td> <td>THP Site, no data</td> <td></td> <td></td> <td>No Info.</td> <td></td> <td></td> <td>0</td> <td>0</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1678 | 1678        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1681         1681         0         THP Site, no data         No Info.         0         1743         1743         0         THP Site, no data         No Info.         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1679 | 1679        |           | 0      |        | ,                   |             |            | No Info.    |       |        | 0         | 0         |
| 1743       1743       0       THP Site, no data       No Info.       0       1744         1744       1744       0       THP Site, no data       No Info.       0       0         1745       1745       0       THP Site, no data       No Info.       0       0         1746       1746       0       THP Site, no data       No Info.       0       0         1748       1748       0       THP Site, no data       No Info.       0       0         1749       1749       0       THP Site, no data       No Info.       0       0         1771       1771       0       THP Site, no data       No Info.       0       0         1772       1772       0       THP Site, no data       No Info.       0       0         1773       1773       Haschak       2010       Field       Road       Convergent       Mgt. Relate 50-64       III       444       44         75       1774       Haschak       1984       Field       Translational Slide       Convergent       Natural       50-64       III       5,556       4,44         143       1775       Haschak       1998       Field       Stream Bank Failure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |           |        |        | •                   |             |            |             |       |        |           | 0         |
| 1744       1744       0       THP Site, no data       No Info.       0       1745         1745       1745       0       THP Site, no data       No Info.       0       0         1746       1746       0       THP Site, no data       No Info.       0       0         1748       1748       0       THP Site, no data       No Info.       0       0         1749       1749       0       THP Site, no data       No Info.       0       0         1771       1771       0       THP Site, no data       No Info.       0       0         1772       1772       0       THP Site, no data       No Info.       0       0         1773       1773       Haschak       2010       Field       Road       Convergent       Mgt. Relate       50-64       III       444       44         75       1774       Haschak       1984       Field       Translational Slide       Convergent       Natural       50-64       III       5,556       4,44         1143       1775       Haschak       1998       Field       Stream Bank Failure       Convergent       Natural       65-74       II       333       26         1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |             |           | 0      |        | ,                   |             |            | No Info.    |       |        |           | 0         |
| 1745       1745       0       THP Site, no data       No Info.       0       0       1746       1746       0       THP Site, no data       No Info.       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0 <td< td=""><td>1743</td><td>1743</td><td></td><td>0</td><td></td><td>THP Site, no data</td><td></td><td></td><td>No Info.</td><td></td><td></td><td>0</td><td>0</td></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1743 | 1743        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1746       1746       0       THP Site, no data       No Info.       0       1         1748       1748       0       THP Site, no data       No Info.       0       0         1749       1749       0       THP Site, no data       No Info.       0       0         1771       1771       0       THP Site, no data       No Info.       0       0         1772       1772       0       THP Site, no data       No Info.       0       0         1773       1773       Haschak       2010       Field       Road       Convergent       Mgt. Relate       50-64       III       444       444         75       1774       Haschak       1984       Field       Translational Slide       Convergent       Natural       50-64       III       5,556       4,44         143       1775       Haschak       1901       Field       Stream Bank Failure       Convergent       Natural       65-74       II       333       26         1777       1777       Haschak       1998       Field       Stream Bank Failure       Convergent       Natural       50-64       III       67       6         1778       1787       Haschak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1744 | 1744        |           | 0      |        | THP Site, no data   |             |            | No Info.    |       |        | 0         | 0         |
| 1748       1748       0       THP Site, no data       No Info.       0       0         1749       1749       0       THP Site, no data       No Info.       0       0         1771       1771       1771       0       THP Site, no data       No Info.       0       0         1772       1772       0       THP Site, no data       No Info.       0       0         1773       1773       Haschak       2010       Field       Road       Convergent       Mgt. Relate       50-64       III       444       444         75       1774       Haschak       1984       Field       Translational Slide       Convergent       Natural       50-64       III       5,556       4,444         143       1775       Haschak       1998       Field       Hill Slope       Plannar       Natural       65-74       II       333       26         1776       1777       Haschak       1998       Field       Stream Bank Failure       Convergent       Natural       50-64       II       556       556         1778       1778       Haschak       1998       Field       Stream Bank Failure       Inner Gorge       Plannar       Natural                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1745 | 1745        |           | 0      |        | ·                   |             |            | No Info.    |       |        | 0         | 0         |
| 1749       1749       0       THP Site, no data       No Info.       0       0         1771       1771       0       THP Site, no data       No Info.       0       0         1772       1772       0       THP Site, no data       No Info.       0       0         1773       1773       Haschak       2010       Field       Road       Convergent       Mgt. Relate       50-64       III       444       444         75       1774       Haschak       1984       Field       Translational Slide       Convergent       Natural       50-64       III       5,556       4,444         1143       1775       Haschak       1901       Field       Hill Slope       Plannar       Natural       65-74       II       333       26         1776       1776       Haschak       1998       Field       Stream Bank Failure       Convergent       Natural       50-64       II       556       556         1777       1777       Haschak       1998       Field       Stream Bank Failure       Inner Gorge       Plannar       Natural       75-84       II       67       66         1778       1779       Haschak       1959       Field <td></td> <td></td> <td></td> <td>0</td> <td></td> <td>•</td> <td></td> <td></td> <td>No Info.</td> <td></td> <td></td> <td>0</td> <td>0</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |           | 0      |        | •                   |             |            | No Info.    |       |        | 0         | 0         |
| 1771         1771         0         THP Site, no data         No Info.         0         0           1772         1772         0         THP Site, no data         No Info.         0         0           1773         1773         Haschak         2010         Field         Road         Convergent         Mgt. Relate         50-64         III         444         444           75         1774         Haschak         1984         Field         Translational Slide         Convergent         Natural         50-64         III         5,556         4,444           1143         1775         Haschak         1901         Field         Hill Slope         Plannar         Natural         65-74         II         333         26           1776         1776         Haschak         1998         Field         Stream Bank Failure         Convergent         Natural         50-64         II         556         556           1777         1777         Haschak         1998         Field         Stream Bank Failure         Inner Gorge         Plannar         Natural         75-84         II         67         66           1778         1779         Haschak         1959         Field         Hil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |           |        |        | ,                   |             |            |             |       |        | 0         | 0         |
| 1772         1772         0         THP Site, no data         No Info.         0         0           1773         1773         Haschak         2010         Field         Road         Convergent         Mgt. Relate         50-64         III         444         444           75         1774         Haschak         1984         Field         Translational Slide         Convergent         Natural         50-64         III         5,556         4,444           1143         1775         Haschak         1901         Field         Hill Slope         Plannar         Natural         65-74         II         333         26           1776         1776         Haschak         1998         Field         Stream Bank Failure         Convergent         Natural         50-64         II         556         556           1777         1777         Haschak         1998         Field         Stream Bank Failure         Inner Gorge         Plannar         Natural         75-84         II         67         66           1778         1779         Haschak         1959         Field         Hill Slope         Plannar         Natural         75-84         NA         2,222         1,11 <td< td=""><td></td><td></td><td></td><td>0</td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |             |           | 0      |        | •                   |             |            |             |       |        | 0         | 0         |
| 1773         1773         Haschak         2010         Field         Road         Convergent         Mgt. Relate         50-64         III         444         444           75         1774         Haschak         1984         Field         Translational Slide         Convergent         Natural         50-64         III         5,556         4,444           1143         1775         Haschak         1991         Field         Hill Slope         Plannar         Natural         65-74         II         333         26           1776         1776         Haschak         1998         Field         Stream Bank Failure         Convergent         Natural         50-64         II         556         55           1777         1777         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         67         66           1778         1779         Haschak         1959         Field         Hill Slope         Plannar         Natural         75-84         NA         2,222         1,11           1780         1780         Haschak         1959         Field         Translational Slide         Plannar         Natural         <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |           |        |        |                     |             |            |             |       |        |           | 0         |
| 75         1774         Haschak         1984         Field         Translational Slide         Convergent         Natural         50-64         III         5,556         4,444           1143         1775         Haschak         1901         Field         Hill Slope         Plannar         Natural         65-74         II         333         26           1776         1776         Haschak         1998         Field         Stream Bank Failure         Convergent         Natural         50-64         II         556         556           1777         1777         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         67         60           1778         1778         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         222         223           1779         1779         Haschak         1959         Field         Hill Slope         Plannar         Natural         75-84         NA         2,222         1,111           1780         1780         Haschak         1959         Field         Translational Slide         Plannar         N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |           |        |        |                     |             |            |             |       |        |           | 0         |
| 1143         1775         Haschak         1901         Field         Hill Slope         Plannar         Natural         65-74         II         333         26           1776         1776         Haschak         1998         Field         Stream Bank Failure         Convergent         Natural         50-64         II         556         556           1777         1777         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         67         6           1778         1778         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         222         222           1779         1779         Haschak         1959         Field         Hill Slope         Plannar         Natural         75-84         NA         2,222         1,11           1780         1780         Haschak         1959         Field         Translational Slide         Plannar         Natural         75-84         NA         8,889         4,444           1781         1781         Haschak         1959         Field         Translational Slide         Plannar         Natur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |             |           |        |        |                     |             | •          | •           |       |        |           | 444       |
| 1776         1776         Haschak         1998         Field         Stream Bank Failure         Convergent         Natural         50-64         II         556         550           1777         1777         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         67         6           1778         1778         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         222         22           1779         1779         Haschak         1959         Field         Hill Slope         Plannar         Natural         75-84         NA         2,222         1,11           1780         1780         Haschak         1959         Field         Translational Slide         Plannar         Natural         75-84         NA         8,889         4,44           1781         1781         Haschak         1959         Field         Translational Slide         Inner Gorge         Plannar         Natural         65-74         I         2,500         2,500           1783         1783         Haschak         1984         Field         Translational Slide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |             |           |        |        |                     |             | -          |             |       |        |           | 4,444     |
| 1777         1777         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         67         66           1778         1778         Haschak         1998         Field         Stream Bank Failure Inner Gorge         Plannar         Natural         75-84         II         222         223           1779         1779         Haschak         1959         Field         Hill Slope         Plannar         Natural         75-84         NA         2,222         1,113           1780         1780         Haschak         1959         Field         Translational Slide         Plannar         Natural         75-84         NA         8,889         4,444           1781         1781         Haschak         1959         Field         Translational Slide         Inner Gorge         Plannar         Natural         65-74         I         2,500         2,500           1783         1783         Haschak         1984         Field         Translational Slide         Plannar         Natural         50-64         II         1,111         1,111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |           |        |        | •                   |             |            |             |       |        |           | 267       |
| 1778       1778       Haschak       1998       Field       Stream Bank Failure Inner Gorge       Plannar       Natural       75-84       II       222       223         1779       1779       Haschak       1959       Field       Hill Slope       Plannar       Natural       75-84       NA       2,222       1,11         1780       1780       Haschak       1959       Field       Translational Slide       Plannar       Natural       75-84       NA       8,889       4,44         1781       1781       Haschak       1959       Field       Translational Slide       Inner Gorge       Plannar       Natural       65-74       I       2,500       2,500         1783       1783       Haschak       1984       Field       Translational Slide       Plannar       Natural       50-64       II       1,111       1,111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |           |        |        |                     |             | -          |             |       |        |           | 556       |
| 1779         1779         Haschak         1959         Field         Hill Slope         Plannar         Natural         75-84         NA         2,222         1,11           1780         1780         Haschak         1959         Field         Translational Slide         Plannar         Natural         75-84         NA         8,889         4,44           1781         1781         Haschak         1959         Field         Translational Slide         Inner Gorge         Plannar         Natural         65-74         I         2,500         2,500           1783         1783         Haschak         1984         Field         Translational Slide         Plannar         Natural         50-64         II         1,111         1,111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |             |           |        |        |                     | · ·         |            |             |       |        |           | 67        |
| 1780         1780         Haschak         1959         Field         Translational Slide         Plannar         Natural         75-84         NA         8,889         4,444           1781         1781         Haschak         1959         Field         Translational Slide         Inner Gorge         Plannar         Natural         65-74         I         2,500         2,500           1783         1783         Haschak         1984         Field         Translational Slide         Plannar         Natural         50-64         II         1,111         1,111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |           |        |        |                     | Inner Gorge |            |             |       |        |           | 222       |
| 1781 1781 Haschak1959FieldTranslational SlideInner GorgePlannarNatural65-74I2,5002,5001783 1783 Haschak1984FieldTranslational SlidePlannarNatural50-64II1,1111,111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |           |        |        | •                   |             |            |             |       |        |           | 1,111     |
| 1783 1783 Haschak 1984 Field Translational Slide Plannar Natural 50-64 II 1,111 1,111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |             |           |        |        |                     |             |            |             |       |        |           | 4,444     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |           |        |        |                     | Inner Gorge |            |             |       |        |           | 2,500     |
| 1784 1784 Haschak 1984 Field Stream Bank Failure Inner Gorge Plannar Natural 50-64 II 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |             |           |        |        |                     |             |            |             |       |        |           | 1,111     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1784 | 1784        | Haschak   | 1984   | Field  | Stream Bank Failure | Inner Gorge | Plannar    | Natural     | 50-64 | II     | 0         | 0         |

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### Planning Watershed Big Pepperwood Creek

| Map#                                                              | <i>ID</i> # | Inspector | Year** | Source | Slide Type          | Slope Type     | Slope Form | Association | Slope | Stream | Total Yds | Delivered |
|-------------------------------------------------------------------|-------------|-----------|--------|--------|---------------------|----------------|------------|-------------|-------|--------|-----------|-----------|
| 1785                                                              | 1785        | Haschak   | 1984   | Field  | Stream Bank Failure | Inner Gorge    |            | Natural     | 50-64 |        | 0         | 0         |
| 1800                                                              | 1800        | Haschak   | 2010   | Field  | Road                |                | Convergent | Mgt. Relate | 50-64 | Ш      | 625       | 0         |
| 1829                                                              | 1829        | Haschak   | 2010   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 75-84 | П      | 556       | 556       |
| 1875                                                              | 1875        | Pehl      | 1901   | Field  | THP Site, no data   |                |            | No Info.    |       |        | 0         |           |
| 1901                                                              | 1901        | Haschak   | 1984   | Field  | Unknown             |                | Plannar    | Natural     | 65-74 | NA     | 333       | 0         |
| 1902                                                              | 1902        | Haschak   | 1984   | Field  | Skid Trail          |                | Plannar    | Mgt. Relate | 50-64 | NA     | 278       | 83        |
| 1903                                                              | 1903        | Haschak   | 1900   | Field  | Translational Slide |                | Plannar    | Natural     | 75-84 | Ш      | 1,111     | 0         |
| 1904                                                              | 1904        | Haschak   | 1984   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 50-64 | II     | 333       | 167       |
| 1905                                                              | 1905        | Haschak   | 1984   | Field  | Hill Slope          | Inner Gorge    | Plannar    | Natural     | 65-74 | II     | 185       | 185       |
| 1906                                                              | 1906        | Haschak   | 1959   | Field  | Hill Slope          | Inner Gorge    |            | Natural     | 65-74 |        | 625       | 438       |
| 1907                                                              | 1907        | Haschak   | 1930   | Field  | Hill Slope          | Inner Gorge    | Plannar    | Natural     | 65-74 | П      | 1,250     | 1,125     |
| 1908                                                              | 1908        | Haschak   | 1998   | Field  | Hill Slope          |                | Plannar    | Natural     | 50-64 | NA     | 296       | 0         |
| 1909                                                              | 1909        | Haschak   | 1984   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 85+   | П      | 556       | 556       |
| 1910                                                              | 1910        | Haschak   | 1970   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 75-84 | 1      | 417       | 417       |
| 1911                                                              | 1911        | Haschak   | 1998   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 75-84 | 1      | 278       | 278       |
| 1912                                                              | 1912        | Haschak   | 1984   | Field  | Skid Trail          | Inner Gorge    | Plannar    | Mgt. Relate | 65-74 | 1      | 556       | 444       |
| 1913                                                              | 1913        | Haschak   | 1984   | Field  | Skid Trail          | Inner Gorge    | Plannar    | Mgt. Relate | 65-74 | 1      | 556       | 444       |
| 1914                                                              | 1914        | Haschak   | 1959   | Field  | Unknown             | Inner Gorge    | Convergent | Natural     | 75-84 | 1      | 556       | 556       |
| 1915                                                              | 1915        | Haschak   | 1998   | Field  | Unknown             | Inner Gorge    |            | Natural     | 65-74 |        | 222       | 222       |
| 1917                                                              | 1917        | Haschak   | 1984   | Field  | Unknown             | Inner Gorge    | Plannar    | Natural     | 75-84 | II     | 1,875     | 1,500     |
| 1918                                                              | 1918        | Haschak   | 1998   | Field  | Unknown             | Inner Gorge    | Convergent | Natural     | 65-74 | Ш      | 185       | 185       |
| 1920                                                              | 1920        | Haschak   | 2010   | Field  | Road                | Headwall Swale | Convergent | Mgt. Relate | 50-64 | Ш      | 400       | 360       |
| 1946                                                              | 1946        | Haschak   | 1959   | Field  | Unknown             | Inner Gorge    | Plannar    | Natural     | 65-74 | П      | 347       | 243       |
| 1947                                                              | 1947        | Haschak   | 2004   | Field  | Stream Bank Failure | Inner Gorge    | Plannar    | Natural     | 75-84 | II     | 278       | 278       |
| 1959                                                              | 1959        | Haschak   | 1900   | Field  | Translational Slide |                | Convergent | Natural     | 65-74 | Ш      | 463       | 231       |
| 1960                                                              | 1960        | Haschak   | 1900   | Field  | Translational Slide |                | Convergent | Natural     | 65-74 | Ш      | 463       | 231       |
| 1961                                                              | 1961        | Haschak   | 1984   | Field  | Hill Slope          |                | Plannar    | Natural     | 50-64 | П      | 44        | 11        |
| 1962                                                              | 1962        | Haschak   | 1984   | Field  | Hill Slope          | Inner Gorge    | Plannar    | Natural     | 50-64 | П      | 556       | 278       |
| 1963                                                              | 1963        | Haschak   | 1984   | Field  | Hill Slope          |                | Convergent | Natural     | 50-64 | NA     | 278       | 0         |
| 1964                                                              | 1964        | Haschak   | 1984   | Field  | Hill Slope          |                | Convergent | Natural     | 65-74 | NA     | 417       |           |
| 1965                                                              | 1965        | Haschak   | 1984   | Field  | Hill Slope          |                | Convergent | Natural     | 50-64 | NA     | 185       | 0         |
| 1967                                                              | 1967        | Haschak   | 2010   | Field  | Translational Slide |                | Convergent | Natural     | 50-64 | Ш      | 6,250     | 3,125     |
| Summary for 'PW Name' = Big Pepperwood Creek (351 detail records) |             |           |        |        |                     |                |            |             |       |        |           |           |
|                                                                   |             |           |        |        | Deliver             | y Avg          | 803 Min    | <b>0</b> ]  | Max   | 14,73  | 1 Sum     | 280,346   |

<sup>\*</sup>Landslide information for this report comes from two main sources, aerial photo analysis or field observations. Information about a landslide is entered into a database and the Slide ID number is entered into GIS and appears on the maps. Information about landslides entered by professionals other than a licensed geologist should be considered as informational until reviewed by a licensed geologist.

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<sup>\*\*</sup>Tim Best, CEG analyzed six sets of aerial photos to identify landslides (1947, 1959, 1970, 1984, 1998 and 2004). The year in this report is usually the year of the photos on which the slide was first observed. If the year is 1900 it means the slide is ancient. If the year is 1930 means the slide was old in the 1947 photos. If the year is 2010 it means the slide occurred after the most recent photos in 2004.

# Aquatic Assessment Copper Top Timber Harvest Plan

## **Subbasin Profiles and Synthesis**

### 5.1 Gualala River Estuary

### 5.1.1 Introduction

The Gualala River Estuary/lagoon is within the Big Pepperwood Creek Planning Watershed (10.2 square miles within the Lower South Fork Gualala River Super Planning Watershed), and is located approximately 0.5 miles south of the town of Gualala. During summer months, a sand bar typically forms across the mouth of the estuary which blocks the flow of tidewater, creating a coastal lagoon. Currently, the Gualala River Watershed Council has a grant for a two-year estuary study that includes the mainstem up to the confluence with the North Fork. The full extent of tidal influence on the mainstem will be further described by that study.

Estuaries and coastal lagoons are critical habitats for all anadromous salmonids by linking freshwater and marine environments. The mixing of sea and fresh waters creates conditions well suited for the anadromous life history strategies of coho salmon and steelhead trout. Coho salmon and steelhead trout pass through the estuary as juveniles during their seaward migrations and again as adults, swimming upstream to their freshwater spawning grounds. The brackish water of the estuary provides an important area where coho salmon and steelhead trout acclimate to changes in salinity as they move between the freshwater and marine environments.

Estuaries also are considered important nursery grounds due to high productivity and isolation from predators. Studies have revealed that juvenile salmonids utilizing estuaries for three months or more return to their natal stream at a higher rate than non-estuarine reared siblings (Riemers 1975). Juvenile salmonids may extend their estuarine residency to utilize the sheltered and food rich environments.

The Sotoyome Resource Conservation District, in partnership with the Gualala River Watershed Council, was awarded a \$150,000 grant by the California Coastal Conservancy to perform an assessment and to develop an enhancement plan for the estuary. This project will assess the physical and biological conditions of the estuary and lower river from the confluence with the North Fork, ascertain the estuary's importance to the life history strategies of salmonids, and determine how existing conditions may be impairing aquatic productivity. Enhancement recommendations based on the findings will be a final product.

### 5.1.2 GEOLOGY

The estuary occupies the mainstem of the Gualala River. At times in during the Holocene, the estuary probably extended at least one mile up the North and South Forks. The mainstem cross cuts a series of Pleistocene marine terraces. The marine terraces record one stage of late-Pliocene to early Quaternary uplift with considerable local deformation and at least three stages of regional uplift during the Quaternary. Localized folding that occurred until the mid-Quaternary is evident in those terraces.

#### 5.1 Gualala Estuary

One well log comprises the subsurface sedimentological record adjacent to the estuary. Relatively extensive subsurface exploration was conducted one mile upstream at the confluence with the North Fork.

The marine terraces developed as follows:

- Late Pliocene-Early Quaternary (500,000- 5,000,000 years old)- uplift and topographic inversion of Pliocene basin in which Ohlson Ranch Formation accumulated. This formed flat-topped ridges throughout central basin.
- Older Quaternary (500,000 years old) regional uplift along San Andreas Fault with local vertical deformation elevated marine terraces to over 600 feet above current sea level.
- Subsequently or concurrently, those strata were folded or faulted such that terraces north of the mainstem are 200 feet higher than presumably equivalent terraces on the south side. Folds may correlate across the San Andreas Fault with uplifted and subsided areas. An anticline, north of the mainstem, predates older Quaternary terrace that cut across both fold core (Anchor Bay Fm) and carapace (German Rancho Fm); however, continued folding may have occurred. The west face of the anticline north of the river is deeply incised with close-spaced gulches, while the east face is steeper and has fewer drainages that are not incised. This anomalous pattern probably indicates additional fold growth since emergence.
- Younger Quaternary (83,000-100,000 years old) regional uplift elevated the lowest emerged marine terrace 130 feet above current sea level without additional local vertical deformation; fold growth had ceased. At Fort Ross, slip along the San Andreas Fault since the formation of this terrace has been estimated at 0.9 miles (Prentice and others 2000).
- Late Quaternary and early Holocene (about 20,000-10,000 years ago)-sea level dropped during the last global ice age and a marine terrace formed. That terrace lies offshore about 200 feet below current sea level. It is undetermined how much uplift has occurred since the formation of the terrace.
- Holocene- sea level rise and valley filling of the mainstem and estuary.

The valley of the mainstem is the only watergap across the otherwise continuous ridge that separates the watershed from the ocean. Flow through the mainstem was probably established during the Pleistocene marine low-stand when relative sea level was about 200 feet lower than today. One well located about 100 feet south of and 20 feet higher than the mainstem was drilled to 50 feet in depth and revealed brown, black, and blue clay throughout. Bedrock was not encountered. Subsurface information at Elk Prairie (about one mile upstream) at the mouth of the North Fork reveals that the paleo-valley there is nearly 200 feet deep. Thus, the paleo-valley underlying the estuary may also be 200 feet deep. This depth corresponds to the elevation of a submerged marine terrace just off shore, which probably defined base level at the time of paleo-valley development. The well logs at Elk Prairie and adjacent to the estuary both show considerable history of clay deposition indicative of low energy environments, probably estuarine, that extended from the ocean to at least Elk Prairie. Thus, the estuary migrated back and forth from at least Elk Prairie to somewhat off the modern shoreline depending on the interplay of sea level rise and tectonic uplift. Subsurface well logs are not available for the South Fork. However, the estuary may have extended upstream on the South Fork as well as the North Fork.

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## 5.1.3 RIPARIAN VEGETATION

The riparian likely consisted of alders with a redwood over story along the upper estuary above the Highway 1 bridge. Most available photos of the lower estuary were taken after the redwood mill was built, which was located on the flat area on the northwest side of the bridge. It is undetermined if the area was cleared or was scrub naturally.

Wetlands are primarily located on the south side of the estuary towards the ocean, where saltgrass (*Distichlis spicata*) and salt rush (*Juncus lesueurii*) have been observed. Sea rocket (*Cakile spp*) and beach verbena (*Abronia spp*) grow on the dunes between the estuary and beach. Coyote bush (*Baccharis pilularis*) appears to be dominant on the drier, less saline soil located on the southwest landward side (Table 5.1-1).

**Table 5.1-1**Riparian Vegetation Inventory of the Gualala River Estuary/Coastal Lagoon, February 2002

| Common Name               | Scientific Name          |
|---------------------------|--------------------------|
| North S                   | Side of Estuary          |
| Lupine                    | Lupines spp.             |
| Fennel                    | Foeniculum vulgare       |
| Himalaya Berry            | Rebus thrysauthus        |
| California Blackberry     | Rubus vitifolius         |
| Thimble Berry             | Rubus parviflorus        |
| Coyote brush              | Baccharis pilularus      |
| Rush                      | Juncus spp.              |
| Pennyroyal                | Mentha spp.              |
| Teasel                    | Dipsacus fullonum        |
| Horsetail                 | Equisetem spp.           |
| Swordfern                 | Polystichum munitum      |
| Mugwort                   | Artemisia douglasiana    |
| Bull Thistle              | Cirsium vulgare          |
| Cow Parsnips              | Heracleum lanatum        |
| Stinging Nettle           | Urtica gracilis          |
| Dead Nettle               | Lamium spp.              |
| Small Flowered Nightshade | Solanum spp.             |
| Stachys                   | Stachys spp.             |
| Wild Radish               | Raphanus sativus         |
| Yarrow                    | Achillea millefolium     |
| Horseweed                 | Conyza spp.              |
| Alder                     | Alnus rubra              |
| Poison Hemlock            | Conium maculatum         |
| English Ivy               | Hedera helix             |
| Bay Laurel                | Umbellularia californica |
| Dock                      | Rumex spp.               |
| Nut Sedge                 | Cyperus spp.             |

#### 5.1 Gualala Estuary

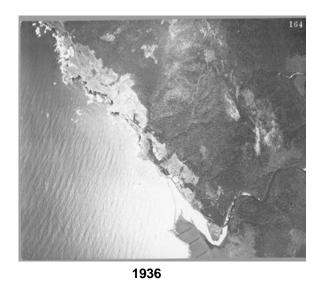
**Table 5.1-1**Riparian Vegetation Inventory of the Gualala River Estuary/Coastal Lagoon, February 2002

| Common Name           | Scientific Name      |
|-----------------------|----------------------|
| North Side            | e of Estuary (con't) |
| Grass perennial       |                      |
| Reed (water)          |                      |
| South                 | Side of Estuary      |
| Lupine                | Lupines spp.         |
| Coyote brush          | Baccharis pilularus  |
| Teasel                | Dipsacus fullonum    |
| California Iris       | Iris douglasiana     |
| Pacific Madrone       | Arbutus edulis       |
| Grand Fir             | Abies grandis        |
| Swordfern             | Polystichum munitum  |
| Rush                  | Juncus spp.          |
| Grass perennial       |                      |
| Nut Sedge             | Cyperus spp.         |
| Dock                  | Rumex spp.           |
| Stinging Nettle       | Urtica gracilis      |
| Thimble Berry         | Rubus parviflorus    |
| Alder                 | Alnus rubra          |
| Poison Hemlock        | Conium maculatum     |
| Horsestail            | Equisetem spp.       |
| Dead Nettle           | Lamium spp.          |
| California Blackberry | Rubus vitifolius     |
| Bull Thistle          | Cirsium vulgare      |
|                       | Island               |
| Pampas Grass          | Cortaderia jubata    |
| Dunegrass             | Unsure               |
| Reed (water)          | Unsure               |
| Iceplant              | Carpobrotus edulis   |
| Lupine                | Lupines spp.         |
| Plantain              | Plantago lanceolata  |
| Coyote brush          | Baccharis pilularus  |
| Sand Verbena          | Abronia latifolia    |
| Yarrow                | Achillea millefolium |

## **5.1.4 LAND USE**

A lumber mill operated at the mouth of the estuary in the 1860s to the early 1900s. Photos from 1936 show the abandoned mill site with minimal development around the estuary. The town of Gualala consisted of several buildings accessed by a dirt road. These photos showed an aggraded stream channel (Figure 5.1-1). Most of the central and upper reaches of the watershed still consisted of virgin

old growth at this time. During the late 1950s, a second mill complex was built near the confluence with the North Fork. Road development along the coastal plateau, a highway bridge and artificial breaching of the bar may have influenced the physical structure of the estuary through actual physical modifications. Commercial, recreational, and residential development characterizes current land use around the estuary (Figure 5.1-2).



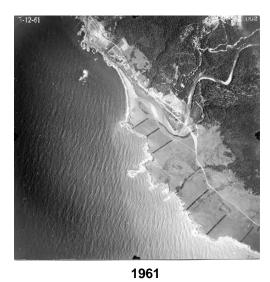


Figure 5.1-1
Aerial Photos of the Gualala River Estuary in 1936 and 1961





Figure 5.1-2
Aerial Photos of the Gualala River Estuary in 1981 and 1999

## 5.1.5 FISH HABITAT RELATIONSHIP

Several fish species occupy the estuary, particularly for reproduction and early stages of their life cycle. Some species deposit eggs or give live birth directly in estuaries, while others have evolved mechanisms

#### 5.1 Gualala Estuary

which help the delivery of their young into estuaries by ocean tides or riverine currents which assist in the transition from a freshwater to marine water environment. Fish including salmonids that utilize estuaries for an important part of their life cycle are estuarine-dependant. The estuarine rearing is a strategy that adds diversity to juvenile salmonid life history patterns and likely increases the odds for survival of a species encountering a wide range of environmental conditions in both the freshwater and marine environments. An extended estuarine residency may be especially beneficial for salmonids from rivers where low summer flows or warm water temperatures limit summer rearing habitat.

Fish presence observations in the 1980s were summarized in *An Account of the Fishes Caught in the Lower Gualala River, California, 1984 through 1986* (Brown 1986): "Sampling occurred at seven stations, two upstream of the Highway 1 bridge."..."We caught seven species of fishes in the Gualala Estuary and lower river. Steelhead trout were caught at all stations. Roach, coastrange and prickly sculpin were caught at lower river and upper estuary stations. Starry flounder and Pacific staghorn sculpin were only caught in the lower estuary near the ocean. Threespine stickleback were caught in the lower river and upper to mid-estuary."..."Steelhead trout were larger in the fall than in the spring at mid-estuary stations, but larger in the spring at lower estuary stations."

### 5.1.6 SUBBASIN ISSUE SYNTHESIS AND RECOMMENDATIONS

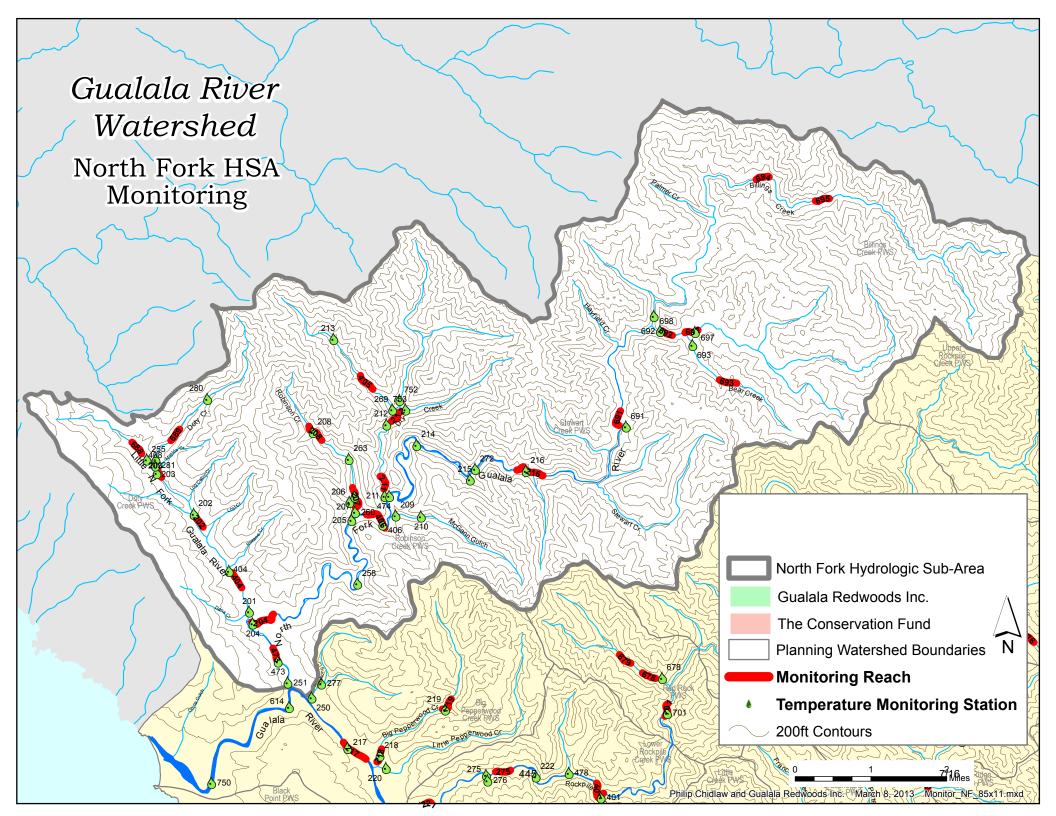
The term "issues" is used here in a generic sense to denote any topic of interest, concern, import, or relevance to the watershed assessment. As such, issues can be direct limitations on salmonid suitability, potential factors for consideration, concerns regarding potential practices, suggestions, or observations of the data that are particularly relevant to the development of hypotheses and recommendations.

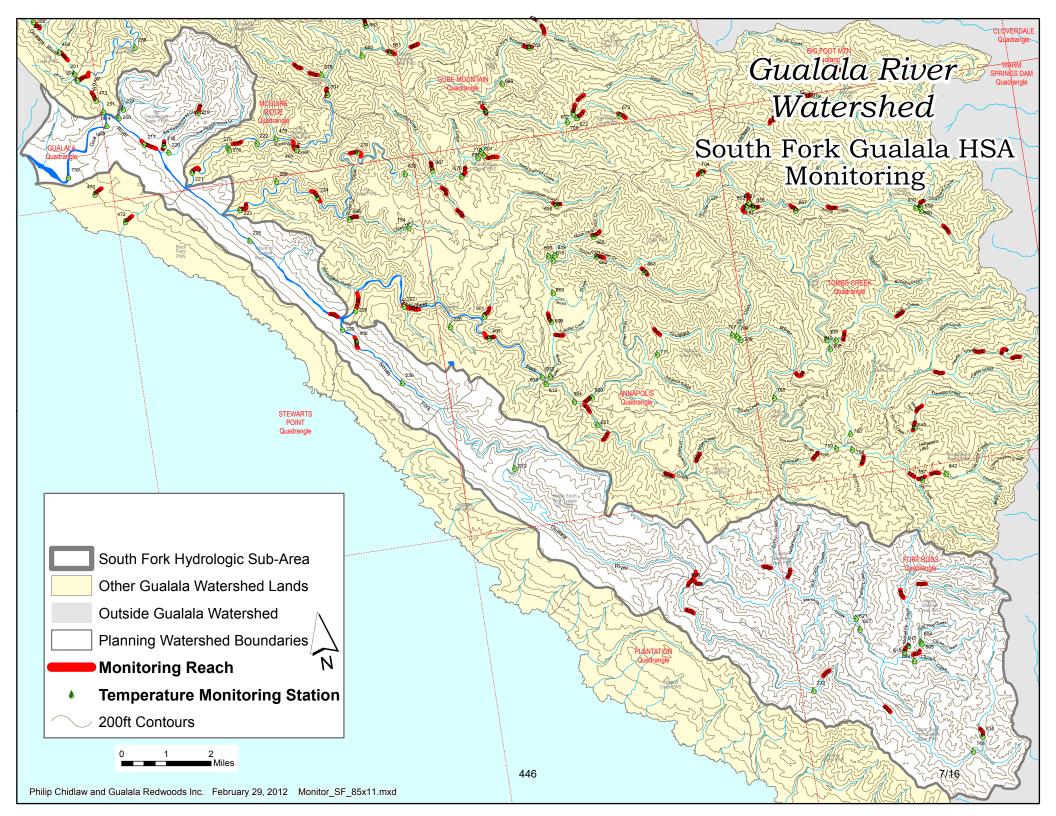
- Has the estuary filled in since the turn of the century due to sedimentation from logging?
- What is the role of the Gualala River Estuary with respect to salmonid abundance and distribution, especially regarding it use as habitat for steelhead trout and coho salmon?
- What factors may be limiting coho salmon and steelhead trout production in the estuary?

## Working Hypotheses

No hypotheses have been developed. This section will be revised upon completion of the estuary study.

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# Stream Monitoring Report

Ownerships: All Visit Purpose: All

Planning Watersheds: Big Pepperwood Creek

| Stati<br>Num |      | Miles<br>Up | Year   | Tempe               |      |                | Bank Full<br>Ft or >10 CuF | Subs        | trate |       | ambed<br>alweg) |               | Ripa       | rian Z        | <b>Zone</b>     |      | or Redds<br>er Mile |    |                 | Aquati<br>invert | ic<br>ebrate       | es |
|--------------|------|-------------|--------|---------------------|------|----------------|----------------------------|-------------|-------|-------|-----------------|---------------|------------|---------------|-----------------|------|---------------------|----|-----------------|------------------|--------------------|----|
| Nar          | ne S | Stream      | l      | Seasonal<br>Maximum | MWAT | CuFt/<br>1000' | Pieces/<br>1000'           | >0.85<br>mm | D50   | Slope | VI A/D          | Canop<br>WLPZ | y %<br>Cr. | Basal<br>Area | Tallest<br>Tree | Coho | SH Redds<br>(1+)    |    | ss Hil<br>npson |                  | % Dor<br>sian R In |    |
| Hyd          | rolo | gic U       | nit    |                     | SF   | Gualal         | a                          |             |       |       |                 |               |            |               |                 |      |                     |    | <u>'</u>        |                  |                    |    |
| Strea        | m    |             | Big Pe | pperwood            |      |                |                            |             |       |       |                 |               |            |               |                 |      |                     |    |                 |                  |                    |    |
|              | Ppw3 | 0.15        | 1994   | 15.9                | 14.4 |                |                            |             |       |       |                 |               |            |               |                 |      |                     |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 1995   | 16.5                | 15.0 |                |                            |             |       |       |                 |               |            |               |                 |      |                     |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 1996   | 16.2                | 14.3 |                |                            |             |       |       |                 |               |            |               |                 |      |                     |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 1997   | 17.3                | 15.6 |                |                            |             |       |       |                 |               |            |               |                 |      |                     |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 1998   | 17.2                | 15.2 | 2,49           | 0 88                       |             | 41    | 1.4%  | 14              |               |            |               |                 | 0    | 153                 |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 1999   | 15.9                | 14.4 | 2,32           | 4 84                       |             | 30    | 1.5%  | 13 -0.3         | 1 90%         | 88%        | 6 323         | 3 105           | 0    | 132                 |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 2000   | 16.2                | 14.5 |                |                            |             |       |       |                 |               |            |               |                 | 0    | 21                  | 32 | 0.79            | 4.7              | 15                 | 39 |
| 218          | Ppw3 | 0.15        | 2001   |                     |      |                |                            |             |       |       |                 |               |            |               |                 | 0    | 48                  |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 2002   | 15.6                | 14.1 | 6,53           | 9 150                      |             | 45    | 1.4%  | 13 -0.6         | 8 96%         | 87%        | 6 563         | 87              | 0    | 37                  |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 2003   | 15.5                | 14.1 | 7,31           | 0 153                      |             | 35    | 1.4%  | 16 -1.1         |               |            |               |                 |      |                     |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 2004   | 16.0                | 14.7 | 8,16           | 1 153                      |             | 28    | 1.4%  | 15 -1.0         | 2             |            |               |                 | 0    | 28                  |    |                 |                  |                    |    |
|              | Ppw3 |             | 2005   | 15.6                | 14.2 | 8,11           |                            |             | 37    | 1.4%  | 17 -1.1         |               |            |               |                 |      |                     |    |                 |                  |                    |    |
|              | Ppw3 |             | 2006   |                     |      | 10,32          | 7 180                      |             | 22    | 1.6%  | 16 -1.2         |               |            |               |                 |      |                     |    |                 |                  |                    |    |
|              | Ppw3 |             | 2007   |                     |      | 10,37          |                            |             | 35    | 1.5%  | 15 -1.1         |               |            |               |                 |      |                     |    |                 |                  |                    |    |
|              | Ppw3 |             | 2008   | 15.9                | 14.8 | 10,35          |                            |             | 31    | 1.5%  | 17 -1.2         |               | 87%        | 6             |                 | 0    | 5                   |    |                 |                  |                    |    |
|              | Ppw3 |             | 2009   | 15.4                | 14.3 | 10,73          |                            |             | 38    | 1.5%  | 16 -1.1         |               |            |               |                 | 0    | 84                  |    |                 |                  |                    |    |
| -            | Ppw3 |             | 2010   | 14.6                | 13.2 | 10,88          |                            |             | 33    | 1.5%  | 15 -1.1         |               |            |               |                 |      |                     |    |                 |                  |                    |    |
|              | Ppw3 |             | 2011   | 14.8                | 13.5 | 11,22          |                            |             | 38    | 1.5%  | 16 -1.3         |               | 87%        | 6             |                 |      | 153                 |    |                 |                  |                    |    |
| 218          | Ppw3 |             | 2012   | 14.7                | 13.5 | 11,20          |                            |             | 21    | 1.5%  | 17 -1.4         |               |            |               |                 | 0    |                     |    |                 |                  |                    |    |
| 218          | Ppw3 |             | 2013   | 16.1                | 14.9 | 11,26          |                            |             | 25    | 1.5%  | 15 -1.5         |               |            |               |                 | 0    | 58                  |    |                 |                  |                    |    |
|              | Ppw3 |             | 2014   | 15.7                | 14.8 | 11,37          |                            |             | 24    | 1.3%  | 15 -1.5         |               |            |               |                 | 0    | 32                  |    |                 |                  |                    |    |
|              | Ppw3 |             | 2015   | 16.2                | 15.2 | 11,24          |                            |             | 27    | 1.6%  | 13 -1.3         |               |            |               | 3 184           | 0    | 42                  |    |                 |                  |                    |    |
|              | Ppw3 |             | 2016   | 14.9                | 13.8 | 11,12          |                            |             | 30    | 1.5%  | 13 -1.8         |               |            |               |                 |      |                     |    |                 |                  |                    |    |
|              | Ppw3 |             | 2017   | 16.0                | 15.5 | 11,46          |                            |             | 26    | 1.4%  | 13 -1.7         |               | 91%        | <b>′</b> 0    |                 | 0    | 0                   |    |                 |                  |                    |    |
| -            | Ppw3 |             | 2018   | 14.5                | 13.9 | 11,28          |                            |             | 28    | 1.4%  | 14 -1.8         |               | 000        | ,             |                 | 0    | 16                  |    |                 |                  |                    |    |
|              | Ppw3 |             | 2019   | 16.5                | 15.3 | 12,97          |                            |             | 25    | 1.7%  | 12 -0.3         |               |            |               |                 |      |                     |    |                 |                  |                    |    |
| 218          | Ppw3 |             | 2020   | 16.4                | 15.4 | 13,16          |                            |             | 28    | 1.7%  | 10 -0.1         |               |            |               |                 |      |                     |    |                 |                  |                    |    |
| 218          | Ppw3 | 0.15        | 2021   | 14.1                | 13.7 | 13,00          | 5 335                      |             | 31    | 1.7%  | 9 -0.2          | 6 91%         | 91%        | <b>′</b> 0    |                 |      |                     |    |                 |                  |                    |    |

|              | ion N                     | Miles<br>Up | Year     | Tempe               |                     |                | Bank Full<br>Ft or >10 CuFt |             | trate | Stre<br>(Th |    |       | F             | Ripari | ian Z         | one             |   | or Redds<br>er Mile |        |      | quatio |    | <br>S       |
|--------------|---------------------------|-------------|----------|---------------------|---------------------|----------------|-----------------------------|-------------|-------|-------------|----|-------|---------------|--------|---------------|-----------------|---|---------------------|--------|------|--------|----|-------------|
|              |                           | tream       |          | Seasonal<br>Maximum | MWAT                | CuFt/<br>1000' | Pieces/<br>1000'            | >0.85<br>mm | D50   |             |    |       | Canop<br>WLPZ | y % E  | Basal<br>Area | Tallest<br>Tree |   | SH Redds<br>(1+)    | Richne |      | enhoff |    | inant       |
| 218          | Ppw3                      | 0.15        | 2022     | 14.9                | 14.4                | 13,53          | 5 335                       |             | 26    | 1.7%        | 14 | -0.32 | 92%           | 90%    |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 1994     | 17.2                | 14.6                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 1995     | 17.0                | 14.9                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 1996     | 16.7                | 14.7                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 1997     | 17.8                | 15.0                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 1998     | 17.3                | 14.9                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 2009     | 14.3                | 13.5                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 2011     | 14.1                | 13.1                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 2012     | 13.9                | 12.9                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 219          | Ppw2                      | 1.29        | 2017     | 16.0                | 15.1                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| Big P        | epperwo                   | ood         |          | Avg 15.8            | 14.4                | 10,02°         | 1 212                       |             | 31    | 1.5%        | 14 | -1.1  | 92%           | 90%    | 601           | 125             | 0 | 67                  | 32     | 0.79 | 4.7    | 15 | 39          |
| Strea        |                           |             |          | ong Gulch           |                     |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 250          | Gros                      | 0.05        | 1996     | 14.1                | 13.1                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 250          | Gros                      | 0.05        | 2002     | 16.2                | 13.3                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 250          | Gros                      | 0.05        | 2012     | 13.3                | 12.3                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 277          | GrG                       | 0.27        | 1998     | 13.9                | 13.4                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 277          | GrG                       | 0.27        | 2000     | 17.8                | 14.5                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 277          | GrG                       | 0.27        | 2011     | 13.4                | 12.9                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| Grosh        | ong Gu                    |             |          | Avg 14.8            | 13.3                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| Strea        |                           |             |          | a River             | 10.4                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 614          | Gua8                      | 0.00        | 2000     | 22.9                | 18.4                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 614          | Gua8                      | 0.00        | 2009     | 21.7                | 18.1                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 614          | Gua8                      | 0.00        | 2017     | 22.1                | 18.5                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 614          | Gua8                      | 0.00        | 2018     | 20.2                | 17.9                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 750          | Gul                       | 1.19        | 2009     | 22.5                | 19.2                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 750          | Gul<br>I <b>la Rive</b> r | 1.19        | 2011     | 23.2                | 19.7<br><b>18.6</b> |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
|              |                           |             |          | Avg 22.1            |                     |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| Strea<br>220 | Lpw                       | 0.11        | Little F | epperwoo<br>15.8    | 14.3                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 220          | Lpw                       | 0.11        | 1995     | 19.4                | 16.0                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    | <del></del> |
| 220          | Lpw                       | 0.11        | 1996     | 17.8                | 15.0                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 220          | Lpw                       | 0.11        | 1997     | 16.7                | 16.0                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 220          | Lpw                       | 0.11        | 1998     | 17.8                | 15.6                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 220          | Lpw                       | 0.11        | 2002     | 15.1                | 13.8                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    |             |
| 220          | Lpw                       | 0.11        | 2003     | 15.9                | 14.8                |                |                             |             |       |             |    |       |               |        |               |                 | 0 | 121                 |        |      |        |    |             |
|              | -644                      | V.11        |          | 10.0                | 17.0                |                |                             |             |       |             |    |       |               |        |               |                 |   |                     |        |      |        |    | <del></del> |

| Station<br>Numbe   |             | Miles<br>Up | Year | Tempe               | erature<br>> |                | Bank Full<br>t or >10 CuF |             | strate | Strea<br>(Tha |    |       | R      | Ripari       | an Z         | one             |      | or Redds<br>er Mile |    |        | Aquatio |                  | s  |
|--------------------|-------------|-------------|------|---------------------|--------------|----------------|---------------------------|-------------|--------|---------------|----|-------|--------|--------------|--------------|-----------------|------|---------------------|----|--------|---------|------------------|----|
| Name               |             | tream       |      | Seasonal<br>Maximum | MWAT         | CuFt/<br>1000' | Pieces/<br>1000'          | >0.85<br>mm | D50    | Slope         | VI | A/D   | Canopy | y % B<br>Cr. | asal<br>Area | Tallest<br>Tree | Coho | SH Redds<br>(1+)    |    | s Hils |         | % Don<br>an R In |    |
| 220 L <sub>I</sub> | pw          | 0.11        | 2004 | 14.8                | 14.3         |                |                           |             |        |               |    |       |        |              |              |                 | 0    | 8                   |    |        |         |                  |    |
| 220 L <sub>I</sub> | pw          | 0.11        | 2005 | 16.0                | 14.6         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| 220 L <sub>l</sub> | pw          | 0.11        | 2008 | 14.7                | 14.3         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| 220 L <sub>l</sub> | pw          | 0.11        | 2009 | 14.4                | 13.7         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| 220 L <sub>l</sub> | pw          | 0.11        | 2012 | 14.2                | 13.1         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| 220 L <sub>l</sub> | pw          | 0.11        | 2016 | 14.5                | 13.7         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| 220 L <sub>I</sub> | pw          | 0.11        | 2018 | 15.0                | 13.9         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| Little Pep         | perv        | wood        |      | Avg 15.9            | 14.5         |                |                           |             |        |               |    |       |        |              |              |                 | 0    | 65                  |    |        |         |                  |    |
| Stream             |             |             |      | Fork Gual           |              |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| -                  | ua1         | 0.98        | 1994 | 22.7                | 19.2         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
|                    | ua1         | 0.98        | 1995 | 25.3                | 20.6         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
|                    | ua1         | 0.98        | 1996 | 24.4                | 20.1         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
|                    | ua1         | 0.98        | 1997 | 24.6                | 22.4         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| -                  | ua1         | 0.98        | 1998 |                     |              | 93             | 4 17                      |             | 24     | 0.1%          | 23 |       | 93%    | 16%          |              |                 |      |                     |    |        |         |                  |    |
|                    | ua1         | 0.98        | 1999 |                     |              |                |                           |             |        |               |    |       |        |              |              |                 | 0    | 32                  |    |        |         |                  |    |
| -                  | ua1         | 0.98        | 2000 | 23.2                | 19.2         | 80             |                           |             | 25     | 0.0%          |    | -0.10 | 96%    | 17%          | 226          | 199             | 0    | 21                  | 28 | 0.87   | 4.4     | 16               | 28 |
|                    | ua1         | 0.98        | 2001 | 23.3                | 19.1         | 1,64           |                           |             | 20     | 0.1%          |    | 0.19  |        |              |              |                 | 0    | 11                  |    |        |         |                  |    |
|                    | ua1         | 0.98        | 2002 |                     |              | 1,48           |                           |             | 22     | 0.1%          |    | 0.01  |        |              |              |                 | 0    | 0                   |    |        |         |                  |    |
| -                  | ua1         | 0.98        | 2003 |                     |              | 1,09           |                           |             | 12     | 0.1%          |    | 0.10  |        |              |              |                 | 0    | 149                 |    |        |         |                  |    |
|                    | ua1         | 0.98        | 2004 | 23.2                | 20.0         | 1,26           |                           |             | 19     | 0.1%          | 26 | 0.18  |        |              |              |                 | 0    | 97                  |    |        |         |                  |    |
|                    | ua1         | 0.98        | 2006 |                     |              | 1,02           |                           |             | 20     |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
|                    | ua1         | 0.98        | 2007 | 04.5                | 40.0         | 1,08           |                           |             | 15     | 0.1%          |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
|                    | ua1         | 0.98        | 2008 | 24.5                | 19.8         | 1,11           |                           |             | 19     | 0.1%          |    | -0.24 |        |              |              |                 | 0    | 26                  |    |        |         |                  |    |
|                    | ua1         | 0.98        | 2009 | 23.2                | 18.9         | 1,10           | 9 30                      |             | 16     | 0.1%          | 22 | -0.14 |        |              |              |                 | U    | 166                 |    |        |         |                  |    |
| -                  | ua1         | 0.98        | 2010 | 22.4                | 18.3         |                |                           |             |        |               |    |       |        |              |              |                 |      | 405                 |    |        |         |                  |    |
|                    | ua1         | 0.98        | 2011 | 22.5                | 18.8         |                |                           |             |        |               |    |       |        |              |              |                 |      | 465                 |    |        |         |                  |    |
| -                  | ua1         | 0.98        | 2012 | 22.1                | 18.5         | 1.06           | 4 07                      |             | 10     | 0.10/         | 24 | 0.70  |        |              |              |                 |      | 1,067               |    |        |         |                  |    |
| -                  | ua1<br>ua1  | 0.98        | 2013 | 23.2                | 19.8<br>19.4 | 1,06           | 4 27                      |             | 18     | 0.1%          | 34 | -0.70 |        |              |              |                 | 0    | 127<br>346          |    |        |         |                  |    |
|                    |             |             |      |                     |              | 1 10           | 0 00                      |             | 24     | 0.10/         | 20 | 0.52  |        |              |              |                 |      |                     |    |        |         |                  |    |
|                    | ua1         | 0.98        | 2015 | 21.7                | 19.7         | 1,12           | 8 29                      |             | 24     | 0.1%          | 30 | -0.53 |        |              |              |                 | U    | 153                 |    |        |         |                  |    |
|                    | ua1<br>ua1  | 0.98        | 2016 | 22.5                | 19.2<br>19.3 |                |                           |             |        |               |    |       |        |              |              |                 | 0    | 269                 |    |        |         |                  |    |
|                    | ua i<br>ua1 | 0.98        | 2017 | 22.9                | 19.5         | 1,84           | 9 32                      |             | 19     | 0.0%          | 20 | 0.74  |        |              |              |                 |      | 148                 |    |        |         |                  |    |
|                    | ua i<br>ua1 | 0.98        | 2019 | 22.5                | 19.5         | 1,04           | 3 32                      |             | 19     | 0.0%          | 30 | -0.71 |        |              |              |                 | U    | 140                 |    |        |         |                  |    |
| -                  | ua i<br>ua1 | 0.98        | 2019 | 22.5                | 19.6         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |
| 211 G              | ua I        | 0.96        | 2020 | 22.5                | 19.0         |                |                           |             |        |               |    |       |        |              |              |                 |      |                     |    |        |         |                  |    |

| Station<br>Number | Miles<br>Up | Year    | Т   | empe           | erature<br>> |                | Bank Full<br>Ft or >10 CuF | Subs        | trate | Stre  |     |       | F             | Ripar | ian Z | one             |      | or Redds<br>er Mile |       |                 | Aquati<br>invert | c<br>ebrate:   | s     |
|-------------------|-------------|---------|-----|----------------|--------------|----------------|----------------------------|-------------|-------|-------|-----|-------|---------------|-------|-------|-----------------|------|---------------------|-------|-----------------|------------------|----------------|-------|
| Name              | Stream      |         |     | sonal<br>kimum | MWAT         | CuFt/<br>1000' | Pieces/<br>1000'           | >0.85<br>mm | D50   | Slope | VI  | A/D   | Canop<br>WLPZ |       |       | Tallest<br>Tree | Coho | SH Redds<br>(1+)    |       | ss Hil<br>npson |                  | % Domian R Ind |       |
| 217 Gua           | 1 0.98      | 2021    |     | 21.7           | 19.3         |                |                            |             |       |       |     |       |               |       |       |                 |      |                     |       |                 |                  |                |       |
| 217 Gua           | 1 0.98      | 2022    |     | 21.7           | 19.5         | 1,758          | 8 37                       |             | 22    | 0.1%  | 31  | -1.20 | 93%           | 27%   |       |                 |      |                     |       |                 |                  |                |       |
| South Fork        | Gualala R   | River   | Avg | 23.0           | 19.5         | 1,240          | 26                         |             | 20    | 0.1%  | 26  | -0.3  | 94%           | 20%   | 226   | 199             | 0    | 205                 | 28    | 0.87            | 4.4              | 16             | 28    |
| Hydrologic I      | Uni SF G    | ualala  | Avg | 18.1           | 16.0         | 6,699          | 9 142                      |             | 26    | 1.0%  | 19  | -0.8  | 92%           | 75%   | 507   | 144             | 0    | 132                 | 30    | 0.83            | 4.6              | 16             | 33    |
|                   |             | Avg     | i   | 18.1           | 16.0         | 6,699          | 9 142                      |             | 26    | 1.0%  | 19  | -0.8  | 92%           | 75%   | 507   | 144             | 0    | 132                 | 30    | 0.83            | 4.6              | 16             | 33    |
|                   |             | Min     |     | 13.3           | 12.3         | 804            |                            |             | 12    | 0.0%  | 9   | -1.8  |               | 16%   |       |                 | 0    | 0                   | 28    | 0.79            | 4.4              | 15             | 28    |
|                   |             | Max     | (   | 25.3           | 22.4         | 13,535         | 5 335                      |             | 45    | 1.7%  | 38  | 0.19  | 96%           | 95%   | 918   | 199             | 0    | 1,067               | 32    | 0.87            | 4.7              | 16             | 39    |
| Old Growth V      | Watershed   | ds (HRS | P)  | 18.5           | 16.6         |                |                            | 21.6%       | 62    |       |     |       |               |       |       |                 |      |                     | 26.2  | 0.89            |                  |                |       |
| Poor-Normal       | l-Good      |         |     |                |              |                |                            |             |       |       | >20 |       |               |       |       |                 |      |                     | 26-35 | .889            | 4.6-3.1          | 12-17          | 39-15 |
| NCWQCB Ta         | arget       |         |     | 18.3           | 16.8         |                |                            | <14%        |       |       |     |       |               |       |       |                 |      |                     |       |                 |                  |                |       |

#### **Temperature**

- Seasonal Maximum The highest water temperature recorded during the summer.
- Maximum weekly average temperature (MWAT) - The highest average temperature for any seven day rolling average

#### Large Woody Debris (LWD)

- LWD must be at least 6 inches on the small end and longer than 4 feet.
- Cubic Feet per 1,000 feet The cubic volume of LWD located between the bankfull lines.
- Pieces per 1,000' The number of LWD pieces per 1000'

#### Stream Substrate

- <0.85mm The percent fines less than 0.85 millimeters in a McNeal sample.
- D50- The pebble size of the median pebble of a 100 pebble sample.

  Three sample sites on each reach are averaged.

## Fish Surveys

- Presence/absence snorkel surveys also estimate fish numbers per mile.
  - Coho Coho salmon any age.
  - SH (1+) Steelhead one year old or older.
- Redds Number of salmon spawning nests found per mile during the season.

## Streambed (Thalweg) Survey

- Slope the slope of the channel
- VI The variation index is the [(SD of residual depth/bank full depth) \*100]. This is a way of quantifying roughness and hence suitability for fish. Greater than 20 is a good indication of recovery.
- A/D The change in elevation of the channel (aggradation or degradation) relative to the first year of measurement.

#### **Riparian Condition**

- Canopy Cover percent as measured with a spherical densiometer. Every 200', canopy percent is measured in the center of the channel. And at bank full and 50' into the riparian zone from bankfull on both sides of the channel. Four measurements are averaged at each point.
- WLPZ (Watercourse and Lake Protection Zone) The average of all the measurements taken on either side of the channel 50' into the riparial zone.
- Cr. The average of all the measurements taken in the center of the channel.
- Riparian inventory plots were locate both sides of the channel every 200'
- Basal Area Is the average basal area in square feet of all the riparian plots
- Tallest Tree Is the tallest tree measured on the riparian plots.

#### Macroinvertebrates

- Richness Total number of Genuses represented.
- Simpson Diversity Index Measures the evenness of species diversity
- Hilsenhoff This is a locally modified Hilsenhoff index. It indicates levels of organic pollution
- Russian River Index A localized index that combines several standard metrics
- Percent Dominant Taxon this is a species distribution index

## **Completed Road Work**

**Hydrologic Unit** 

All

Repair type All

**Planning Watershed** Big Pepperwood Creek

Priority

Road # All

From Mi All

To Mi All

**Road Class** All

THP All

From Date 1/1/1980

**To Date** 11/9/2023

| Road #           | GIS#                 | Mile Plan                          | Final      | THP#         | THP Name                 | Problem                   | Repair Type             | Cr. Class     |         | DRCs     | Rock    | Left D      | Exca. | Truck    | Gra.      | Cost        | Total Yds |
|------------------|----------------------|------------------------------------|------------|--------------|--------------------------|---------------------------|-------------------------|---------------|---------|----------|---------|-------------|-------|----------|-----------|-------------|-----------|
| Road Class       | ID#                  | End Crew                           | Done       | Rd Pt        | ECP Number               | Solution                  | Priority/Shedule        | Old Dia       | New     | Dia Ln   |         | Right D     | Cat   | Labor    | Yds       | \$/FSD      | FSD Yds   |
| 0                | 2104                 | 0.000 Hascha                       | k Pehl     | 03-089       | Primrose                 | Surface Drainage          | THP Mitigation          | III           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Existing Skid    | 2104                 | 0.000 AL                           | 8/15/200   | 4            | ECP Not                  | Waterbar                  | Medium                  | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | waterbar             | s on this skid tr                  | ail should | empty to t   | he west away from the    | e unstable area (not to t | ne east as they curren  | tly do).      |         |          |         |             |       |          |           |             |           |
| 0                | 2550                 | 0.000 Haschal                      | k Pehl     | 05-146       | Moss                     | Temp. Crossing            | Maintenance             | III           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Existing Skid    | 2550                 | $0.000~\mathrm{AL}$                | 10/13/20   | 05           | ECP Not                  | Temp. Crossing            | Medium                  | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | Skid trai            | l crossing wet a                   | rea. Insta | ll 6" by 20' | pipe if wet at time of   | operations. Pull pipe at  | close.                  |               |         |          |         |             |       |          |           |             |           |
| 0                | 2103                 | 0.000 Hascha                       | k Pehl     | 03-089       | Primrose                 | Surface Drainage          | THP Mitigation          | III           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Existing Skid    | 2103                 | $0.000~\mathrm{AL}$                | 10/15/20   | 05           | ECP Not                  | Waterbar                  | Medium                  | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | construct<br>more wa | •                                  | and on thi | s old skid t | rail so that water goes  | into adjacent swale. Pu   | t first waterbar at pai | inted tree (N | 1.P. #1 | 0) and g | o uphil | l from this | point | and plac | e at leas | t one or tw | 70        |
| 0                | 2549                 | 0.000 Hascha                       | k Pehl     | 05-146       | Moss                     | Temp. Crossing            | Maintenance             | N/A           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Existing Skid    | 2549                 | 0.000 AL                           | 10/13/20   | 06           | ECP Not                  | Temp. Crossing            | Medium                  | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  |                      | l crossing class<br>not used in TH |            | all 6" by 2  | 0' pipe if wet at time o | f operations. Pull pipe a | t close.                |               |         |          |         |             |       |          |           |             |           |
| 0                | 4312                 | 0.000 Pehl                         | Pehl       | 05-023       | Clover                   | No Problem                | THP ECP                 | N/A           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Private Seasonal | 4312                 | 0.000 Unk                          | 10/14/20   | 06           | 1B105023MEN              | No Action                 | No Action               | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | Inspected            | l roads and wat                    | ercourse   | crossings.   | No problems.             |                           |                         |               |         |          |         |             |       |          |           |             |           |
| 0                | 2990                 | 0.000 Pehl                         | Pehl       | 00-391       | Terrapin Station         | No Problem                | THP Maint Insp          | N/A           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Private Seasonal | 2990                 | 0.000 Unk                          | 12/29/20   | 06           | ECP Not                  | No Action                 | No Action               | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | Inspected            | l roads and wat                    | ercourse   | crossings.   | No problems. Severa      | trees across road limite  | ed access.              |               |         |          |         |             |       |          |           |             |           |
| 0                | 3001                 | 0.000 Pehl                         | Pehl       | 03-089       | Primrose                 | No Problem                | THP Maint Insp          | N/A           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Private Seasonal | 3001                 | 0.000 Unk                          | 1/3/2007   |              | ECP Not                  | No Action                 | No Action               | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | Inspected            | l roads and wat                    | ercourse   | crossings.   | No problems.             |                           |                         |               |         |          |         |             |       |          |           |             |           |
| 0                | 3004                 | 0.000 Pehl                         | Pehl       | 05-023       | Clover                   | No Problem                | THP ECP                 | N/A           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Private Seasonal | 3004                 | 0.000 Unk                          | 1/5/2007   |              | 1B105023MEN              | No Action                 | No Action               | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | Inspected            | l roads and wat                    | ercourse   | crossings.   | No problems.             |                           |                         |               |         |          |         |             |       |          |           |             |           |
| 0                | 3006                 | 0.000 Pehl                         | Pehl       | 99-460       | Sugaree                  | No Problem                | THP Maint Insp          | N/A           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Private Seasonal | 3006                 | 0.000 Unk                          | 1/5/2007   |              | ECP Not                  | No Action                 | No Action               | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | Inspected            | l roads and wat                    | ercourse   | crossings.   | No problems.             |                           |                         |               |         |          |         |             |       |          |           |             |           |
| 0                | 4296                 | 0.000 Pehl                         | Pehl       | 05-023       | Clover                   | No Problem                | THP ECP                 | N/A           |         | 0        | 0       | 0           | 0     | 0        | 0         | \$0         | 0         |
| Private Seasonal | 4296                 | 0.000 Unk                          | 5/15/200   | 7            | 1B105023MEN              | No Action                 | No Action               | -             | -       | 0        |         | 0           | 0     | 0        | 0         | \$0         | 0         |
|                  | Inspected            | l roads and wat                    | ercourse   | crossing. 1  | lo problems.             |                           |                         |               |         |          |         |             |       |          |           |             |           |

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| Road #           | GIS#      | Mile Plan           | Final        | THP#        | THP Name                 | Problem                   | Repair Type             | Cr. Class    | s [        | RCs R     | ock    | Left D     | Exca.    | Truck     | Gra.     | Cost   | Total Yds |
|------------------|-----------|---------------------|--------------|-------------|--------------------------|---------------------------|-------------------------|--------------|------------|-----------|--------|------------|----------|-----------|----------|--------|-----------|
| Road Class       | ID#       | End Crew            | v Done       | Rd Pt       | ECP Number               | Solution                  | Priority/Shedule        | Old Dia      | New D      | ia Ln     |        | Right D    | Cat      | Labor     | Yds      | \$/FSD | FSD Yds   |
| 0                | 4231      | 0.000 Pehl          | Pehl         | 00-391      | Terrapin Station         | No Problem                | THP Maint Insp          | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4231      | 0.000 Unk           | 5/25/200     |             | ECP Not                  | No Action                 | No Action               | -            | _          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | tercourse o  | rossings.   | No problems. Trees o     | leared from road.         |                         |              |            |           |        |            |          |           |          |        |           |
| 0                | 4237      | 0.000 Pehl          | Pehl         | 03-089      | Primrose                 | No Problem                | THP Maint Insp          | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4237      | 0.000 Unk           | 6/4/2007     |             | ECP Not                  | No Action                 | No Action               | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | tercourse o  | rossings.   | No problems.             |                           |                         |              |            |           |        |            |          |           |          |        |           |
| 0                | 2551      | 0.000 Hascha        | ak Pehl      | 05-146      | Moss                     | Temp. Crossing            | Maintenance             | III          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Existing Skid    | 2551      | $0.000~\mathrm{AL}$ | 9/17/200     | 7           | ECP Not                  | Temp. Crossing            | Medium                  | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Tempora   | ry crossing of      | class III. I | f wet at ti | me of operations install | temporary pipe 6" by      | 20'. Remove pipe and    | dip out at c | lose of o  | perations |        |            |          |           |          |        |           |
| 0                | 4417      | 0.000 Pehl          | Pehl         | 00-391      | Terrapin Station         | No Problem                | THP Maint Insp          | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4417      | 0.000 Unk           | 11/8/200     | 7           | ECP Not                  | No Action                 | Medium                  | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | tercourse o  | rossings.   | No problems.             |                           |                         |              |            |           |        |            |          |           |          |        |           |
| 0                | 4395      | 0.000 Pehl          | Pehl         | 06-009      | Ivy                      | No Problem                | THP ECP                 | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4395      | 0.000 Unk           | 11/9/200     | 7           | 1B106009SON              | No Action                 | Medium                  | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | tercourse o  | rossings    | north of Rockpile Cree   | k.                        |                         |              |            |           |        |            |          |           |          |        |           |
| 0                | 4396      | 0.000 Pehl          | Pehl         | 06-009      | Ivy                      | No Problem                | THP ECP                 | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4396      | 0.000 Unk           | 11/12/20     | 07          | 1B106009SON              | No Action                 | Medium                  | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | tercourse o  | rossings    | south of Buckeye Cree    | k.                        |                         |              |            |           |        |            |          |           |          |        |           |
| 0                | 4414      | 0.000 Pehl          | Pehl         | 05-023      | Clover                   | No Problem                | THP ECP                 | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4414      | 0.000 Unk           | 11/14/20     | 07          | 1B105023MEN              | No Action                 | Medium                  | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | tercourse o  | rossings    | Trespassing by motor     | cycles, mountain bikes    | , and horses may beco   | me an issue  | ed, but er | osion cor | trol i | s currentl | y funct  | tioning.  |          |        |           |
| 0                | 4421      | 0.000 Pehl          | Pehl         | 03-089      | Primrose                 | No Problem                | THP Maint Insp          | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4421      | 0.000 Unk           | 11/15/20     | 07          | ECP Not                  | No Action                 | No Action               | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | tercourse o  | rossings    | No problems.             |                           |                         |              |            |           |        |            |          |           |          |        |           |
| 0                | 4424      | 0.000 Pehl          | Pehl         | 05-023      | Clover                   | No Problem                | THP ECP                 | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4424      | 0.000 Unk           | 11/26/20     | 07          | 1B105023MEN              | No Action                 | No Action               | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Met with  | John Bower a        | ınd looked   | at roads    | around Units I and J. T  | respassing is an issue,   | but erosion control is  | currently fu | nctionin   | g.        |        |            |          |           |          |        |           |
| 0                | 4425      | 0.000 Pehl          | Pehl         | 05-023      | Clover                   | No Problem                | THP ECP                 | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4425      | 0.000 Unk           | 11/28/20     | 07          | 1B105023MEN              | No Action                 | No Action               | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l road from Ol      | d Stage Ro   | ad to Un    | it D. Dips are function  | ng, but there is a lot of | f motorcycle traffic. S | caped dip a  | xis or wa  | terbarre  | l whe  | re necess  | ary to e | ensure di | rainage. |        |           |
| 0                | 4463      | 0.000 Pehl          | Pehl         | 06-009      | Ivy                      | No Problem                | THP ECP                 | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4463      | 0.000 Unk           | 1/9/2008     |             | 1B106009SON              | No Action                 | Medium                  | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | itercourse o | rossings    | south of Buckeye Cree    | k.                        |                         |              |            |           |        |            |          |           |          |        |           |
| 0                | 4461      | 0.000 Pehl          | Pehl         | 00-391      | Terrapin Station         | No Problem                | THP Maint Insp          | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4461      | 0.000 Unk           | 1/10/200     | 8           | ECP Not                  | No Action                 | Medium                  | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | tercourse o  | rossings.   | No problems.             |                           |                         |              |            |           |        |            |          |           |          |        |           |
| 0                | 4467      | 0.000 Pehl          | Pehl         | 05-023      | Clover                   | No Problem                | THP ECP                 | N/A          |            | 0         | 0      | 0          | 0        | 0         | 0        | \$0    | 0         |
| Private Seasonal | 4467      | 0.000 Unk           | 1/14/200     | 8           | 1B105023MEN              | No Action                 | Medium                  | -            | -          | 0         |        | 0          | 0        | 0         | 0        | \$0    | 0         |
|                  | Inspected | l roads and wa      | itercourse o | crossings   | associated with Units A  | A, B, and D. No proble    | ems.                    |              |            |           |        |            |          |           |          |        |           |

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| Road #           | GIS#      | Mile Plan      | Final      | THP#       | THP Name                  | Problem                | Repair Type              | Cr. Class   | DRC         | s Rock    | Left D     | Exca. | Truck | Gra. | Cost   | Total Yds |
|------------------|-----------|----------------|------------|------------|---------------------------|------------------------|--------------------------|-------------|-------------|-----------|------------|-------|-------|------|--------|-----------|
| Road Class       | ID#       | End Crew       | / Done     | Rd Pt      | ECP Number                | Solution               | Priority/Shedule         | Old Dia     | New Dia L   | n         | Right D    | Cat   | Labor | Yds  | \$/FSD | FSD Yds   |
| 0                | 4470      | 0.000 Pehl     | Pehl       | 05-023     | Clover                    | No Problem             | THP ECP                  | N/A         |             | ) 0       | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4470      | 0.000 Unk      | 1/15/200   | 18         | 1B105023MEN               | No Action              | Medium                   | -           | - (         | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings  | associated with Units E   | , F, G, H, I, and J. N | o problems, other than i | minor water | bar mainten | ince (sho | ovel work) |       |       |      |        |           |
| 0                | 4618      | 0.000 Pehl     | Pehl       | 06-009     | Ivy                       | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4618      | 0.000 Unk      | 1/24/200   | 18         | 1B106009SON               | No Action              | Medium                   | -           | - (         | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings  | north of Rockpile Creek   | . No problems.         |                          |             |             |           |            |       |       |      |        |           |
| 0                | 4617      | 0.000 Pehl     | Pehl       | 05-023     | Clover                    | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4617      | 0.000 Unk      | 6/6/2008   | ;          | 1B105023MEN               | No Action              | Medium                   | -           | -           | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings  | associated with all units | . No problems.         |                          |             |             |           |            |       |       |      |        |           |
| 0                | 4619      | 0.000 Pehl     | Pehl       | 06-009     | Ivy                       | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4619      | 0.000 Unk      | 6/12/200   | 8          | 1B106009SON               | No Action              | Medium                   | -           | -           | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings. | No problems.              |                        |                          |             |             |           |            |       |       |      |        |           |
| 0                | 4892      | 0.000 Pehl     | Pehl       | 03-089     | Primrose                  | No Problem             | THP Maint Insp           | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4892      | 0.000 Unk      | 9/9/2008   | ;          | ECP Not                   | No Action              | Medium                   | -           | - (         | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings  | for final completion. N   | o problems.            |                          |             |             |           |            |       |       |      |        |           |
| 0                | 4885      | 0.000 Pehl     | Pehl       | 05-023     | Clover                    | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4885      | 0.000 Unk      | 11/5/200   | 8          | 1B105023MEN               | No Action              | Medium                   | -           | -           | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings  | associated with all units | . No problems.         |                          |             |             |           |            |       |       |      |        |           |
| 0                | 4889      | 0.000 Pehl     | Pehl       | 06-009     | Ivy                       | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4889      | 0.000 Unk      | 11/10/20   | 800        | 1B106009SON               | No Action              | Medium                   | -           | -           | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings. | No problems.              |                        |                          |             |             |           |            |       |       |      |        |           |
| 0                | 4901      | 0.000          | Pehl       | 00-391     | Terrapin Station          | No Problem             | THP Maint Insp           | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4901      | 0.000 Unk      | 11/17/20   | 800        | ECP Not                   | No Action              | Medium                   | -           | - (         | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings. | No problems.              |                        |                          |             |             |           |            |       |       |      |        |           |
| 0                | 4930      | 0.000 Pehl     | Pehl       | 05-023     | Clover                    | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4930      | 0.000 Unk      | 12/3/200   | 18         | 1B105023MEN               | No Action              | Medium                   | -           | - (         | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Notice of | Termination s  | sent to NC | RWQCB.     |                           |                        |                          |             |             |           |            |       |       |      |        |           |
| 0                | 4931      | 0.000 Pehl     | Pehl       | 03-089     | Primrose                  | No Problem             | THP Non-Road             | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 4931      | 0.000 Unk      | 12/3/200   | 18         | ECP Not                   | No Action              | Medium                   | -           | - (         | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Final Cer |                | ce sent to |            | CB to end waiver covers   | <u> </u>               |                          |             |             |           |            |       |       |      |        |           |
| 0                | 5298      | 0.000 Pehl     | Pehl       | 06-009     | Ivy                       | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5298      | 0.000 Unk      | 2/13/200   | 19         | 1B106009SON               | No Action              | Medium                   | -           | -           | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa | tercourse  | crossings. | No problems.              |                        |                          |             |             |           |            |       |       |      |        |           |
| 0                | 5335      | 0.000 Pehl     | Pehl       | 06-009     | Ivy                       | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5335      | 0.000 Unk      | 5/15/200   | 19         | 1B106009SON               | No Action              | Medium                   | -           | - (         | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected |                | tercourse  | crossings. | No problems.              |                        |                          |             |             |           |            |       |       |      |        |           |
| 0                | 5333      | 0.000 Pehl     | Pehl       | 05-023     | Clover                    | No Problem             | THP ECP                  | N/A         |             | 0         | 0          | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5333      | 0.000 Unk      | 6/12/200   | 19         | 1B105023MEN               | No Action              | Medium                   | -           | -           | )         | 0          | 0     | 0     | 0    | \$0    | 0         |
|                  | Notice of | Termination 1  | for WDID   | 1B10502    | 3MEN accepted by NCI      | RWQCB.                 |                          |             |             |           |            |       |       |      |        |           |

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| Road #           | GIS#      | Mile Plan            | Final       | THP#       | THP Name                  | Problem               | Repair Type            | Cr. Class   |          | RCs      | Rock     | Left D  | Exca. | Truck | Gra. | Cost   | Total Yds |
|------------------|-----------|----------------------|-------------|------------|---------------------------|-----------------------|------------------------|-------------|----------|----------|----------|---------|-------|-------|------|--------|-----------|
| Road Class       | ID#       | End Crew             | Done        | Rd Pt      | ECP Number                | Solution              | Priority/Shedule       | Old Dia     | New Di   | a Ln     |          | Right D | Cat   | Labor | Yds  | \$/FSD | FSD Yds   |
| 0                | 5380      | 0.000 Pehl           | Pehl        | 06-009     | Ivy                       | No Problem            | THP ECP                | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5380      | 0.000 Unk            | 10/14/20    | 09         | 1B106009SON               | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | i roads and wa       | tercourse ( | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5385      | 0.000 Pehl           | Pehl        | 06-009     | Ivy                       | No Problem            | THP ECP                | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5385      | 0.000 Unk            | 10/21/20    | 09         | 1B106009SON               | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse   | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5389      | 0.000 Pehl           | Pehl        | 03-089     | Primrose                  | No Problem            | THP Maint Insp         | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5389      | 0.000 Unk            | 10/23/20    | 09         | ECP Not                   | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse   | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5390      | 0.000 Pehl           | Pehl        | 05-023     | Clover                    | No Problem            | THP Maint Insp         | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5390      | 0.000 Unk            | 10/23/20    | 09         | ECP Not                   | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse   | crossings  | in the south and central  | portions of the THP.  | No problems.           |             |          |          |          |         |       |       |      |        |           |
| 0                | 5400      | 0.000 Pehl           | Pehl        | 05-023     | Clover                    | No Problem            | THP Maint Insp         | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5400      | 0.000 Unk            | 10/23/20    | 09         | ECP Not                   | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse   | crossings  | in the portion of the pla | n west of Old Stage l | Road. On goin trespass | issues. Ero | sion con | trol sti | ll in pl | ace.    |       |       |      |        |           |
| 0                | 5511      | 0.000 Pehl           | Pehl        | 06-009     | Ivy                       | No Problem            | THP ECP                | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5511      | 0.000 Unk            | 5/3/2010    | 1          | 1B106009SON               | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse   | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5542      | 0.000 Pehl           | Pehl        | 08-086     | Belladonna                | No Problem            | THP ECP                | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5542      | $0.000~\mathrm{Unk}$ | 11/11/20    | 10         | Waiver                    | No Action             | No Action              | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse ( | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5540      | 0.000 Pehl           | Pehl        | 03-089     | Primrose                  | No Problem            | THP Maint Insp         | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5540      | 0.000 Unk            | 11/12/20    | 10         | ECP Not                   | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse ( | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5544      | 0.000 Pehl           | Pehl        | 03-089     | Primrose                  | No Problem            | THP Maint Insp         | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5544      | 0.000 Unk            | 11/15/20    | 10         | ECP Not                   | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse ( | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5545      | 0.000                | Pehl        | 06-009     | Ivy                       | No Problem            | THP ECP                | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5545      | 0.000 Unk            | 11/16/20    | 10         | 1B106009SON               | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse   | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5572      | 0.000 Pehl           | Pehl        | 08-086     | Belladonna                | No Problem            | THP ECP                | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5572      | 0.000 Unk            | 1/4/2011    |            | Waiver                    | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse   | crossings. | No problems.              |                       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5584      | 0.000 Pehl           | Pehl        | 06-009     | Ivy                       | No Problem            | THP ECP                | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5584      | 0.000 Unk            | 1/6/2011    |            | 1B106009SON               | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa       | tercourse   | crossings  | north of Rockpile Cree    | k. No problems.       |                        |             |          |          |          |         |       |       |      |        |           |
| 0                | 5579      | 0.000 Pehl           | Pehl        | 03-089     | Primrose                  | No Problem            | THP Maint Insp         | N/A         |          | 0        | 0        | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5579      | 0.000 Unk            | 1/10/201    | 1          | ECP Not                   | No Action             | Medium                 | -           | -        | 0        |          | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  |           |                      |             |            |                           |                       |                        |             |          |          |          |         |       |       |      |        |           |

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| Road #           | GIS#      | Mile Plan       | Final        | THP#      | THP Name                   | Problem               | Repair Type             | Cr. Class  | s [    | RCs R | ock | Left D  | Exca. | Truck | Gra. | Cost   | Total Yds |
|------------------|-----------|-----------------|--------------|-----------|----------------------------|-----------------------|-------------------------|------------|--------|-------|-----|---------|-------|-------|------|--------|-----------|
| Road Class       | ID#       | End Crew        | / Done       | Rd Pt     | ECP Number                 | Solution              | Priority/Shedule        | Old Dia    | New Di | a Ln  |     | Right D | Cat   | Labor | Yds  | \$/FSD | FSD Yds   |
| 0                | 5585      | 0.000 Pehl      | Pehl         | 06-009    | Ivy                        | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5585      | 0.000 Unk       | 1/12/201     |           | 1B106009SON                | No Action             | Medium                  | _          | _      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa  | tercourse o  | rossings  | south of Buckeye Creek     | k. No problems.       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 5773      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5773      | 0.000 Unk       | 11/16/20     | 11        | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa  | tercourse o  | rossings. | No problems.               |                       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 5774      | 0.000           | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5774      | 0.000 Unk       | 1/27/2012    | 2         | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa  | tercourse o  | rossings. | No problems.               |                       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 5801      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5801      | 0.000 Unk       | 6/7/2012     |           | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa  | tercourse o  | rossings. | No problems.               |                       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 5864      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5864      | 0.000 Unk       | 10/12/20     | 12        | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Road wo   | rk in progress. | Erosion c    | ontrol fo | r 2012 logging complete    | ed. Inspected roads a | and watercourse crossin | gs. No pro | blems. |       |     |         |       |       |      |        |           |
| 0                | 5865      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5865      | 0.000 Unk       | 10/22/20     | 12        | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
| -                | Inspected |                 | tercourse o  | rossings  | after first fall rains. No | problems.             |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 5869      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5869      | 0.000 Unk       | 11/5/2012    | 2         | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
| -                | Inspected | l roads and wa  | tercourse o  | rossings. | No problems.               |                       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 5872      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5872      | 0.000 Unk       | 12/3/2012    | 2         | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
| -                | Inspected | l roads and wa  | tercourse o  | rossings. | No problems.               |                       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 5875      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5875      | 0.000 Unk       | 1/8/2013     |           | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | l roads and wa  | tercourse o  | rossings. | No problems.               |                       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 5946      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 5946      | 0.000 Unk       | 5/8/2013     |           | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  |           | •               |              |           | tercourses have held up    |                       | <u> </u>                |            |        |       |     |         |       |       |      |        |           |
| 0                | 6036      | 0.000 Pehl      | Pehl         | 08-086    | Belladonna                 | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6036      | 0.000 Unk       | 10/22/20     |           | Waiver                     | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  |           |                 |              |           | gs. No problems.           |                       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 6039      | 0.000 Pehl      | Pehl         | 10-081    | Juniper                    | No Problem            | THP ECP                 | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6039      | 0.000 Unk       | 11/14/20     |           | GWDR 1-10-081              | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  |           |                 |              |           | No problems.               |                       |                         |            |        |       |     |         |       |       |      |        |           |
| 0                | 6092      | 0.000 Pehl      | Pehl         | 10-081    | Juniper                    | No Problem            | THP Maint Insp          | N/A        |        | 0     | 0   | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6092      | 0.000 Unk       | 9/5/2014     |           | GWDR 1-10-081              | No Action             | Medium                  | -          | -      | 0     |     | 0       | 0     | 0     | 0    | \$0    | 0         |
|                  | Inspected | I THP area and  | l notified I | .TO of w  | ork necessary to comple    | ete the THP.          |                         |            |        |       |     |         |       |       |      |        |           |

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| Road #           | GIS#                 | Mile Plan                      | Final         | THP#        | THP Name               | Problem                    | Repair Type             | Cr. Clas      | s DF         | RCs Ro     | ock Left D    | Exca       | . Truck    | Gra.      | Cost          | Total Yds |
|------------------|----------------------|--------------------------------|---------------|-------------|------------------------|----------------------------|-------------------------|---------------|--------------|------------|---------------|------------|------------|-----------|---------------|-----------|
| Road Class       | ID#                  | End Crew                       | / Done        | Rd Pt       | ECP Number             | Solution                   | Priority/Shedule        | Old Dia       | New Dia      | Ln         | Right I       | ) Cat      | Labor      | Yds       | \$/FSD        | FSD Yds   |
| 0                | 5413                 | 0.000 Hascha                   | ak Pehl       | 10-081      | Juniper                | Surface Drainage           | THP Non-Road            | Spr.          |              | 0          | 0 0           | 0          | 0          | 0         | \$140         | 0         |
| Existing Skid    | 5413                 | 0.000 Unk                      | 10/15/20      | 14          | GWDR 1-10-081          | Excavate Soil              | Medium                  |               | _            | 0          | 0             | 0          | 1          | 10        | \$0           | 0         |
| S                | There is             | a spring at skid               | d trail inter | section. Re | route skid trail arou  | nd spring to avoid spring  | as much as is feasibl   | le. Spring is | s running d  | own the    | skid trail sy | stem to    | the north  | and ha    | s created     |           |
|                  | downslo              | pe erosion and                 | a class III.  | Dip out e   | lge of spring on the   | south west side so that it | drains downhill towa    | rds existin   | g springy a  | rea abou   | it 50 feet to | he soutl   | h west ar  | nd this w | vill cause it | to end    |
|                  | up in exi<br>way dow | -                              | may be ne     | cessary to  | also drain the skid tr | ail that is about 100 feet | to the southwest if th  | is action ca  | uses that sl | kid trail  | to become n   | oist wh    | ere sprin  | g water   | crosses it    | on its    |
| 0                | 5461                 | 0.000 Hascha                   | ak Pehl       | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | II            |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5461                 | 0.000 Unk                      | 10/15/20      |             | ECP Not                | Temp. Crossing             | Medium                  | _             | _            | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
| 8                | Install pi           | ne adequate to                 | handle flo    | w if wet at | time of operations.    | Remove and dip out at cl   | ose of operations.      |               |              |            |               |            |            |           |               |           |
| 0                | 5411                 | 0.000 Hascha                   |               | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | III           |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5411                 | 0.000 Unk                      | 10/15/20      | 14          | ECP Not                | Temp. Crossing             | Medium                  | -             | -            | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
| _                | Class III            | temporary ski                  | d xing. If w  | et at time  | of operations install  | 4" by 20' pipe or larger i | f necessary. Dip out o  | rossing at    | close.       |            |               |            |            |           |               |           |
| 0                | 5416                 | 0.000 Hascha                   | ak Pehl       | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | III           |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5416                 | 0.000 Unk                      | 10/15/20      | 14          | ECP Not                | Temp. Crossing             | Medium                  | -             | -            | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
|                  |                      |                                |               |             | stall 4" by 20' pipe   | or larger if necessary. Di | p out at close of opera | ations to str | ream grade.  | Create     | mound on d    | wnhill     | side of w  | vatercou  | rse so that   |           |
|                  |                      | rse does not fl                |               |             |                        |                            |                         |               |              |            |               |            |            |           |               |           |
| 0                | 5431                 | 0.000 Hascha                   |               | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | III           |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5431                 | 0.000 Unk                      | 10/15/20      |             | ECP Not                | Temp. Crossing             | Medium                  | -             |              | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
|                  |                      | trail crossing.<br>wnhill side | If wet at t   | ime of ope  | rations install 4" by  | 20' pipe or larger if nece | ssary. Dip out crossir  | ng at end o   | f operation: | s but it i | s not necess  | ary to di  | p out all  | the way   | to existing   | g grade   |
| 0                | 5432                 | 0.000 Hascha                   | ak Pehl       | 10-081      | Juniper                | Temp. Crossing             | THP New Con.            | Swale         |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Private Seasonal |                      | 0.000 Unk                      | 10/15/20      |             | ECP Not                | Temp. Crossing             | Medium                  | -             | _            | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
|                  |                      |                                |               |             | l seasonal road at en  |                            |                         |               |              |            |               |            |            |           | **            |           |
| 0                | 5434                 | 0.000 Hascha                   |               | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | Swale         |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5434                 | 0.000 Unk                      | 10/15/20      | 14          | ECP Not                | Temp. Crossing             | Medium                  | -             | -            | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
|                  | Cross ab             | andoned class                  | III channel   | now just a  | swale. Dip out at cl   | ose of operations.         |                         |               |              |            |               |            |            |           |               |           |
| 0                | 5454                 | 0.000 Hascha                   | ak Pehl       | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | Swale         |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5454                 | 0.000 Unk                      | 10/15/20      | 14          | ECP Not                | Temp. Crossing             | Medium                  | -             | -            | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
|                  |                      |                                |               |             |                        | bably by moving a culv     |                         | it. No con    | nectivity be | low. If    | flagged skid  | trail is v | ised to ci | ross this | swale then    | dip       |
|                  |                      |                                | _             |             |                        | ng down the lower skid to  |                         |               |              |            |               |            |            |           |               |           |
| 0                | 5456                 | 0.000 Hascha                   |               | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | Swale         |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5456                 | 0.000 Unk                      | 10/15/20      |             | ECP Not                | Temp. Crossing             | Medium                  | -             | -            | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
|                  |                      | wale on skid t                 |               |             | <u> </u>               |                            | TYPNY D 1               | ***           |              |            | 0 0           |            |            |           |               |           |
| 0                | 5458                 | 0.000 Hascha                   |               | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | III           |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5458                 | 0.000 Unk                      | 10/15/20      |             | ECP Not                | Temp. Crossing             | Medium                  |               |              | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
|                  |                      |                                |               |             | •                      | 4" by 20' pipe or larger i |                         |               | close.       |            | 0 0           |            |            |           |               |           |
| 0                | 5457                 | 0.000 Hascha                   |               | 10-081      | Juniper                | Temp. Crossing             | THP Non-Road            | III           |              | 0          | 0 0           | 0          | 0          | 0         | \$0           | 0         |
| Existing Skid    | 5457                 | 0.000 Unk                      | 10/15/20      |             | ECP Not                | Temp. Crossing             | Medium                  |               |              | 0          | 0             | 0          | 0          | 0         | \$0           | 0         |
|                  | Class III            | temporary ski                  | d xing. If w  | et at time  | ot operations install  | 4" by 20' pipe or larger i | t necessary. Dip out o  | rossing at    | close.       |            |               |            |            |           |               |           |

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| Road #           | GIS#       | Mile Plan                     | Final       | THP#          | THP Name                                          | Problem                       | Repair Type             | Cr. Clas     | s ſ         | RCs F    | Rock    | Left D     | Exca. | Truck    | Gra.     | Cost         | Total Yds |
|------------------|------------|-------------------------------|-------------|---------------|---------------------------------------------------|-------------------------------|-------------------------|--------------|-------------|----------|---------|------------|-------|----------|----------|--------------|-----------|
| Road Class       | ID#        | End Crew                      |             |               | ECP Number                                        | Solution                      | Priority/Shedule        |              |             |          | toon    | Right D    | Cat   |          | Yds      | \$/FSD       | FSD Yds   |
| 0                | 5409       | 0.000 Hascha                  |             | 10-081        |                                                   |                               | THP Non-Road            | III          |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5409       | 0.000 Hasena<br>0.000 Unk     | 10/15/20    |               | Juniper<br>ECP Not                                | Temp. Crossing Temp. Crossing | Medium                  | 111          |             | 0        | U       | 0          | 0     | 0        | 0        | \$0<br>\$0   | 0         |
| Existing Skid    |            |                               |             |               | of operations install 4"                          |                               |                         | rossing at   | -<br>close  | U        |         | U          | U     | U        | U        | \$0          | U         |
| 0                | 5407       | 0.000 Hascha                  |             | 10-081        | Juniper                                           | Temp. Crossing                | THP Non-Road            | III          | CIOSC.      | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5407       | 0.000 Husen                   |             |               | ECP Not                                           | Temp. Crossing                | Medium                  | -            | _           | 0        | Ü       | 0          | 0     | 0        | 0        | \$0<br>\$0   | 0         |
| Emoung sine      |            |                               |             |               | of operations install 4"                          | 1 0                           |                         | crossing at  | close.      | Ü        |         | Ŭ          |       | Ů        | v        | •            | Ü         |
| 0                | 5415       | 0.000 Hascha                  |             | 10-081        | Juniper                                           | Temp. Crossing                | THP Non-Road            | Spr.         |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5415       | 0.000 Unk                     | 10/15/20    | 014           | ECP Not                                           | Temp. Crossing                | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
| S                | install sr | ring drain 4" x               | 20' pipe i  | if wet at tir | ne of operations. Dip ou                          | 1 0                           | ns.                     |              |             |          |         |            |       |          |          |              |           |
| 0                | 5405       | 0.000 Hascha                  |             | 10-081        | Juniper                                           | Temp. Crossing                | THP Non-Road            | III          |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5405       | 0.000 Unk                     | 10/15/20    | 014           | ECP Not                                           | Temp. Crossing                | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | Class III  | temporary ski                 | d xing. If  | wet at time   | of operations install 4"                          | by 20' pipe or larger         | if necessary. Dip out o | crossing at  | close.      |          |         |            |       |          |          |              |           |
| 0                | 5410       | 0.000 Hascha                  | ak Pehl     | 10-081        | Juniper                                           | Temp. Crossing                | THP Non-Road            | III          |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5410       | 0.000 Unk                     | 10/15/20    | 014           | ECP Not                                           | Temp. Crossing                | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | Class III  | temporary ski                 | d xing. If  | wet at time   | of operations install 4"                          | by 20' pipe or larger         | if necessary. Dip out o | crossing at  | close.      |          |         |            |       |          |          |              |           |
| 0                | 5599       | 0.000 Hascha                  | ak Pehl     | 11-043        | Rose                                              | Temp. Crossing                | THP Non-Road            | III          |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5599       | 0.000 Unk                     | 10/17/20    | 014           | ECP Not                                           | Temp. Crossing                | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | Barely a   | class III. Hard               | to define   | at this poi   | nt. Lightly scrap off any                         | loose earth from this         | area at close of opera  | tions.       |             |          |         |            |       |          |          |              |           |
| 0                | 5589       | 0.000 Hascha                  | ak Pehl     | 11-043        | Rose                                              | Temp. Crossing                | THP Non-Road            | III          |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5589       | 0.000 Unk                     | 10/17/20    | 014           | ECP Not                                           | Temp. Crossing                | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | Existing   | skid crossing                 | on class II | I. Install 4  | or larger pipe if wet at                          | time of operations. D         | ip out at close.        |              |             |          |         |            |       |          |          |              |           |
| 0                | 5593       | 0.000 Hascha                  | ak Pehl     | 11-043        | Rose                                              | Gully                         | THP Non-Road            | III          |             | 0        | 0       | 0          | 2     | 0        | 0        | \$450        | 200       |
| Existing Skid    | 5593       | 0.000 Unk                     | 10/17/20    |               | GWDR 1-11-043 Me                                  |                               | Medium                  | -            | -           | 0        |         | 0          | 2     | 0        | 0        | \$2          | 200       |
|                  |            |                               |             |               | sing erosion. Recontour<br>the long run.This road |                               |                         |              |             |          | nat a p | iece of eq | uipme | nt go do | wn the t | hru cut froi | n the     |
| 0                | 5594       | 0.000 Hascha                  |             | 11-043        | Rose                                              | Temp. Crossing                | THP Non-Road            | Swale        |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5594       | 0.000 Unk                     | 10/17/20    | 014           | ECP Not                                           | Temp. Crossing                | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | skid xin   | g on class III. C             | o straigh   | t across. St  | ay out out of channel ex                          | cept to repair point #        | 6 below. Dip out any    | loose mater  | rial at clo | se.      |         |            |       |          |          |              |           |
| 0                | 5598       | 0.000 Hascha                  | ak Pehl     | 11-043        | Rose                                              | Temp. Crossing                | THP Non-Road            | Spr.         |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5598       | 0.000 Unk                     | 10/17/20    | 014           | ECP Not                                           | Temp. Crossing                | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | install 4' | or larger sprin               | ng drain if | wet at tim    | e of operations. Can be                           | left in if functioning        | or pulled and dipped o  | ut at close. |             |          |         |            |       |          |          |              |           |
| 0                | 5602       | 0.000 Hascha                  | ak Pehl     | 11-043        | Rose                                              | No Problem                    | THP Non-Road            | N/A          |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Existing Skid    | 5602       | 0.000 Unk                     | 10/17/20    | 014           | ECP Not                                           | Other                         | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | An exist   | ing skid trail a <sub>l</sub> | pproaches   | the road s    | ystem near a class II. Sk                         | id trail shall be slope       | d so that no significan | t sidecastin | g of soil   | shall oc | cur.    |            |       |          |          |              |           |
| 0                | 6093       | 0.000 Pehl                    | Pehl        | 10-081        | Juniper                                           | No Problem                    | THP ECP                 | N/A          |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Private Seasonal | 6093       | 0.000 Unk                     | 10/22/20    | 014           | GWDR 1-10-081                                     | No Action                     | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | Inspecte   | d progress of T               | HP Clean    | Up. Acce      | ss limited by soft roads.                         | No problems.                  |                         |              |             |          |         |            |       |          |          |              |           |
| 0                | 6116       | 0.000 Bennet                  | tt Bennet   | t 11-087      | Kestrel                                           | No Problem                    | THP ECP                 | N/A          |             | 0        | 0       | 0          | 0     | 0        | 0        | \$0          | 0         |
| Private Seasonal | 6116       | 0.000 Unk                     | 11/12/20    | 014           | GWDR 1-11-087 SC                                  | No Action                     | Medium                  | -            | -           | 0        |         | 0          | 0     | 0        | 0        | \$0          | 0         |
|                  | Inspecte   | d roads and wa                | tercourses  | s. No probl   | ems.                                              |                               |                         |              |             |          |         |            |       |          |          |              |           |
|                  |            |                               |             |               |                                                   |                               |                         |              |             |          |         |            |       |          |          |              |           |

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| Road #             | GIS#       | Mile Plan       | Final        | THP#          | THP Name                                    | Problem                   | Repair Type          | Cr. Class  | D           | RCs   | Rock    | Left D      | Exca.  | Truck     | Gra.    | Cost        | Total Yds |
|--------------------|------------|-----------------|--------------|---------------|---------------------------------------------|---------------------------|----------------------|------------|-------------|-------|---------|-------------|--------|-----------|---------|-------------|-----------|
| Road Class         | ID#        | End Crew        | Done         | Rd Pt         | ECP Number                                  | Solution                  | Priority/Shedule     | Old Dia    | New Dia     | a Ln  |         | Right D     | Cat    | Labor     | Yds     | \$/FSD      | FSD Yds   |
| 0                  | 6382       | 0.000 Bennet    | t Bennett    | 11-087        | Kestrel                                     | No Problem                | THP ECP              | N/A        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Private Seasonal   | 6382       | 0.000 Unk       | 1/21/2015    | 5             | GWDR 1-11-087 SO                            | No Action                 | Medium               | _          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    | Inspected  | l roads and wa  | tercourses.  | No proble     | ns.                                         |                           |                      |            |             |       |         |             |        |           |         |             |           |
| 0                  | 5535       | 0.000 Hascha    | k Bennett    | 11-087        | Kestrel                                     | Temp. Crossing            | THP Non-Road         | N/A        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Existing Skid      | 5535       | 0.000 R&S       | 2/3/2015     |               | ECP Not                                     | Temp. Crossing            | Medium               | -          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    | Skid trail | crossing of lo  | w area; ma   | y be moist    | until mid summer . Do                       | not use until operator l  | as inspected for dry | ness.      |             |       |         |             |        |           |         |             |           |
| 0                  | 6383       | 0.000 Bennet    | t Bennett    | 11-087        | Kestrel                                     | No Problem                | THP ECP              | N/A        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Private Seasonal   | 6383       | 0.000 Unk       | 7/9/2015     |               | GWDR 1-11-087 SO                            | No Action                 | Medium               | -          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    | Inspected  | l roads and wa  | tercourses.  | No proble     | ms.                                         |                           |                      |            |             |       |         |             |        |           |         |             |           |
| 0                  | 6381       | 0.000 Alden     | Alden        | 10-081        | Juniper                                     | No Problem                | THP ECP              | N/A        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Private Seasonal   | 6381       | 0.000 Unk       | 9/21/2015    | 5             | GWDR 1-10-081                               | No Action                 | Medium               | -          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    | Inspected  | l roads and wa  | tercourse c  | rossings.     |                                             |                           |                      |            |             |       |         |             |        |           |         |             |           |
|                    | No probl   | ems             |              |               |                                             |                           |                      |            |             |       |         |             |        |           |         |             |           |
| 0                  | 5787       | 0.000 Hascha    | k Bennett    | 12-087        | Alder                                       | Temp. Crossing            | THP Non-Road         | III        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Existing Skid      | 5787       |                 | 11/14/201    |               | ECP Not                                     | Temp. Crossing            | Medium               | _          | _           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
| e                  | Install 4" | or larger pipe  | if water is  | present at t  | ime of operations. Dip                      | out at close of operation | ns                   |            |             |       |         |             |        |           |         |             |           |
| 0                  | 5959       | 0.000 Hascha    |              |               | Buttercup                                   | Temp. Crossing            | THP Non-Road         | Spr.       |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Existing Skid      | 5959       | 0.000 Unk       | 10/15/201    | 18            | ECP Not                                     | Temp. Crossing            | Medium               | -          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    | Skid trail | crossing. Inst  | all spring d | lrain pipe (4 | 4" or larger) if wet at ti                  | me of operations.         |                      |            |             |       |         |             |        |           |         |             |           |
| 0                  | 5958       | 0.000 Hascha    | k Borcich    | 13-061        | Buttercup                                   | Temp. Crossing            | THP Non-Road         | III        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Existing Skid      | 5958       | 0.000 Unk       | 10/15/20     | 18            | ECP Not                                     | Temp. Crossing            | Medium               | -          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    | Skid trail | crossing. Dip   | out to grad  | le at close o | of operations.                              |                           |                      |            |             |       |         |             |        |           |         |             |           |
| 0                  | 5973       | 0.000 Hascha    | k Borcich    | 13-061        | Buttercup                                   | Temp. Crossing            | THP Non-Road         | Spr.       |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Existing Skid      | 5973       | 0.000 Unk       | 10/15/201    | 18            | ECP Not                                     | Temp. Crossing            | Medium               | -          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    | Skid trail | crossing. Insta | all spring d | lrain pipe 4  | inches or larger if wet                     | at time of operations     |                      |            |             |       |         |             |        |           |         |             |           |
| 0                  | 5974       | 0.000 Hascha    | k Borcich    | 13-061        | Buttercup                                   | Temp. Crossing            | THP Non-Road         | Spr.       |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Existing Skid      | 5974       | 0.000 Unk       | 10/15/20     | 18            | ECP Not                                     | Temp. Crossing            | Medium               | -          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    | Skid trail | crossing. Insta | all spring d | lrain pipe 4  | inches or larger if wet                     | at time of operations     |                      |            |             |       |         |             |        |           |         |             |           |
| 0                  | 5957       | 0.000 Hascha    | k Borcich    | 13-061        | Buttercup                                   | Temp. Crossing            | THP Non-Road         | III        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Existing Skid      | 5957       | 0.000 Unk       | 10/15/201    | 18            | GWDR 1-13-061 M                             | Temp. Crossing            | Medium               | -          | -           | 0     |         | 0           | 0      | 0         | 0       | \$0         | 0         |
|                    |            |                 |              |               | ions. Install rock or lar<br>down to grade. | ge woody debris as gra    | de control on the ou | tside edge | of this cro | ssing | since t | here is a d | rop at | the outsi | de edge | of the cros | sing      |
| 0                  | 6541       | 0.000           | Ghirann      |               | Elm                                         | Temp. Crossing            | THP Maint Insp       | N/A        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Private Seasonal   | 6743       | 0.000 Unk       | 6/10/2019    |               | ECP Not                                     | Temp. Crossing            | Medium               | -          | _           | 0     | -       | 0           | 0      | 0         | 0       | \$0         | 0         |
| 0                  | 6539       | 0.000           | Ghirann      |               | Elm                                         | Temp. Crossing            | THP Maint Insp       | N/A        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Private Seasonal   | 6737       | 0.000 Unk       | 6/11/2019    |               | ECP Not                                     | Temp. Crossing            | Medium               | -          | _           | 0     | -       | 0           | 0      | 0         | 0       | \$0         | 0         |
| 0                  | 5666       | 0.000           | Ghirann      |               | Elm                                         | Humboldt                  | THP Maint Insp       | N/A        |             | 0     | 0       | 0           | 0      | 0         | 0       | \$0         | 0         |
| Private Seasonal   | 6742       | 0.000 Unk       | 6/11/2019    |               | ECP Not                                     | Armored Ford              | Medium               | -          | _           | 0     | v       | 0           | 0      | 0         | 0       | \$0         | 0         |
| - 11. are Sousonar | J. 12      | OIR             | 5.11.201     |               |                                             |                           |                      |            |             | ,     |         | v           | ,      | v         | •       | ΨΟ          | v         |

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| Road #           | GIS#      | Mile Plan        | Final         | THP#   | THP Name   | Problem          | Repair Type      | Cr. Class |       | DRCs F | Rock | Left D  | Exca. | Truck | Gra. | Cost   | Total Yds |
|------------------|-----------|------------------|---------------|--------|------------|------------------|------------------|-----------|-------|--------|------|---------|-------|-------|------|--------|-----------|
| Road Class       | ID#       | End Crew         | Done          | Rd Pt  | ECP Number | Solution         | Priority/Shedule | Old Dia   | New [ | Dia Ln |      | Right D | Cat   | Labor | Yds  | \$/FSD | FSD Yds   |
| 0                | 6576      | 0.000            | Ghirann 1     | 17-104 | Elm        | Temp. Crossing   | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6726      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Temp. Crossing   | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 1002      | 0.000            | Ghirann 1     | 17-104 | Elm        | Culv.            | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6741      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Culv. Replace    | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 1003      | 0.000            | Ghirann 1     | 17-104 | Elm        | Temp. Crossing   | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6740      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Temp. Crossing   | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 1884      | 0.000            | Ghirann 1     | 17-104 | Elm        | Temp. Crossing   | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6738      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Temp. Crossing   | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6571      | 0.000            | Ghirann 1     | 17-104 | Elm        | Surface Drainage | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6735      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Dip Rolling      | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 1262      | 0.000            | Ghirann 1     | 17-104 | Elm        | Temp. Crossing   | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6730      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Temp. Crossing   | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6546      | 0.000            | Ghirann 1     | 17-104 | Elm        | Surface Drainage | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6729      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Dip Rolling      | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6580      | 0.000            | Ghirann 1     | 17-104 | Elm        | Surface Drainage | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6728      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Dip Rolling      | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6547      | 0.000            | Ghirann 1     | 17-104 | Elm        | Surface Drainage | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6727      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Dip Rolling      | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6054      | 0.000            | Ghirann 1     | 17-104 | Elm        | Surface Drainage | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6722      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Waterbar         | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6053      | 0.000            | Ghirann 1     | 17-104 | Elm        | Surface Drainage | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6720      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Waterbar         | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6544      | 0.000            | Ghirann 1     | 17-104 | Elm        | Temp. Crossing   | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6717      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Temp. Crossing   | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6543      | 0.000            | Ghirann 1     | 17-104 | Elm        | Temp. Crossing   | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6716      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Temp. Crossing   | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6542      | 0.000            | Ghirann 1     | 17-104 | Elm        | Temp. Crossing   | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6715      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Temp. Crossing   | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6540      | 0.000            | Ghirann 1     | 17-104 | Elm        | Gully            | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6714      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Waterbar         | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6548      | 0.000            | Ghirann 1     | 17-104 | Elm        | Slide - Deep     | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6712      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Other            | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| \$               | Slide ont | o road, still po | ssible to pas | s.     |            |                  |                  |           |       |        |      |         |       |       |      |        |           |
| 0                | 6545      | 0.000            | Ghirann 1     | 17-104 | Elm        | Temp. Crossing   | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6718      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Temp. Crossing   | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 0                | 6052      | 0.000            | Ghirann 1     | 17-104 | Elm        | Surface Drainage | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0    | 0         |
| Private Seasonal | 6721      | 0.000 Unk        | 6/11/2019     |        | ECP Not    | Waterbar         | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0    | 0         |
| 1                | road clos | ed               |               |        |            |                  |                  |           |       |        |      |         |       |       |      |        |           |

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| Road #           | GIS#      | Mile Plan                          | Final        | THP#         | THP Name             | Problem                    | Repair Type           | Cr. Class      | s [        | ORCs R   | ock Le    | ft D   | Exca.   | Truck    | Gra.      | Cost       | Total Yds |
|------------------|-----------|------------------------------------|--------------|--------------|----------------------|----------------------------|-----------------------|----------------|------------|----------|-----------|--------|---------|----------|-----------|------------|-----------|
| Road Class       | ID#       | End Crew                           | Done         | Rd Pt        | ECP Number           | Solution                   | Priority/Shedule      | Old Dia        | New D      | ia Ln    | Rig       | ght D  | Cat     | Labor    | Yds       | \$/FSD     | FSD Yds   |
| 0                | 6545      | 0.000 Hascha                       | k Borcich    | 17-104       | Elm                  | Temp. Crossing             | THP Non-Road          | III            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Existing Skid    | 6545      | 0.000 Unk                          | 10/15/201    |              | ECP Not              | Temp. Crossing             | Medium                | _              | _          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
|                  | Dip out a | t close of opera                   | ations.      |              |                      | 1 0                        |                       |                |            |          |           |        |         |          |           |            |           |
| 0                | 6540      | 0.000 Hascha                       |              | 17-104       | Elm                  | Gully                      | THP Non-Road          | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$100      | 100       |
| Existing Skid    | 6540      | 0.000 Unk                          | 10/15/20     | 19           | GWDR-1-17-104        | SO Waterbar                | Medium                | -              | -          | 0        |           | 0      | 1       | 0        | 0         | \$1        | 100       |
|                  |           | rid trail a coup<br>e berm half wa |              |              | _                    | s channeling a small amou  | int of water. Reuse o | f this trail v | will allow | for corr | ective ac | ion. P | lace la | rge wate | rbar at 1 | he top and | l         |
| 0                | 6542      | 0.000 Hascha                       | k Borcich    | 17-104       | Elm                  | Temp. Crossing             | THP Non-Road          | III            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Existing Skid    | 6542      | 0.000 Unk                          | 10/15/201    | 19           | ECP Not              | Temp. Crossing             | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
| 7                | Very poo  | rly defined cla                    | ss III. Dip  | out or mou   | nd up on either side | so as to not divert it.    |                       |                |            |          |           |        |         |          |           |            |           |
| 0                | 6543      | 0.000 Hascha                       | k Borcich    | 17-104       | Elm                  | Temp. Crossing             | THP Non-Road          | III            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Existing Skid    | 6543      | $0.000~\mathrm{Unk}$               | 10/15/20     | 19           | ECP Not              | Temp. Crossing             | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
|                  | Dip out a | t close of oper                    | ations.      |              |                      |                            |                       |                |            |          |           |        |         |          |           |            |           |
| 0                | 6544      | 0.000 Hascha                       | k Borcich    | 17-104       | Elm                  | Temp. Crossing             | THP Non-Road          | III            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Existing Skid    | 6544      | 0.000 Unk                          | 10/15/201    | 19           | ECP Not              | Temp. Crossing             | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
|                  | Dip out a | t close of oper                    | ations.      |              |                      |                            |                       |                |            |          |           |        |         |          |           |            |           |
| 0                | 803       | 0.200                              | Ghirann      | Maintena     | Maintenance          | Worn Out Culvert           | Maintenance           | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Private Seasonal | 6765      | 0.000 Unk                          | 6/11/2019    | 9            | ECP Not              | Culv. Replace              | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
| r                | rusted at | outlet                             |              |              |                      |                            |                       |                |            |          |           |        |         |          |           |            |           |
| 0                | 822       | 0.250                              | Ghirann      | Maintena     | Maintenance          | Worn Out Culvert           | Maintenance           | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Private Seasonal | 6760      | 0.000 Unk                          | 6/11/2019    | 9            | ECP Not              | Other                      | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
|                  |           | ut rusting                         |              |              |                      |                            |                       |                |            |          |           |        |         |          |           |            |           |
| 0                | 2264      | 0.280                              |              | Maintena     |                      | Worn Out Culvert           | Maintenance           | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Private Seasonal | 6766      | 0.000 Unk                          | 6/11/2019    |              | ECP Not              | Culv. Replace              | High                  | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
| i                |           |                                    |              |              |                      | diment, appears water is r |                       | •              |            |          |           |        |         |          |           |            |           |
| 0                | 934       | 0.675                              |              |              | Maintenance          | Worn Out Culvert           | Maintenance           | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Private Seasonal | 6759      | 0.000 Unk                          | 6/11/2019    |              | ECP Not              | Culv. Replace              | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
| i                |           | rusted and par                     |              |              |                      |                            |                       |                |            |          |           |        |         |          |           |            |           |
| 0                | 818       | 0.710                              |              | Maintena     | Maintenance          | Culv.                      | Maintenance           | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Private Seasonal | 6761      | 0.000 Unk                          | 6/11/2019    |              | ECP Not              | Culv. Maintenance          | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
|                  |           | tially crushed.                    |              |              |                      |                            |                       | **/.           |            |          |           |        |         |          |           |            |           |
| 0                | 933       | 0.770                              |              | Maintena     | Maintenance          | Surface Drainage           | Maintenance           | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Private Seasonal | 6758      | 0.000 Unk                          | 6/11/2019    | )            | ECP Not              | Rock Surface               | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
| <del></del>      | pooling o |                                    | G1:          |              |                      | a t was n                  |                       | 27/1           |            |          |           |        |         |          |           | ***        | ^         |
| 0                | 118       | 1.000                              |              | Maintena     | Maintenance          | CulvHDP-Plug               | Maintenance           | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Private Seasonal | 6767      | 0.000 Unk                          | 6/11/2019    |              | ECP Not              | Culv. Maintenance          | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
|                  |           | et 2/3 filled wi                   |              |              |                      | W. O.G.                    |                       | 27/4           |            |          | 0         | 0      | -       |          | 0         | Φ.         | ^         |
| 0                | 811       | 1.270                              |              | Maintena     |                      | Worn Out Culvert           | Maintenance           | N/A            |            | 0        | 0         | 0      | 0       | 0        | 0         | \$0        | 0         |
| Private Seasonal | 6763      | 0.000 Unk                          | 6/11/2019    |              | ECP Not              | Culv. Replace              | Medium                | -              | -          | 0        |           | 0      | 0       | 0        | 0         | \$0        | 0         |
| 1                | projected | outlet, downc                      | utting. Inle | et bottom co | ompletely rusted out | •                          |                       |                |            |          |           |        |         |          |           |            |           |

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**Completed Road Work** 

| Road #           | GIS#       | Mile Plan        | Final       | THP#          | THP Name               | Problem                                            | Repair Type      | Cr. Class | 5 D    | RCs F | Rock | Left D  | Exca. | Truck | Gra. | Cost    | Total Yds |
|------------------|------------|------------------|-------------|---------------|------------------------|----------------------------------------------------|------------------|-----------|--------|-------|------|---------|-------|-------|------|---------|-----------|
| Road Class       | ID#        | End Crew         | Done        | Rd Pt         | ECP Number             | Solution                                           | Priority/Shedule | Old Dia   | New Di | a Ln  |      | Right D | Cat   | Labor | Yds  | \$/FSD  | FSD Yds   |
| 0                | 806        | 1.660            | Ghirann     | Maintena      | Maintenance            | Worn Out Culvert                                   | Maintenance      | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 6768       | 0.000 Unk        | 6/11/201    | 9             | ECP Not                | Culv. Replace                                      | Medium           | _         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | outlet pro | jected, downc    | utting, bot | tom rusted    | out.                   |                                                    |                  |           |        |       |      |         |       |       |      |         |           |
| 0                | 796        | 2.110            | Ghirann     | Maintena      | Maintenance            | Culv.                                              | Maintenance      | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 6769       | 0.000 Unk        | 6/11/201    | 9             | ECP Not                | Other                                              | Medium           | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | down cut   | ting at bottom   | of down s   | pout          |                        |                                                    |                  |           |        |       |      |         |       |       |      |         |           |
| 0                | 788        | 2.620            | Ghirann     | Maintena      | Maintenance            | CulvPlug                                           | Maintenance      | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 6770       | 0.000 Unk        | 6/11/201    | 9             | ECP Not                | Culv. Replace                                      | Medium           | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | culvert 3  | 4 filled with se | ediment, p  | artially crus | shed at inlet.         |                                                    |                  |           |        |       |      |         |       |       |      |         |           |
| 1.03             | 1127       | 0.130 Alden      | Alden       | Maintena      | Maintenance            | No Problem                                         | Maintenance      | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1127       | 0.000 Unk        | 12/5/200    | 0             | ECP Not                | Gate                                               | Low              | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 1.03             | 2509       | 0.420 Fisher     | Pehl        | 05-023        | Clover                 | Surface Drainage                                   | THP Mitigation   | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 295       |
| Storm Proofed    | 2509       | 1.020 R&S        | 10/2/200    | 7             | 1B105023MEN            | Tip and Dip                                        | THP Low          | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 293       |
|                  | Trespasse  | ers have damag   | ged road d  | rainage stru  | cutres. Re-install aft | er operations.                                     |                  |           |        |       |      |         |       |       |      |         |           |
| 1.03             | 3114       | 1.500 Alden      | Alden       | Maintena      | Maintenance            | No Problem                                         | Maintenance      | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 3114       | 0.000 Unk        | 1/23/200    | 7             | ECP Not                | Gate                                               | No Action        | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Moonrise   | gate at Old St   | age Road    |               |                        |                                                    |                  |           |        |       |      |         |       |       |      |         |           |
| 1.0335           | 5965       | 0.100 Hascha     | k Borcich   | 13-061        | Buttercup              | Temp. Crossing                                     | THP App. Rd.     | III       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 5965       | 0.000 Unk        | 10/15/20    | 18            | ECP Not                | Temp. Crossing                                     | Medium           | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Dip out.   |                  |             |               |                        |                                                    |                  |           |        |       |      |         |       |       |      |         |           |
| 1.0335           | 5964       | 0.110 Hascha     | k Borcich   | 13-061        | Buttercup              | Temp. Crossing                                     | THP App. Rd.     | Swale     |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 5964       | 0.000 Unk        | 10/15/20    | 18            | ECP Not                | Temp. Crossing                                     | Medium           | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Dip out.   |                  |             |               |                        |                                                    |                  |           |        |       |      |         |       |       |      |         |           |
| 1.033507         | 5911       | 0.000 Alden      | Alden       | Maintena      | Maintenance            | No Problem                                         | Assessment       | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 5911       | 0.090 Unk        | 2/26/201    | 3             | ECP Not                | No Action                                          | Medium           | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 1.0364           | 2510       | 0.000 Fisher     | Pehl        | 05-023        | Clover                 | Surface Drainage                                   | THP Mitigation   | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 198       |
| Upgraded         | 2510       | 0.400 R&S        | 10/2/200    | 7             | 1B105023MEN            | Tip and Dip                                        | THP Low          | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 196       |
| 1.14             | 3142       | 0.030 Alden      | Alden       | Maintena      | Maintenance            | No Problem                                         | Maintenance      | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$1,269 | 0         |
| Private Seasonal | 3142       | 0.000 R&S        | 2/26/200    | 7             | ECP Not                | Gate                                               | Medium           | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Install bl | ocks and gate    |             |               |                        |                                                    |                  |           |        |       |      |         |       |       |      |         |           |
| 1.25             | 934        | 0.675 Tordof     | f Borcich   | SB-271-0      | SB-271-00              | CulvHDP-Plug                                       | THP Not          | II        |        | 0     | 0    | 0       | 6     | 0     | 0    | \$7,150 | 134       |
| Private Seasonal | 934        | 0.000 Unk        | 11/8/202    | 3             | ECP Not                | Culv. Replace                                      | High             | 36"       | 60"    | 80    |      | 0       | 6     | 4     | 124  | \$53    | 134       |
|                  | receives   | year round traf  | fic Treatm  |               |                        | nlet indicates past inlet of CMP, rebuild crossing |                  |           |        |       |      |         |       |       |      |         |           |
|                  |            | rrect turn align |             |               |                        |                                                    |                  |           |        |       |      |         |       |       |      |         |           |
| 1.25             | 2661       | 1.100 Pehl       | Pehl        | 00-391        | Terrapin Station       | No Problem                                         | THP Maint Insp   | N/A       |        | 0     | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2661       | 2.400 Unk        | 12/20/20    | 05            | ECP Not                | No Action                                          | See Comments     | -         | -      | 0     |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Wet weat   | ther road inspe  | ction. / Co | mpletion I    | aspection.             |                                                    |                  |           |        |       |      |         |       |       |      |         |           |

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| Road #           | GIS#       | Mile Plan        | Final        | THP#         | THP Name               | Problem                                             | Repair Type          | Cr. Class      | s [        | RCs R    | ock    | Left D   | Exca.   | Truck     | Gra.      | Cost        | Total Yds |
|------------------|------------|------------------|--------------|--------------|------------------------|-----------------------------------------------------|----------------------|----------------|------------|----------|--------|----------|---------|-----------|-----------|-------------|-----------|
| Road Class       | ID#        | End Crew         | Done         | Rd Pt        | ECP Number             | Solution                                            | Priority/Shedule     | Old Dia        | New D      | a Ln     |        | Right D  | Cat     | Labor     | Yds       | \$/FSD      | FSD Yds   |
| 1.25             | 2680       | 1.100 Pehl       | Pehl         | 00-391       | Terrapin Station       | No Problem                                          | THP Maint Insp       | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 0         |
| Private Seasonal | 2680       | 2.000 Unk        | 12/28/20     | 05           | ECP Not                | No Action                                           | No Action            | -              | _          | 0        |        | 0        | 0       | 0         | 0         | \$0         | 0         |
| ,                | Wet wear   | ther inspection. | Pipes ok     | ay. Everytl  | ning very wet after 5" | of rain in previous 24 h                            | ours.                |                |            |          |        |          |         |           |           |             |           |
| 1.25             | 2681       | 1.100 Pehl       | Pehl         | 01-392       | Box of Rain            | No Problem                                          | THP Maint Insp       | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 0         |
| Private Seasonal | 2681       | 2.000 Unk        | 12/28/20     | 05           | ECP Not                | No Action                                           | No Action            | -              | -          | 0        |        | 0        | 0       | 0         | 0         | \$0         | 0         |
| ,                | Wet wear   | ther inspection. | Pipes ok     | ay. Everytl  | ning very wet after 5" | of rain in previous 24 h                            | ours.                |                |            |          |        |          |         |           |           |             |           |
| 1.25             | 1106       | 1.300 Alden      | Alden        | Maintena     | Maintenance            | No Problem                                          | Maintenance          | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 0         |
| Private Seasonal | 1106       | 0.000 Unk        | 12/5/200     | 0            | ECP Not                | Gate                                                | Low                  | -              | -          | 0        |        | 0        | 0       | 0         | 0         | \$0         | 0         |
| 1.25             | 5728       | 1.300 Chidlaw    | V Chidlaw    | Maintena     | Maintenance            | Other                                               | Maintenance          | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$687       | 0         |
| Private Seasonal | 5728       | 3.100            | 8/1/2011     |              | ECP Not                | Herbicides                                          | Medium               | -              | -          | 0        |        | 0        | 0       | 18        | 0         | \$0         | 0         |
| 1.25             | 557        | 1.400 William    | Kelly        | Storm Pro    | Storm Proofing         | Surface Drainage                                    | THP App. Rd.         | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 0         |
| Private Seasonal | 557        | 4.200 Su         | 10/10/19     | 99           | ECP Not                | Dip Rolling                                         | Medium               | -              | -          | 0        |        | 0        | 13      | 0         | 0         | \$0         | 0         |
| 1.25             | 557        | 1.400 William    | Alden        | Maintena     | Maintenance            | Surface Drainage                                    | THP App. Rd.         | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$750       | 0         |
| Private Seasonal | 988        | 4.200 ME         | 7/15/200     | 0            | ECP Not                | Dip Rolling                                         | Medium               | -              | -          | 0        |        | 0        | 10      | 0         | 0         | \$0         | 0         |
| 1.25             | 2937       | 1.500 Pehl       | Pehl         | Maintena     | Maintenance            | Surface Drainage                                    | Maintenance          | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 1,628     |
| Upgraded         | 2937       | 4.830 R&S        | 7/25/200     | 6            | ECP Not                | Tip and Dip                                         | Medium               | -              | -          | 0        |        | 0        | 0       | 0         | 0         | \$0         | 1,628     |
| 1.25             | 1066       | 1.810 Haschal    | k Pehl       | 00-391       | Terrapin Station       | Other                                               | THP App. Rd.         | II             |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 0         |
| Private Seasonal | 1066       | 0.000 AL         | 10/15/20     | 04           | ECP Not                | Other                                               | Low                  | -              | -          | 0        |        | 0        | 0       | 0         | 0         | \$0         | 0         |
|                  | An existi  | ng haul road en  | ters the V   | VLPZ of a c  | lass II watercourse fo | r a very short distance.                            | No sidecasting while | grading th     | rough thi  | s area.  |        |          |         |           |           |             |           |
| 1.25             | 2132       | 1.900 Haschal    | k Pehl       | 03-020       | Madrone                | Surface Drainage                                    | THP App. Rd.         | Spr.           |            | 0        | 0      | 0        | 1       | 0         | 0         | \$90        | 0         |
| Private Seasonal | 2132       | 1.900 AL         | 11/15/20     | 04           | ECP Not                | Dip Rolling                                         | Medium               | -              | -          | 0        |        | 0        | 1       | 0         | 0         | \$0         | 0         |
|                  |            |                  |              |              |                        | point (where another rol                            |                      |                |            |          |        |          |         |           |           | the spring  |           |
|                  |            |                  |              |              |                        | the rare plant area that                            |                      |                | h side of  | the road |        |          |         | th a fend |           | 0.555       |           |
| 1.25             | 1864       | 3.100 Haschal    |              | 01-392       | Box of Rain            | Surface Drainage                                    | THP App. Rd.         | N/A            |            | 0        | 0      | 0        | 5       | 0         | 0         | \$575       | 0         |
| Private Seasonal | 1864       | 0.000            | 5/30/200     | -            | ECP Not                | Excavate Soil                                       | Medium               | -              | -          |          | •      | 0        | 5       | 0         | 0         | \$0         | 0         |
|                  |            |                  |              |              |                        | he berm in these areas a<br>toward the road and roa |                      |                |            |          |        |          |         |           |           |             |           |
|                  |            |                  |              |              |                        | olling dips at standard in                          |                      | 0113, 110III I | icic and i | TOIN OUN | JI 100 | auons on | ine pro | porty, n  | ı orucı ı | o raise the | 1044      |
| 1.25             | 1763       | 3.500 Haschal    |              | 01-392       | Box of Rain            | Stream Bank                                         | THP App. Rd.         | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 0         |
| Private Seasonal | 1763       | 0.000 AL         | 10/15/20     | 04           | ECP Not                | Culv. Install                                       | Medium               | _              | -          | 0        |        | 0        | 1       | 0         | 0         | \$0         | 0         |
| i                | install sp | ring drain with  | critical di  | p or install | rocked rolling dip     |                                                     |                      |                |            |          |        |          |         |           |           |             |           |
| 1.25             | 1870       | 3.650 Haschal    | c Pehl       | 01-392       | Box of Rain            | Fill - Road                                         | THP App. Rd.         | N/A            |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 0         |
| Private Seasonal | 1870       | 0.000 AL         | 10/15/20     | 04           | ECP Not                | Excavate Soil                                       | Medium               | -              | -          | 0        |        | 0        | 0       | 0         | 0         | \$0         | 0         |
| •                | The road   | at this point wi | ill be out s | sloped, the  | perched fill pulled ba | ck and incorporated into                            | o the road surface.  |                |            |          |        |          |         |           |           |             |           |
| 1.25             | 777        | 3.700 Haschal    | k Pehl       | 01-392       | Box of Rain            | Surface Drainage                                    | THP App. Rd.         | II             |            | 0        | 0      | 0        | 0       | 0         | 0         | \$0         | 87        |
| Private Seasonal | 1796       | 0.000 AL         | 10/15/20     | 04           | ECP Not                | Other                                               | Medium               | 24"            | 36"        | 0        |        | 0        | 1       | 0         | 0         | \$0         | 87        |
| i                | inslope r  | oad over culver  | t            |              |                        |                                                     |                      |                |            |          |        |          |         |           |           |             |           |

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| Road #           | GIS#            | Mile Plan        | Final        | THP#          | THP Name                                     | Problem                                                       | Repair Type            | Cr. Class   |           | DRCs R    |            |           | ca. Truc    |            | Cost         | Total Yds |
|------------------|-----------------|------------------|--------------|---------------|----------------------------------------------|---------------------------------------------------------------|------------------------|-------------|-----------|-----------|------------|-----------|-------------|------------|--------------|-----------|
| Road Class       | ID#             | End Crew         | Done         | Rd Pt         | ECP Number                                   | Solution                                                      | Priority/Shedule       | Old Dia     | New E     | )ia Ln    | Righ       | t D C     | at Labo     | r Yds      | \$/FSD       | FSD Yds   |
| 1.25             | 777             | 3.700 McCan      | 1 Borcich    | SB-271-0      | SB-271-00                                    | Culv.                                                         | Storm Proofing         | II          |           | 0         | 0          | 0 8       | 8           | 0          | \$4,933      | 87        |
| Private Seasonal | 777             | 0.000 Unk        | 11/8/2023    | 3             | ECP Not                                      | Culv. Replace                                                 | Medium                 | 24"         | 36"       | 50        |            | 0 9       | 5           | 289        | \$57         | 87        |
|                  |                 |                  |              |               | gh in fill cmp funct<br>r both inlet and out | tioning OK but appears und                                    | lersized outlet is sho | t gunned ar | nd DS is  | not worki | ng treat:  | excavat   | e top to be | ot replace | e with 36" c | mp at     |
| 1.25             | 1797            | 3.750 Hascha     | _            | 01-392        | Box of Rain                                  | Cut Bank Failure                                              | THP App. Rd.           | N/A         |           | 0         | 0          | 0 0       | 0           | 0          | \$0          | 0         |
| Private Seasonal | 1797            | 0.000 AL         | 10/15/200    | )4            | ECP Not                                      | Excavate Soil                                                 | Medium                 | -           | -         | 0         |            | 0 0       | 0           | 0          | \$0          | 0         |
|                  | Also exc        | avate any outbo  | oard fill th | at is feasibl | le adjacent to this r                        | oad point while still maint                                   | aining the road widtl  | h           |           |           |            |           |             |            |              |           |
| 1.25             | 1862            | 3.790 Hascha     | k Pehl       | 01-392        | Box of Rain                                  | Fill - Road                                                   | THP App. Rd.           | N/A         |           | 0         | 0          | 0 3       | 0           | 0          | \$345        | 0         |
| Private Seasonal | 1862            | 0.000 R&S        | 5/30/2000    | 5             | ECP Not                                      | Excavate Soil                                                 | Medium                 | -           | -         | 0         |            | 0 0       | 0           | 0          | \$0          | 0         |
| 1                | the slide       |                  | ecommend     | •             |                                              | ll an inverse dip (build roa<br>bank. Up to five feet of fill | U 1/                   |             |           |           |            |           |             |            |              | -         |
| 1.25             | 775             | 3.890 Hascha     | k Pehl       | 01-392        | Box of Rain                                  | Culv.                                                         | THP App. Rd.           | III         |           | 0         | 0          | 0 0       | 1           | 0          | \$75         | 80        |
| Private Seasonal | 1789            | 0.000 R&S        | 5/30/2000    | 5             | ECP Not                                      | Culv. Replace                                                 | High                   | 18"         | 24"       | 0         |            | 0 1       | 0           | 0          | \$1          | 80        |
|                  | install ro      | cked rolling dip | p at neares  | t low spot    | to this point                                |                                                               |                        |             |           |           |            |           |             |            |              |           |
| 1.25             | 775             | 3.890 McCan      |              | SB-271-0      | SB-271-00                                    | Culv.                                                         | Storm Proofing         | III         |           | 0         | 0          | 0 5       | 3           | 0          | \$2,616      | 80        |
| Private Seasonal | 775             | 0.000 Unk        | 11/8/2023    | 3             | ECP Not                                      | Culv. Replace                                                 | High                   | 18"         | 24"       | 50        |            | 0 6       | 4           | 189        | \$33         | 80        |
|                  | a 18" cm<br>C.D | p on a class 3   | low gradio   | ent and hig   | h in fill . A 15 yrd.                        | Failure at outlet. Treat: ex                                  | cavate top to bot. R   | eplace with | 1 24" cm  | at grade  | endhaul s  | poil to l | eft. Inslo  | pe road o  | over crossin | g add     |
| 1.25             | 774             | 3.900 McCan      | 1            | Maintena      | Maintenance                                  | Culv.                                                         | THP App. Rd.           | III         |           | 0         | 0          | 0 1       | 0           | 0          | \$425        | 0         |
| Private Seasonal | 774             | 0.000 Unk        | 5/30/2000    | 5             | ECP Not                                      | Culv. Maintenance                                             | Medium                 | 24"         | -         | 0         |            | 0 1       | 4           | 0          | \$0          | 0         |
|                  | clear inle      | t and outlet add | d 20' of D.  | S add crit    | ical dip                                     |                                                               |                        |             |           |           |            |           |             |            |              |           |
| 1.25             | 774             | 3.900 Hascha     | k Pehl       | 01-392        | Box of Rain                                  | Culv.                                                         | THP App. Rd.           | III         |           | 0         | 0          | 0 1       | 0           | 0          | \$205        | 0         |
| Private Seasonal | 1776            | 0.000 R&S        | 5/30/2006    | 5             | ECP Not                                      | Culv. Maintenance                                             | Medium                 | 24"         | -         | 0         |            | 0 1       | 4           | 0          | \$0          | 0         |
|                  |                 | t and outlet add |              | -             | -                                            |                                                               |                        |             |           |           |            |           |             |            |              |           |
| 1.25             | 771             | 4.020 Hascha     |              | 01-392        | Box of Rain                                  | Surface Drainage                                              | THP App. Rd.           | III         |           | 0         |            | 0 0       |             | 0          | \$90         | 0         |
| Private Seasonal | 1798            |                  | 6/12/2006    | 6             | ECP Not                                      | Dip Critical                                                  | Medium                 | -           | 24"       | 0         |            | 0 1       | 0           | 0          | \$0          | 0         |
| -                |                 | cal dip over cu  |              |               |                                              |                                                               |                        |             |           |           |            |           |             |            |              |           |
| 1.25             | 771             | 4.020 McCan      |              |               |                                              | Culv.                                                         | Storm Proofing         | III         |           | 0         |            | 0 11      |             | 0          | \$4,771      | 115       |
| Private Seasonal | 771             |                  | 11/8/2023    |               | ECP Not                                      | Culv. Replace                                                 | Medium                 | 18"         | 24"       | 40        |            | 0 12      |             | 482        | \$41         | 115       |
|                  |                 |                  |              |               | above inlet of cmp<br>establish channel a    | o and emerges 30' below ou<br>add critical dip .              | tlet during peak eve   | nt cmp carr | ies flow. | Treat: e  | xcavate to | to bot    | install 24  | " cmp to   | grade endl   | naul      |
| 1.25             | 2688            | 4.100 Pehl       | Pehl         | 01-392        | Box of Rain                                  | No Problem                                                    | THP Maint Insp         | N/A         |           | 0         | 0          | 0 0       | 0           | 0          | \$0          | 0         |
| Private Seasonal | 2688            | 4.800 Unk        | 12/28/200    | )5            | ECP Not                                      | No Action                                                     | No Action              | -           | -         | 0         |            | 0 0       | 0           | 0          | \$0          | 0         |
|                  | Wet wear        | ther inspection. | . Pipes ok   | ay. Everyt    | hing very wet after                          | 5" of rain in previous 24 h                                   | ours.                  |             |           |           |            |           |             |            |              |           |
| 1.25             | 5719            | 4.100 Chidlay    | w Chidlaw    | Maintena      | Maintenance                                  | Other                                                         | Maintenance            | N/A         |           | 0         | 0          | 0 0       | 0           | 0          | \$276        | 0         |
| Private Seasonal | 5719            | 4.800            | 8/1/2011     |               | ECP Not                                      | Herbicides                                                    | Medium                 | -           | -         | 0         |            | 0 0       | 7           | 0          | \$0          | 0         |
| 1.25             | 765             | 4.120 Hascha     | k Pehl       | 01-392        | Box of Rain                                  | Culv.                                                         | THP App. Rd.           | III         |           | 0         | 0          | 0 0       | 0           | 0          | \$90         | 0         |
| Private Seasonal | 1775            | 0.000~R&S        | 5/30/2006    | 5             | ECP Not                                      | Dip Critical                                                  | Medium                 | -           | -         | 0         |            | 0 1       | 0           | 0          | \$0          | 0         |
| ;                | add critic      | al dip           |              |               |                                              |                                                               |                        |             |           |           |            |           |             |            |              |           |

Thursday, November 9, 2023 Completed Road Work Page 13 of 70

| Road #                                                                                                   | GIS#                                                                                                                                                             | Mile Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Final                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | THP#                                                                                         | THP Name                                                                                                                                                                              | Problem                                                                                                                                                                                                                                                      | Repair Type                                                                                                                                                                                                                   | Cr. Class                                                        |            |                           | Rock                 | Left D                                                                    |                                                  | Truck                                                   | Gra.                                                         | Cost                                                                             | Total Yds                         |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------|---------------------------|----------------------|---------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------|
| Road Class                                                                                               | ID#                                                                                                                                                              | End Crew                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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                                                                                                                                                                                 | Rd Pt                                                                                        | ECP Number                                                                                                                                                                            | Solution                                                                                                                                                                                                                                                     | Priority/Shedule                                                                                                                                                                                                              | Old Dia                                                          | New D      | ia Ln                     |                      | Right D                                                                   | Cat                                              | Labor                                                   | Yds                                                          | \$/FSD                                                                           | FSD Yds                           |
| 1.25                                                                                                     | 765                                                                                                                                                              | 4.120 McCan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 Borcich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Maintena                                                                                     | Maintenance                                                                                                                                                                           | Culv.                                                                                                                                                                                                                                                        | THP App. Rd.                                                                                                                                                                                                                  | III                                                              |            | 0                         | 0                    | 0                                                                         | 0                                                | 0                                                       | 0                                                            | \$100                                                                            | 0                                 |
| Private Seasonal                                                                                         | 765                                                                                                                                                              | 0.000 Unk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 11/8/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                                                                                            | ECP Not                                                                                                                                                                               | Dip Critical                                                                                                                                                                                                                                                 | Medium                                                                                                                                                                                                                        | -                                                                | -          | 0                         |                      | 0                                                                         | 1                                                | 0                                                       | 0                                                            | \$0                                                                              | 0                                 |
|                                                                                                          | add critic                                                                                                                                                       | al dip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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 |            |                           |                      |                                                                           |                                                  |                                                         |                                                              |                                                                                  |                                   |
| 1.25                                                                                                     | 764                                                                                                                                                              | 4.150 McCan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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                                                                                                                                                                                 | Maintena                                                                                     | Maintenance                                                                                                                                                                           | Dip Critical                                                                                                                                                                                                                                                 | THP App. Rd.                                                                                                                                                                                                                  | N/A                                                              |            | 0                         | 0                    | 0                                                                         | 0                                                | 1                                                       | 0                                                            | \$190                                                                            | 5                                 |
| Private Seasonal                                                                                         | 764                                                                                                                                                              | 0.000 Unk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5/30/2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                                                                                            | ECP Not                                                                                                                                                                               | Rock Surface                                                                                                                                                                                                                                                 | Medium                                                                                                                                                                                                                        | -                                                                | -          | 0                         |                      | 0                                                                         | 1                                                | 0                                                       | 0                                                            | \$38                                                                             | 5                                 |
|                                                                                                          | a rolling                                                                                                                                                        | dip on a class 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 a small a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | mount of c                                                                                   | outlet erosion approx                                                                                                                                                                 | x. 2 yrds. Treat: inhanc                                                                                                                                                                                                                                     | e rolling dip and rock                                                                                                                                                                                                        | surface and                                                      | d outlet a | rea                       |                      |                                                                           |                                                  |                                                         |                                                              |                                                                                  |                                   |
| 1.25                                                                                                     | 764                                                                                                                                                              | 4.150 Hascha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                                                                                                 | 01-392                                                                                       | Box of Rain                                                                                                                                                                           | Dip Critical                                                                                                                                                                                                                                                 | THP App. Rd.                                                                                                                                                                                                                  | N/A                                                              |            | 0                         | 0                    | 0                                                                         | 0                                                | 1                                                       | 0                                                            | \$165                                                                            | 5                                 |
| Private Seasonal                                                                                         | 1774                                                                                                                                                             | 0.000 R&S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5/30/2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                                                                                            | ECP Not                                                                                                                                                                               | Rock Surface                                                                                                                                                                                                                                                 | Medium                                                                                                                                                                                                                        | -                                                                | -          | 0                         |                      | 0                                                                         | 1                                                | 0                                                       | 0                                                            | \$33                                                                             | 5                                 |
|                                                                                                          | a rolling                                                                                                                                                        | dip on a class 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 a small a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | mount of c                                                                                   | outlet erosion approx                                                                                                                                                                 | x. 2 yrds. Treat: enhanc                                                                                                                                                                                                                                     | e rolling dip and rock                                                                                                                                                                                                        | outlet area                                                      | ļ          |                           |                      |                                                                           |                                                  |                                                         |                                                              |                                                                                  |                                   |
| 1.2502                                                                                                   | 2312                                                                                                                                                             | 0.000 Pehl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                 | 00-443                                                                                       | Shell                                                                                                                                                                                 | No Problem                                                                                                                                                                                                                                                   | THP Maint Insp                                                                                                                                                                                                                | N/A                                                              |            | 0                         | 0                    | 0                                                                         | 0                                                | 0                                                       | 0                                                            | \$0                                                                              | 0                                 |
| Private Seasonal                                                                                         | 2312                                                                                                                                                             | 0.000 Unk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12/9/2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                                                                                            | ECP Not                                                                                                                                                                               | No Action                                                                                                                                                                                                                                                    | Medium                                                                                                                                                                                                                        | -                                                                | -          | 0                         |                      | 0                                                                         | 0                                                | 0                                                       | 0                                                            | \$0                                                                              | 0                                 |
|                                                                                                          | Examime                                                                                                                                                          | d erosion cont                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                                                                 | ls used in s                                                                                 | ummer of 2003.                                                                                                                                                                        |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                               |                                                                  |            |                           |                      |                                                                           |                                                  |                                                         |                                                              |                                                                                  |                                   |
| 1.2502                                                                                                   | 1108                                                                                                                                                             | 0.500 Alden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Alden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Maintena                                                                                     | Maintenance                                                                                                                                                                           | No Problem                                                                                                                                                                                                                                                   | Maintenance                                                                                                                                                                                                                   | N/A                                                              |            | 0                         | 0                    | 0                                                                         | 0                                                | 0                                                       | 0                                                            | \$0                                                                              | 0                                 |
| D 1                                                                                                      | 1108                                                                                                                                                             | 0.000 Unk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12/5/2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | )                                                                                            | ECP Not                                                                                                                                                                               | Gate                                                                                                                                                                                                                                                         | Low                                                                                                                                                                                                                           | -                                                                | -          | 0                         |                      | 0                                                                         | 0                                                | 0                                                       | 0                                                            | \$0                                                                              | 0                                 |
| Private Seasonal                                                                                         |                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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 |            | 0                         | 0                    | 0                                                                         | 0                                                | 0                                                       | 0                                                            | \$90                                                                             | 0                                 |
| 1.250245                                                                                                 | 2535                                                                                                                                                             | 0.100 Hascha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                                                                                                 | 00-443                                                                                       | Shell                                                                                                                                                                                 | Surface Drainage                                                                                                                                                                                                                                             | THE Minganon                                                                                                                                                                                                                  | 14/71                                                            |            | U                         | •                    | V                                                                         | v                                                | v                                                       | •                                                            | 4,70                                                                             | •                                 |
| 1.250245<br>Private Seasonal                                                                             | 1059<br>at this loc                                                                                                                                              | 0.000 Unk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10/15/200<br>t is dumpin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | )4<br>ng the over                                                                            | ECP Not                                                                                                                                                                               | Excavate Soil  anch water system storage                                                                                                                                                                                                                     | THP Med<br>ge tanks and it is runn                                                                                                                                                                                            | -<br>ing haphaza                                                 |            | 0<br>vn the h             | ill and              | 0<br>onto a sk                                                            | 0<br>id trail                                    | 0<br>that is b                                          | 0<br>eing upg                                                | \$0<br>graded to a                                                               | 0 road.                           |
| 1.250245<br>Private Seasonal                                                                             | 1059<br>at this loo<br>The solut<br>the way o                                                                                                                    | 0.000 Unk cation a culvertion is to extend lown to the cla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10/15/200<br>t is dumpind the existings II.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | )4<br>ng the overling trench t                                                               | ECP Not flow from the Sea R hat exists at the out                                                                                                                                     | Excavate Soil  anch water system storag flow of the culvert further                                                                                                                                                                                          | THP Med ge tanks and it is runn er so that the water run                                                                                                                                                                      | -<br>ing haphaza<br>is more dire                                 |            | 0<br>vn the h             | ill and              | 0<br>onto a sk                                                            | 0<br>id trail                                    | 0<br>that is b                                          | 0<br>eing upg                                                | \$0<br>graded to a<br>t with rock                                                | 0 road.                           |
| 1.250245<br>Private Seasonal                                                                             | 1059<br>at this loo<br>The solut<br>the way o                                                                                                                    | 0.000 Unk<br>cation a culvert<br>ion is to extend<br>lown to the cla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| 1.250245 Private Seasonal  1.25024515 Private Seasonal                                                   | at this loo<br>The solut<br>the way of<br>Road/skid<br>2706<br>2706                                                                                              | 0.000 Unk<br>cation a culvertion is to extendown to the cla<br>d trail not upgr<br>0.000 Pehl<br>0.650 Unk<br>ther road inspec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | t is dumpind the existing the existing the state of the existing the e | ed. 00-443                                                                                   | ECP Not flow from the Sea R hat exists at the out  Shell ECP Not                                                                                                                      | Excavate Soil  anch water system storag flow of the culvert furthe  No Problem  No Action                                                                                                                                                                    | THP Med ge tanks and it is runn. er so that the water run THP Maint Insp No Action                                                                                                                                            | ing haphaza<br>as more dire                                      |            | 0 vn the h ards the       | ill and<br>e class   | 0 onto a sk<br>II draw. I                                                 | 0 id trail Dig the                               | 0 that is b trench a                                    | 0 eing upp nd line i 0 0                                     | \$0<br>graded to a<br>t with rock<br>\$0<br>\$0                                  | road. all                         |
| 1.250245 Private Seasonal  1.25024515 Private Seasonal                                                   | at this loc<br>The solut<br>the way of<br>Road/skid<br>2706<br>2706<br>Wet weat<br>1212                                                                          | 0.000 Unk<br>cation a culvertion is to extend<br>down to the cla<br>d trail not upgr<br>0.000 Pehl<br>0.650 Unk<br>ther road insper<br>0.300 Hascha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10/15/200 t is dumpind the existing ss II.  aded or us Pehl 12/28/200 ction. 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| 1.250245 Private Seasonal  1.25024515 Private Seasonal  1.2518 Private Seasonal  1.2518 Private Seasonal | at this loc<br>The solut<br>the way of<br>2706<br>2706<br>Wet weat<br>1212<br>1212<br>On outsic<br>road. Ma<br>1061<br>1061<br>Install a sthen a lar<br>Crossing | 0.000 Unk cation a culvertion is to extendown to the cla d trail not upgr 0.000 Pehl 0.650 Unk her road inspect 0.300 Hascha 0.000 AL de edge of road contain road particular road road road road road road road ro | 10/15/200 t is dumpind the existiss II.  aded or us Pehl 12/28/200 ction. No k Pehl 9/15/2004 l between psability. 7 k Pehl 10/15/200 pe at this loould be pla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ed. 00-443 00-443 10-443 10-443 10-443 10-443 10-443 10-443 10-443 10-443 10-443 10-443      | ECP Not flow from the Sea R hat exists at the out  Shell ECP Not  Shell ECP Not  class II water countill install additional Shell ECP Not be can be left in at college on the road so | Excavate Soil anch water system storag flow of the culvert further  No Problem No Action  Fill - Road Excavate Soil se there are several areas water bars along this road Temp. Crossing Culv. Install lose of operations or the that spring leaves the road | THP Med ge tanks and it is runn. ar so that the water run  THP Maint Insp No Action  THP Mitigation THP Low of failing fill. Removad between point A ar  THP Mitigation THP Med pipe can be removed a ad surface if pipe even | N/A  II  re this mate ad class II w  Spr.  and the road r plugs. | cetty tow  | 0 0 0 0 were larse. Wo    | 0 0 urger taterbar 0 | 0 onto a sk II draw. D  0 0  0 0  rees do nors should r  0 0  oring doesn | 0 id trail Dig the  0 0 4 0 t exist anot emp 0 1 | that is b trench a  0 0 0 and spreety onto 0 0 down the | 0 eing upp nd line i  0 0 50 ad on in slide are 0 0 road. If | \$0 graded to a t with rock  \$0 \$0 \$0 \$360 \$7 side edge coas.  \$50 \$0 \$0 | 0 road. all 0 0 0 50 50 of 0 t in |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     | inal THP#          | THP Name                              | Problem                | Repair Type           | Cr. Class    | s l       | ORCs     | Rock    | Left D     | Exca.    | Truck     | Gra.    | Cost      | Total Yds |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------|---------------------------------------|------------------------|-----------------------|--------------|-----------|----------|---------|------------|----------|-----------|---------|-----------|-----------|
| Private Seasona   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   1988   19  |     | Done Rd Pt         | ECP Number                            | Solution               | Priority/Shedule      | Old Dia      | New D     | ia Ln    |         | Right D    | Cat      | Labor     | Yds     | \$/FSD    | FSD Yds   |
| Temporary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     | hl 00-443          | Shell                                 | Temp. Crossing         | THP New Con.          | II           |           | 0        | 0       | 0          | 0        | 0         | 0       | \$572     | 0         |
| Part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     | 15/2004            | ECP Not                               | Culv. Install          | THP Med               | -            | 18"       | 40       |         | 0          | 1        | 0         | 0       | \$0       | 0         |
| 1.2526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | m   | ce to act as a rum | ning surface for truck t              |                        |                       |              |           |          |         |            |          |           |         |           |           |
| Vigoraled   Vig  |     | 11 00 201          | T                                     | G C D :                | TITLE N.              | 27/4         |           |          | 0       |            |          | 0         |         |           | 020       |
| 1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72   1.72    |     |                    | •                                     | 0                      |                       | N/A          |           |          | 0       |            |          |           | 0       | \$0       | 929       |
| Private Seasona   2600   1800   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   1100   11  |     |                    |                                       | 1 1                    |                       | -            | -         |          |         |            |          |           | 0       | \$0       | 929       |
| 1.2526   2.93   0.000   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00 |     |                    |                                       |                        | 1                     | N/A          |           |          | 0       |            |          |           | 0       | \$0       | 0         |
| 1.2526   2.936   0.000   Peh   Peh   Maintenance   Maintenance   Maintenance   N/A   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                    |                                       | No Action              | See Comments          | -            | -         | 0        |         | 0          | 0        | 0         | 0       | \$0       | 0         |
| Degraded   2936   3.306 R&S   725/20/S   ECP Not   Tip and Dip   Medium   -   -   0   0   0   0   0   0   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                    | *                                     | G C D :                |                       | 27/4         |           | -        | 0       |            | 0        | 0         | -       | Φ.        | 1.616     |
| 1.2526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                    |                                       | 0                      |                       | N/A          |           |          | 0       |            |          |           | 0       | \$0       | 1,616     |
| Private Seasonal         5718         3.400         8/12/12 the state of the state o                                                  |     |                    |                                       |                        |                       | -            | -         |          |         |            |          |           | 0       | \$0       | 1,616     |
| 1105   0.110   Alden   Alden   Maintenance   No Problem   Maintenance   No Problem   Maintenance   No Problem   Maintenance   No Problem   No Problem   No Problem   Maintenance   No Problem   No Pro |     |                    |                                       |                        |                       | N/A          |           | -        | 0       |            |          |           | 0       | \$1,162   | 0         |
| Private Seasona   10   0.00 Unk   12/3 UT   SE271 O   SE271 O   Calv Ditch Relies   Maintenance   N/A   0   0   0   0   0   0   0   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |                    |                                       |                        |                       | -            | -         |          |         |            |          |           | 0       | \$0       | 0         |
| 1.2526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                    |                                       |                        |                       | N/A          |           | -        | 0       | -          |          |           | 0       | \$0       | 0         |
| Private Seasona   Rail   Ra  |     |                    |                                       |                        |                       | -            | -         |          |         |            |          |           | 0       | \$0       | 0         |
| 1.2526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | )   |                    |                                       |                        |                       |              |           | -        | 0       |            |          |           | 0       | \$125     | 0         |
| 1.2526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     | /2006              | ECP Not                               | Culv. Maintenance      | Medium                | 18"          | -         | 0        |         | 0          | 0        | 0         | 0       | \$0       | 0         |
| Private Seasonal   1063   0.000   ME   11/15/20∪4   ECP Not   Culv. Install   THP High   - 18"   40   0   0   0   0   0   0   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | at: |                    |                                       |                        |                       |              |           |          |         |            |          |           |         |           |           |
| 1.2526   822   0.250   McCarl   Pehl   SB-271-0   SB-271-0   Culv.   Storm Proofing   III   0   0   0   0   2   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                    |                                       |                        | C                     | Spr.         |           |          | 0       |            |          |           | 0       | \$537     | 0         |
| 1.2526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     | 15/2004            | ECP Not                               | Culv. Install          | THP High              | -            | 18"       | 40       |         | 0          | 0        | 0         | 0       | \$0       | 0         |
| Private Seasonal   Record    |     |                    | · · · · · · · · · · · · · · · · · · · |                        |                       |              |           |          |         |            |          |           |         |           |           |
| 18"cmp on a class 3 a 4' vertical drop 6' above inlet , a skid from right pushed small amount of fill up channel . Outlet slash covered with 10" DS. Treat: clear up of outlet are , add an additional 10' of DS , add CD.    1.2526                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | )   |                    |                                       |                        | C                     |              |           |          | 0       |            | 2        | 0         | 0       | \$350     | 20        |
| 1.2526   821   0.320   McCarl   Pehl   00-391   Terrapin Station   Other   Storm Proofing   N/A   0   0   0   0   0   1   0   0   0   1   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     | /2006              | ECP Not                               | Culv. Maintenance      | Medium                | 18"          | -         | 0        |         | 0          | 1        | 0         | 20      | \$175     | 2         |
| 1.2526   821   0.320 McCan  Pehl   00-391   Terrapin Station   Other   Storm Proofing   N/A   0 0 0 0 0 0 0 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |                    |                                       | tht pushed small amoun | t of fill up channel. | Outlet slas  | h covere  | d with 1 | 10" DS  | . Trea     | t: clear | up char   | mel 45" | to stump, | clear     |
| Private Seasonal   821   0.000 R&S   6/13/2006   ECP Not   Dip Critical   Medium   0   0   1   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |                    |                                       | Other                  | Storm Proofing        | N/A          |           | 0        | 0       | 0          | 0        | 1         | 0       | \$165     | 0         |
| 1.2526   820   0.610 McCard   SB-271-0   S |     |                    |                                       |                        | C                     | _            | _         | 0        |         | 0          | 1        | 0         | 0       | \$0       | 0         |
| 1.2526   820   0.610 McCanl   SB-271-0   SB-271-00   Fill - Road   Storm Proofing   N/A   0   0   0   2   4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | w   |                    | w present time. Flows                 | •                      |                       | olling din . | direct or | tlet tow | ards sı | mall redw  | ood clu  | ımp.      |         |           |           |
| Private Seasonal   820   0.000 Unk   6/6/2006   ECP Not   Excavate Soil   Medium   -   -   0   0   2   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                    |                                       | ~ -                    |                       |              |           |          |         |            |          |           | 0       | \$910     | 200       |
| 1.2526   819   0.650   McCanl   Pehl   00-391   Terrapin Station   Culv.   Maintenance   III   0   0   0   0   0   0   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                    |                                       |                        | C                     | _            | _         | 0        |         | 0          | 2        | 2         | 200     | \$8       | 120       |
| 1.2526       819       0.650 McCanl       Pehl       00-391       Terrapin Station       Culv.       Maintenance       III       0       0       0       0       0         Private Seasonal       819       0.000 Unk       6/13/2006       ECP Not       Culv. Maintenance       Medium       18"       -       0       0       1       2         a 18" cmp on a seasonal class 3 , cmp OK but has shotgumed outlet and has Dip to left.       Treat: add Critical Dip left hinge , add       Downspout. Place energy dissipator         Remove perched fill adjacent to this culvert and place in stable location.       Treat: add Critical Dip left hinge , add       Downspout. Place energy dissipator         1.2526       818       0.700 Haschak Pehl       00-391       Terrapin Station       Cut Bank Failure       THP Mitigation       N/A       0       0       0       0         Private Seasonal       1064       0.000 AL       10/15/2004       ECP Not       Excavate Soil       THP High       -       -       0       0       0       0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ro  |                    |                                       |                        |                       |              |           |          |         |            |          |           |         |           |           |
| Private Seasonal 819 0.000 Unk 6/13/2006 ECP Not Culv. Maintenance Medium 18" - 0 0 1 2  a 18" cmp on a seasonal class 3, cmp OK but has shotgunned outlet and has Dip to left. Remove perched fill adjacent to this culvert and place in stable location.  1.2526 818 0.700 Haschak Pehl 00-391 Terrapin Station Cut Bank Failure THP Mitigation N/A 0 0 0 0 0  Private Seasonal 1064 0.000 AL 10/15/2004 ECP Not Excavate Soil THP High 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                    |                                       |                        |                       | III          |           | 0        | 0       | 0          | 0        | 0         | 0       | \$200     | 0         |
| a 18" cmp on a seasonal class 3, cmp OK but has shotgunned outlet and has Dip to left.  Remove perched fill adjacent to this culvert and place in stable location.  1.2526  818  0.700 Haschak Pehl  0.000 AL  10/15/2004  ECP Not  Excavate Soil  Treat: add Critical Dip left hinge, add  Downspout. Place energy dissipator  THP Mitigation  N/A  0  0  0  0  0  0  0  0  0  0  0  0  0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |                    | •                                     |                        |                       |              | _         |          |         |            |          |           | 0       | \$0       | 0         |
| 1.2526       818       0.700 Haschak Pehl       00-391       Terrapin Station       Cut Bank Failure       THP Mitigation       N/A       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 </td <td></td> <td></td> <td>_</td> <td>•</td> <td>Treat: add Critical l</td> <td>Dip left hin</td> <td>ge , add</td> <td>Downs</td> <td>pout. I</td> <td>Place ener</td> <td>gy diss</td> <td>ipator be</td> <td>elow do</td> <td>wnspout.</td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                    | _                                     | •                      | Treat: add Critical l | Dip left hin | ge , add  | Downs    | pout. I | Place ener | gy diss  | ipator be | elow do | wnspout.  |           |
| Private Seasonal 1064 0.000 AL 10/15/2004 ECP Not Excavate Soil THP High 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |                    |                                       |                        | THP Mitigation        | N/A          |           | 0        | 0       | 0          | 0        | 0         | 0       | \$0       | 0         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     | 15/2004            |                                       | Excavate Soil          | C                     | _            | _         | 0        |         | 0          | 0        | 0         | 0       | \$0       | 0         |
| a cut bank failure is blocking an inside ditch and diverting water onto the road. Open up inside ditch so that water goes to the next culvert.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | a   |                    |                                       |                        | U                     | ter goes to  | the next  | culvert. |         |            |          |           |         |           |           |

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| Road #                     | GIS#        | Mile Plan                           | Final       | THP#         | THP Name                | Problem                                            | Repair Type             | Cr. Class     | 2 D         | RCs R                 | ock Left     | ) E        | ca. Truc   | k Gra.      | Cost         | Total Yds |
|----------------------------|-------------|-------------------------------------|-------------|--------------|-------------------------|----------------------------------------------------|-------------------------|---------------|-------------|-----------------------|--------------|------------|------------|-------------|--------------|-----------|
| Road Class                 | ID#         | End Crew                            |             | Rd Pt        | ECP Number              | Solution                                           | Priority/Shedule        |               |             |                       | Righ         |            | Cat Lab    |             | \$/FSD       | FSD Yds   |
|                            |             |                                     |             |              |                         |                                                    |                         |               | NCW Die     |                       |              |            |            |             |              |           |
| 1.2526                     | 818         | 0.710 McCanl                        |             |              |                         | Culv.                                              | Maintenance             | III           |             | 0                     |              | ) ]        |            | 0           | \$375        | 0         |
| Private Seasonal           | 818         |                                     | 11/8/2023   |              | ECP Not                 | Culv. Maintenance                                  | Medium                  | 18"           | -           | 0                     |              | ) 2        |            | 30          | \$0          | 0         |
|                            | a 18" cm    | p on a class 3,                     | outlet is d | amaged and   | d a small headcut has   | developedbelow outlet. , push spoils to left to la | A small cutbank fail    | ure 50' to le | eft of cmp  | , pluggi<br>in 90' to | ng inside (  | litch.     | Treat: cl  | ear inlet o | of cmp add t | rash      |
| 1.2526                     | 1065        | 0.730 Haschal                       |             | 00-391       | Terrapin Station        | Surface Drainage                                   | THP Mitigation          | Spr.          | i ioning u  | 1 <b>p 30 to</b>      |              | ) (        | 0          | 0           | \$0          | 0         |
| Private Seasonal           | 1065        | 0.000 AL                            | 10/15/200   |              | ECP Not                 | Waterbar                                           | THP High                |               | _           | 0                     |              |            | 0          | 0           | \$0          | 0         |
| Tirvate Beasonar           |             |                                     |             |              | f the present location  |                                                    | IIII IIIgii             |               |             | Ü                     | `            | ,          |            | Ü           | Ψ            | Ů         |
| 1.2526                     | 816         | 0.750 Haschal                       |             | 00-391       | Terrapin Station        | Fill - Road                                        | THP App. Rd.            | III           |             | 0                     | 0 (          | ) 2        | 2 4        | 0           | \$440        | 0         |
| Private Seasonal           | 1083        | 0.760 AL                            | 10/15/200   |              | ECP Not                 | Excavate Soil                                      | Medium                  | _             | _           | 0                     | . (          | ) (        |            | 0           | \$0          | 0         |
|                            | fill failin | g along outside                     | edge of ro  | oad for 75 t | o 100 feet. Pull fill a | nd place in stable locatio                         |                         |               |             |                       |              |            |            |             |              |           |
| 1.2526                     | 817         |                                     |             |              | Maintenance             | Culv.                                              | Maintenance             | III           |             | 0                     | 0 (          | ) (        | 0 0        | 0           | \$0          | 0         |
| Private Seasonal           | 5582        | 0.000 Unk                           | 1/11/2011   | 1            | ECP Not                 | No Action                                          | Medium                  | _             | -           | 0                     | (            | ) (        | 0 0        | 0           | \$0          | 0         |
|                            | Landslid    | e from road edg                     | e to river. | Probably o   | occurred during big st  | form 12-29-10. 20,000 C                            | FS at the Hot Spot      |               |             |                       |              |            |            |             |              |           |
| 1.2526                     | 816         | 0.810 McCanl                        |             | SB-271-0     | SB-271-00               | Fill - Road                                        | Storm Proofing          | N/A           |             | 0                     | 0 (          | ) 3        | 3 0        | 0           | \$775        | 267       |
| Private Seasonal           | 816         | 0.000 Unk                           | 10/15/200   | )4           | ECP Not                 | Excavate Soil                                      | Medium                  | -             | -           | 0                     | (            | ) 3        | 3 2        | 267         | \$3          | 240       |
|                            | potential   | roadfill failure                    | on slopes   | of 90% 30    | to 60' to class 3 tr    | eat: excavate start to end                         | , push spoils to left   | 75' .         |             |                       |              |            |            |             |              |           |
| 1.2526                     | 1067        | 0.870 Haschal                       | c Pehl      | 00-391       | Terrapin Station        | Culv.                                              | THP Mitigation          | III           |             | 0                     | 0 (          | ) 3        | 3 4        | 0           | \$645        | 0         |
| Private Seasonal           | 1067        | 0.000 R&S                           | 6/13/2006   | 5            | ECP Not                 | Other                                              | Medium                  | -             | -           | 0                     | (            | ) (        | 0 0        | 0           | \$0          | 0         |
|                            |             |                                     |             |              |                         | ks like a class III and ca                         |                         |               |             |                       |              |            |            |             | terbar and r | ock       |
|                            |             |                                     |             |              |                         | the outside edge of the r                          |                         |               | e installed |                       |              |            |            |             |              |           |
| 1.2526                     | 812         | 1.120 McCanl                        |             | 01-392       | Box of Rain             | Dip Rolling                                        | THP App. Rd.            | III           |             | 0                     | •            | , (        | ) 1        | 0           | \$65         | 0         |
| Private Seasonal           |             | 0.000 AL                            | 9/15/2004   |              | ECP Not                 | Rock Surface                                       | Medium                  | -             | -           | 0                     |              | ) ]        | 1 0        | 0           | \$0          | 0         |
|                            |             |                                     |             |              | • •                     | surface erosion less than                          | · ·                     | onstruct a r  | ocked roll  |                       |              |            |            |             |              |           |
| 1.2526                     | 811         |                                     |             |              | Storm Proofing          | Culv.                                              | Storm Proofing          | III           |             | 0                     |              |            | 2 0        | 0           | \$1,286      | 46        |
| Private Seasonal           | 811         |                                     | 10/15/200   |              | ECP Not                 | Culv. Replace                                      | Medium                  | 18"           | 24"         | 40                    |              | ) 2        | 2 2        | 93          | \$28         | 46        |
| -                          |             | p on a class 3,                     |             |              |                         | with 24" cmp to grade, g                           | -                       |               | add DS if   |                       |              |            |            |             |              |           |
| 1.2526                     | 810         | 1.310 Haschal                       |             | 01-392       | Box of Rain             | Culv.                                              | THP App. Rd.            | III           |             | 0                     |              | ) ]        | . 0        | 0           | \$90         | 0         |
| Private Seasonal           |             |                                     | 9/15/2004   |              | ECP Not                 | Culv. Maintenance                                  | Medium                  | -             | -           | 0                     |              | ) ]        | 1 0        | 0           | \$0          | 0         |
| 1.050 (                    |             |                                     |             |              | ash and debris cover    |                                                    | et and outlet, inslop   |               | r crossing  | •                     |              |            |            |             |              |           |
| 1.2526                     | 810         | 1.310 McCanl                        |             |              | Maintenance             | Culv.                                              | THP App. Rd.            | III           |             | 0                     |              | ) ]        | 1 0        | 0           | \$225        | 0         |
| Private Seasonal           | 810         | *****                               | 9/15/2004   | -            | ECP Not                 | Culv. Maintenance                                  | Medium                  |               | -           | 0                     |              | ) ]        | 1 0        | 0           | \$0          | 0         |
| 1.0506                     |             |                                     |             |              | ash and debris cover    |                                                    | et and outlet, inslop   |               | r crossing  |                       | <u> </u>     |            |            |             |              |           |
| 1.2526                     | 809         | 1.330 Haschal                       |             | 01-392       | Box of Rain             | Other                                              | THP App. Rd.            | Spr.          | 100         | 0                     | •            | ) 3        |            | 0           | \$742        | 0         |
| Private Seasonal           | 1786        |                                     | 9/15/2004   |              | ECP Not                 | Dip Rolling                                        | Medium                  |               | 18"         | 40                    |              | 9 3        | _          | 0           | \$0          | 0         |
|                            |             | rging from cutt<br>reat: add rollii |             | swale, app   | pears to sub-surface of | class 3 flow visible in sir                        | ik above cutbank. Fl    | ow current    | ly collects | in insid              | e ditch thei | ı flowi    | ng right v | vhere it is | absorbed in  | nto       |
|                            | G10011. 1   |                                     |             |              |                         |                                                    |                         |               |             |                       |              |            |            |             |              |           |
| 1.2526                     | 1761        | 1.550 Haschal                       | c Pehl      | 01-392       | Box of Rain             | Surface Drainage                                   | THP App. Rd.            | N/A           |             | 0                     | 0 (          | ) (        | 0 0        | 0           | \$0          | 0         |
| 1.2526<br>Private Seasonal |             | 1.550 Haschal<br>0.000 R&S          |             |              | Box of Rain<br>ECP Not  | Surface Drainage Dip Rolling                       | THP App. Rd.<br>THP Low | N/A           | -           | 0                     |              | ) (<br>) ( |            | 0           | \$0<br>\$0   | 0         |

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| Road #           | GIS#                 | Mile Plan                           | Final     | THP#         | THP Name               | Problem                      | Repair Type              | Cr. Class     |            | RCs R       |               |         |             |            | Cost            | Total Yds |
|------------------|----------------------|-------------------------------------|-----------|--------------|------------------------|------------------------------|--------------------------|---------------|------------|-------------|---------------|---------|-------------|------------|-----------------|-----------|
| Road Class       | ID#                  | End Crew                            | Done      | Rd Pt        | ECP Number             | Solution                     | Priority/Shedule         | Old Dia       | New D      | ia Ln       | Right         | D Ca    | at Labo     | r Yds      | \$/FSD          | FSD Yds   |
| 1.2526           | 806                  | 1.660 McCanl                        | Borcich   | Storm Pro    | Storm Proofing         | Culv.                        | Storm Proofing           | III           |            | 0           | 0 0           | 1       | 0           | 0          | \$225           | 0         |
| Private Seasonal | 806                  | 0.000 Unk                           | 10/15/20  | 00           | ECP Not                | Dip Rolling                  | Medium                   | -             | -          | 0           | 0             | 1       | 0           | 0          | \$0             | 0         |
| ;                | a 18" cm             | p on a seasonal                     | class 3 f | low only du  | ring storm events.     | Cmp OK . Treat. Cle          | ar inlet and outlet ins  | stall rolling | dip 75' to | left and    | one 75' to    | ight.   |             |            |                 |           |
| 1.2526           | 2687                 | 1.800 Pehl                          | Pehl      | 01-392       | Box of Rain            | No Problem                   | THP Maint Insp           | N/A           |            | 0           | 0 0           | 0       | 0           | 0          | \$0             | 0         |
| Private Seasonal | 2687                 | 3.300 Unk                           | 12/28/20  | 05           | ECP Not                | No Action                    | No Action                | -             | -          | 0           | 0             | 0       | 0           | 0          | \$0             | 0         |
|                  | Wet wea              | ther inspection.                    | Pipes ok  | ay. Everyt   | hing very wet after    | 5" of rain in previous 24    | hours.                   |               |            |             |               |         |             |            |                 |           |
| 1.2526           | 799                  | 1.890 McCanl                        |           | SB-271-0     | SB-271-00              | Fill - Road                  | Storm Proofing           | N/A           |            | 0           | 0 0           | 5       | 10          | 0          | \$2,175         | 433       |
| Private Seasonal | 799                  | 0.000 Unk                           | 9/15/200  | 4            | ECP Not                | Excavate Soil                | High                     | -             | -          | 0           | 0             | 5       | 3           | 433        | \$6             | 346       |
| 1                | potential            | roadfill failure                    | on slopes | of 90% 40    | to 90' to class 2 be   | elow. Trees present along    | OBR which will slow      | v prod. Rate  | e. Treat   | : excava    | te start to e | nd leav | e all trees | , endha    | al to left to s | spoil     |
|                  | site.                |                                     |           |              |                        |                              |                          |               |            |             |               |         |             |            |                 |           |
| 1.2526           | 799                  | 1.900 Haschal                       |           | 01-392       | Box of Rain            | Fill - Road                  | THP App. Rd.             | N/A           |            | 0           | 0 0           | _       | 0           | 0          | \$180           | 0         |
| Private Seasonal | 1867                 |                                     | 9/15/200  |              | ECP Not                | Excavate Soil                | Medium                   | -             | -          | 0           | 0             | Ü       | 0           | 0          | \$0             | 0         |
|                  |                      | n the outside ed<br>be planted with |           |              | be pulled back and     | stabilized. Slash or mulch   | shall be placed on th    | ne earthern   | material ' | below the   | fill failure  | to mini | mize any    | potentia   | al delivery.    | The       |
| 1.2526           | 798                  | 1.970 Haschal                       |           | 01-392       | Box of Rain            | Culv.                        | THP App. Rd.             | II            |            | 0           | 0 0           | 4       | 8           | 0          | \$880           | 296       |
| Private Seasonal | 798                  | 0.000 AL                            | 9/15/200  | 4            | ECP Not                | Other                        | Medium                   | -             | -          | 0           | 0             | 0       | 0           | 0          | \$3             | 296       |
|                  |                      |                                     |           |              |                        | bove cmp. Stream appear      |                          |               | pprox. 25  | 0' above    | crossing, l   | ut well | vegitated   | i. Tre     | at: rock arn    | nour      |
|                  |                      |                                     | •         |              |                        | to the channel above the r   |                          |               |            |             | 0 0           |         |             |            | Φ0              |           |
| 1.2526           | 798                  | 1.980 Haschal                       |           | 01-392       | Box of Rain            | Surface Drainage             | THP App. Rd.             | N/A           |            | 0           | 0 0           |         | 0           | 0          | \$0             | 0         |
| Private Seasonal | 1861                 | 0.000 R&S                           |           |              | ECP Not                | Dip Rolling                  | High                     | -             | -          | 0           | C             | 1       | 0           | 0          | \$0             | 0         |
|                  |                      |                                     | •         |              | -                      | v spot where outside edge    |                          |               |            |             | 0 0           |         |             |            | <b></b>         |           |
| 1.2526           | 797                  | 2.020 Haschal                       |           | 01-392       | Box of Rain            | Culv.                        | THP App. Rd.             | III           |            | 0           | 0 0           |         | 0           | 0          | \$0             | 56        |
| Private Seasonal | 1799                 | 0.000 R&S                           |           |              | ECP Not                | Other                        | High                     | 18"           | -          | 0           | 0             |         | 2           | 0          | \$0             | 56        |
|                  | add an ei<br>channel | ergy dissipator                     | below th  | e downspot   | it of the existing cu  | livet. Rock shall be of suf  | ficient size so as to no | ot be washe   | d away b   | y high flo  | ows and sha   | ll cove | r sufficie  | nt area to | stabilize th    | he        |
| 1.2526           | 797                  | 2.020 McCanl                        | Borcich   | Maintena     | Maintenance            | Culv.                        | THP App. Rd.             | III           |            | 0           | 0 0           | 3       | 0           | 0          | \$1,561         | 56        |
| Private Seasonal | 797                  | 0.000 Unk                           | 11/8/202  | 3            | ECP Not                | Culv. Replace                | Medium                   | 18"           | 24"        | 40          | 0             | 3       | 3           | 100        | \$28            | 56        |
|                  |                      | •                                   | -         | _            |                        | ized. Cmp low gradient w     | rith 10' DS. A 8' plur   | nge below I   | OS. Tr     | eat: repla  | ce 18" with   | 24" at  | grade, oi   | close to   | grade due       | to        |
| 1.2526           | 796                  | striction below<br>2.110 McCanl     |           |              |                        | Culv.                        | Storm Proofing           | II            |            | 0           | 0 0           | 25      | 30          | 0          | \$11,050        | 249       |
| Private Seasonal | 796                  |                                     | 11/8/202  |              | ECP Not                | Culv. Replace                | High                     | 24"           | 36"        | 60          | 0             |         |             | 1.088      | \$44            | 249       |
|                  |                      | *****                               |           | -            |                        | en filled below outlet wit   | 2                        | = :           |            |             |               |         | -           | ,          | *               | =         |
|                  |                      |                                     |           |              |                        | and outlet. Install CD. I    |                          |               | 1012 01 11 | II aliu L v | VD below c    | ulici.  | IICai. CA   | cavate t   | op to oot en    | unaui     |
| 1.2526           | 794                  | 2.250 Haschal                       | k Pehl    | 01-392       | Box of Rain            | Dip Critical                 | THP App. Rd.             | III           |            | 0           | 0 0           | 0       | 1           | 0          | \$65            | 0         |
| Private Seasonal | 1784                 | 0.000 AL                            | 9/15/200  | 4            | ECP Not                | Rock Surface                 | Medium                   | -             | -          | 0           | 0             | 1       | 0           | 0          | \$0             | 0         |
|                  | a rolling            | dip draining a s                    | easonal c | lass 3 swale | e minimal erosion,     | maintain rolling dip         |                          |               |            |             |               |         |             |            |                 |           |
|                  |                      |                                     |           |              |                        |                              |                          |               |            |             |               |         |             |            |                 |           |
| 1.2526           | 794                  | 2.250 McCanl                        | l         | Maintena     | Maintenance            | Dip Critical                 | THP App. Rd.             | III           |            | 0           | 0 0           | 0       | 1           | 0          | \$190           | 0         |
|                  |                      |                                     | 9/15/200  |              | Maintenance<br>ECP Not | Dip Critical<br>Rock Surface | THP App. Rd.<br>Medium   | III<br>-      | -          | 0           | 0 0           |         | 1<br>0      | 0          | \$190<br>\$0    | 0         |

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| Road #                   |     | GIS#      | Mile Plan                          | Final       | THP#        | THP Name              | Problem                                                 | Repair Type             | Cr. Clas          | s          | DRCs R      | lock L    | eft D   | Exca.     | Truck     | Gra.      | Cost            | Total Yds |
|--------------------------|-----|-----------|------------------------------------|-------------|-------------|-----------------------|---------------------------------------------------------|-------------------------|-------------------|------------|-------------|-----------|---------|-----------|-----------|-----------|-----------------|-----------|
| Road Class               |     | ID#       | End Crew                           | Done        | Rd Pt       | ECP Number            | Solution                                                | Priority/Shedule        | Old Dia           | New [      | Dia Ln      | F         | Right D | Cat       | Labor     | Yds       | \$/FSD          | FSD Yds   |
| 1.2526                   |     | 793       | 2.310 McCan                        | 1           | Maintena    | Maintenance           | Culv.                                                   | THP App. Rd.            | N/A               |            | 0           | 0         | 0       | 1         | 0         | 0         | \$425           | 40        |
| Private Seasor           | nal | 793       | 0.000 Unk                          | 9/15/2004   |             | ECP Not               | Culv. Maintenance                                       | Medium                  | -                 | _          | 0           | Ü         | 0       | 2         | 2         | 40        | \$11            | 40        |
| TIVALE DEADOI            |     |           |                                    |             |             |                       | s during storm events. Cm                               |                         | n also has        | 10' DS .   |             | DS a      |         | _         |           |           | *               | 10        |
|                          |     |           |                                    |             |             |                       | nd CD, also inslope road                                |                         | T                 | ,          |             |           | · r     | ,         | 6         |           |                 |           |
| 1.2526                   |     | 793       | 2.310 Hascha                       | k Pehl      | 01-392      | Box of Rain           | Culv.                                                   | THP App. Rd.            | N/A               |            | 0           | 0         | 0       | 1         | 0         | 0         | \$90            | 40        |
| Private Seasor           | nal | 1783      | $0.000~\mathrm{AL}$                | 9/15/200    | 4           | ECP Not               | Culv. Maintenance                                       | Medium                  | 18"               | -          | 0           |           | 0       | 2         | 2         | 40        | \$2             | 40        |
|                          |     |           | •                                  |             | -           | sent time, but flow   | s during storm events. cm                               | p also has 10' DS, ac   | dd an energ       | gy dissip  | ator belov  | v the do  | ownspou | it of the | e existin | g culvet  | and critic      | al        |
|                          | Ċ   |           | inslope road or                    |             | •           |                       |                                                         |                         |                   |            |             |           |         |           |           |           |                 |           |
| 1.2526                   |     | 792       | 2.350 Hascha                       |             | 01-392      | Box of Rain           | Other                                                   | THP App. Rd.            | III               |            | 0           | 0         | 0       | 2         | 0         | 0         | \$916           | 10        |
| Private Seasor           |     | 1782      | 0.000 AL                           | 9/15/200    |             | ECP Not               | Culv. Install                                           | High                    | -                 | 24"        | 40          |           | 0       | 0         | 4         | 0         | \$92            | 10        |
|                          |     |           | efined class 3 s<br>ving a gulling |             |             |                       | g structure present. Shows<br>cmp at this location with |                         |                   |            | n event. Fl | low goe   | es down | inside    | ditch 50  | to wat    | erbar, acro     | 88        |
| 1.2526                   |     | 792       | 2.350 McCan                        |             | Maintena    |                       | Other                                                   | THP App. Rd.            | III               | cessary.   | 0           | 0         | 0       | 4         | 0         | 0         | \$1,836         | 10        |
| Private Seasor           | nal | 792       |                                    | 9/15/2004   |             | ECP Not               | Culv. Install                                           | High                    | -                 | 24"        | 40          | Ü         | 0       | 4         | 4         | 50        | \$184           | 10        |
| Tivate Seasor            |     |           |                                    |             |             |                       | g structure present. Shows                              | 2                       | maior storn       |            |             | down      | -       | •         | •         |           |                 | 10        |
|                          |     |           |                                    |             |             |                       | Freat: install 24 " cmp at the                          |                         |                   | n cvont.   | 1 10 W good | o down    | msiac a | nton 50   | , 10 Wall | orour , u | oross roud      |           |
| 1.2526                   |     | 789       | 2.510 Hascha                       | k Pehl      | 01-392      | Box of Rain           | Dip Critical                                            | THP App. Rd.            | N/A               |            | 0           | 0         | 0       | 0         | 1         | 0         | \$65            | 3         |
| Private Seasor           | nal | 1781      | $0.000~\mathrm{AL}$                | 9/15/200    | 4           | ECP Not               | Rock Surface                                            | Medium                  | -                 | -          | 0           |           | 0       | 2         | 0         | 0         | \$22            | 3         |
|                          | а   | rolling   | dip draining sp                    | ring and s  | wale mino   | routlet erosion at o  | utlet less than 5 yrds. Tre                             | at: enhance dip and     | rock              |            |             |           |         |           |           |           |                 |           |
| 1.2526                   |     | 789       | 2.510 McCan                        | 1           | Maintena    | Maintenance           | Dip Critical                                            | THP App. Rd.            | N/A               |            | 0           | 0         | 0       | 0         | 1         | 0         | \$290           | 3         |
| Private Seasor           | nal | 789       | 0.000 Unk                          | 9/15/200    | 4           | ECP Not               | Rock Surface                                            | Medium                  | -                 | -          | 0           |           | 0       | 2         | 0         | 0         | \$97            | 3         |
|                          | а   | rolling   | dip draining sp                    | ring and s  | wale mino   | r outlet erosion at o | utlet less than 5 yrds. Tre                             | at: inhance dip and     | rock              |            |             |           |         |           |           |           |                 |           |
| 1.2526                   |     | 788       | 2.620 McCan                        | 1           | Maintena    | Maintenance           | Cut Bank Failure                                        | THP App. Rd.            | N/A               |            | 0           | 0         | 0       | 2         | 2         | 0         | \$630           | 0         |
| Private Seasor           | nal | 788       | 0.000 Unk                          | 7/4/2006    |             | ECP Not               | Excavate Soil                                           | Medium                  | -                 | -          | 0           |           | 0       | 2         | 0         | 133       | \$0             | 0         |
|                          |     |           | àilure plugging<br>g clear DRC.    | g inside di | tch and 18' | DRC. That drains      | springs from either side. I                             | ORC is still fuctionin  | g at this tin     | ne thoug   | h inlet car | n't be fo | ound. T | reat: e   | xcavate   | failure ( | endhaul to      | ight      |
| 1.2526                   |     | 788       | 2.620 Hascha                       | k Pehl      | 01-392      | Box of Rain           | Cut Bank Failure                                        | THP App. Rd.            | N/A               |            | 0           | 0         | 0       | 2         | 2         | 0         | \$560           | 0         |
| Private Seasor           | nal | 1780      | 0.000 R&S                          | 7/4/2006    |             | ECP Not               | Excavate Soil                                           | Medium                  | -                 | -          | 0           |           | 0       | 2         | 0         | 133       | \$0             | 0         |
|                          |     |           | 1 00 0                             | _           |             | ' ditch relief culver | t that drains springs from e                            | either side. Ditch reli | ef culvert i      | s still fu | ctioning a  | t this ti | me thou | gh inle   | t can't b | e found   | Treat:          |           |
| 1.2526                   | - 6 | 787       | failure and cle<br>2.720 Hascha    |             | 01-392      | Box of Rain           | Dim Critical                                            | TIID Ama Dd             | III               |            | 0           | 0         | 0       | 2         | 0         | 0         | \$1,880         | 65        |
| 1.2320<br>Private Seasoi | 1   | 1779      | 0.000 R&S                          |             |             | ECP Not               | Dip Critical<br>Culv. Install                           | THP App. Rd.<br>Medium  | 111               | 36"        | 40          | U         | 0       | 0         | 0         | 0         | \$1,000         | 65        |
| riivate Seasoi           |     |           |                                    |             |             |                       | this site, lay back at 2:1 ra                           |                         | -                 | 30         | 40          |           | U       | U         | U         | U         | \$29            | 03        |
| 1.2526                   |     | 787       | 2.720 McCan                        |             |             |                       | Dip Critical                                            | THP App. Rd.            | III               |            | 0           | 0         | 0       | 6         | 0         | 0         | \$3,713         | 65        |
| Private Seasor           | no1 | 787       |                                    | 11/8/202    |             | ECP Not               | Culv. Install                                           | High                    | 111               | 36"        | 50          | U         | 0       | 7         | 4         | 250       | \$5,715<br>\$57 | 65        |
| i iivaic Scasol          |     |           |                                    |             |             |                       | nd pushed spoil down char                               | U                       | -<br>or erosion t |            |             | thou      | -       | ,         | •         |           |                 |           |
|                          | Ċ   |           | ide ditch to this                  |             |             |                       | les back 2 to 1 above and b                             |                         |                   |            |             |           |         |           |           |           |                 |           |
| 1.2526                   |     | 785       | 2.780 Hascha                       | k Pehl      | 01-392      | Box of Rain           | Dip Critical                                            | THP App. Rd.            | III               |            | 0           | 0         | 0       | 0         | 1         | 0         | \$165           | 0         |
| Private Seasor           | nal | 1778      | 0.000 R&S                          |             |             | ECP Not               | Rock Surface                                            | Medium                  | -                 | _          | 0           | -         | 0       | 1         | 0         | 0         | \$0             | 0         |
|                          |     |           |                                    |             |             |                       |                                                         |                         |                   |            | v           |           | V       | *         | ,         | ,         | ΨΟ              | 3         |
|                          | ;   | a rolling | dip located at                     | seasonal c  | lass 3 very | little surface eros   | on occuring maitain rolli                               | ng dip.                 |                   |            |             |           |         |           |           |           |                 |           |

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| Road #           | GIS#      | Mile Plan       | Final      | THP#          | THP Name                                      | Problem                                                | Repair Type           | Cr. Clas    | s        | DRCs F    | Rock  | Left D      | Exca.    | Truck    | Gra.      | Cost       | Total Yds |
|------------------|-----------|-----------------|------------|---------------|-----------------------------------------------|--------------------------------------------------------|-----------------------|-------------|----------|-----------|-------|-------------|----------|----------|-----------|------------|-----------|
| Road Class       | ID#       | End Crew        | Done       | Rd Pt         | ECP Number                                    | Solution                                               | Priority/Shedule      | Old Dia     | New [    | Dia Ln    |       | Right D     | Cat      | Labor    | Yds       | \$/FSD     | FSD Yds   |
| 1.2526           | 785       | 2.780 McCan     | 1          | Maintena      | Maintenance                                   | Dip Critical                                           | THP App. Rd.          | III         |          | 0         | 0     | 0           | 0        | 1        | 0         | \$190      | 0         |
| Private Seasonal | 785       | 0.000 Unk       | 5/30/200   |               | ECP Not                                       | Rock Surface                                           | Medium                | _           | -        | 0         |       | 0           | 1        | 0        | 0         | \$0        | 0         |
|                  | a rolling | dip located at  | seasonal c | lass 3 very   | little surface erosion                        | occuring treat: rock i                                 | olling dip.           |             |          |           |       |             |          |          |           |            |           |
| 1.2526           | 779       | 3.300 Hascha    | k Pehl     | 01-392        | Box of Rain                                   | Other                                                  | THP App. Rd.          | II          |          | 0         | 0     | 0           | 1        | 2        | 0         | \$220      | 89        |
| Private Seasonal | 1792      | 0.000 AL        | 10/15/20   | 04            | ECP Not                                       | Culv. Install                                          | High                  | 24"         | 48"      | 0         |       | 0           | 2        | 0        | 20        | \$2        | 89        |
|                  |           |                 |            |               |                                               | oad 45' where shallow di                               |                       |             |          |           |       |             | d is per | ched ov  | er inlet. | Remove t   | nis 20    |
| 1.2526           | 779       | 3.300 McCan     |            |               |                                               | Culv.                                                  | Storm Proofing        | II          |          | 0         | 0     | 0           | 5        | 2        | 0         | \$4,436    | 89        |
| Private Seasonal | 779       | 0.000 Unk       | 11/8/202   | 3             | ECP Not                                       | Culv. Replace                                          | High                  | 24"         | 48"      | 50        |       | 0           | 7        | 4        | 187       | \$50       | 89        |
|                  | a 24" cm  | p on a class 2, | a pond ex  | sist at inlet | extending up stream                           | approx. 200'. Outlet of                                | cmp is shotgunned o   | ausing 17   | yrds. Of | past eros | sion  | treat: exc  | avate t  | op to bo | t replace | e with 48" | mp at     |
|                  |           |                 |            |               | n pond) rock inlet a<br>love this 20 yrds add | and outlet add critical di<br>l critical dip           | ip and rolling dip to | right up ro | ad 45' w | here shal | low d | ip is prese | ent. A   | bove in  | let on le | ft bank 20 | /rds      |
| 1.252654         | 2684      | 0.000 Pehl      | Pehl       | 00-391        | Terrapin Station                              | No Problem                                             | THP Maint Insp        | N/A         |          | 0         | 0     | 0           | 0        | 0        | 0         | \$0        | 0         |
| Private Seasonal | 2684      | 0.400 Unk       | 12/28/20   | 05            | ECP Not                                       | No Action                                              | No Action             | -           | -        | 0         |       | 0           | 0        | 0        | 0         | \$0        | 0         |
|                  | Wet wear  | ther inspection | . Pipes ok | ay. Everyt    | hing very wet after 5                         | of rain in previous 24                                 | hours.                |             |          |           |       |             |          |          |           |            |           |
| 1.252654         | 2685      | 0.000 Pehl      | Pehl       | 01-392        | Box of Rain                                   | No Problem                                             | THP Maint Insp        | N/A         |          | 0         | 0     | 0           | 0        | 0        | 0         | \$0        | 0         |
| Private Seasonal | 2685      | 0.400 Unk       | 12/28/20   | 05            | ECP Not                                       | No Action                                              | No Action             | -           | -        | 0         |       | 0           | 0        | 0        | 0         | \$0        | 0         |
|                  | Wet wear  | ther inspection | . Pipes ok | ay. Everyt    | hing very wet after 5                         | of rain in previous 24 l                               | hours.                |             |          |           |       |             |          |          |           |            |           |
| 1.2541           | 2683      | 0.000 Pehl      | Pehl       | 01-392        | Box of Rain                                   | No Problem                                             | THP Maint Insp        | N/A         |          | 0         | 0     | 0           | 0        | 0        | 0         | \$0        | 0         |
| Private Seasonal | 2683      | 0.400 Unk       | 12/28/20   | 05            | ECP Not                                       | No Action                                              | No Action             | -           | -        | 0         |       | 0           | 0        | 0        | 0         | \$0        | 0         |
|                  |           | -               |            | <u> </u>      | · ·                                           | of rain in previous 24                                 |                       |             |          |           |       |             |          |          |           |            |           |
| 1.2541           | 2682      | 0.000 Pehl      | Pehl       | 00-391        | Terrapin Station                              | No Problem                                             | THP Maint Insp        | N/A         |          | 0         | 0     | 0           | 0        | 0        | 0         | \$0        | 0         |
| Private Seasonal | 2682      | 0.400 Unk       | 12/28/20   | 05            | ECP Not                                       | No Action                                              | No Action             | -           | -        | 0         |       | 0           | 0        | 0        | 0         | \$0        | 0         |
|                  |           | •               |            | · ·           |                                               | of rain in previous 24 l                               |                       |             |          |           |       |             |          |          |           |            |           |
| 1.2541           | 2942      | 0.000 Pehl      | Pehl       | Maintena      |                                               | Surface Drainage                                       | Maintenance           | N/A         |          | 0         | 0     | 0           | 0        | 0        | 0         | \$0        | 259       |
| Upgraded         | 2942      | 0.529 R&S       | 7/25/200   | 6             | ECP Not                                       | Tip and Dip                                            | Medium                | -           | -        | 0         |       | 0           | 0        | 0        | 0         | \$0        | 259       |
| 1.2541           | 2524      | 0.000 Hascha    | k Pehl     | 05-146        | Moss                                          | Surface Drainage                                       | Maintenance           | N/A         |          | 0         | 0     | 0           | 0        | 0        | 0         | \$0        | 0         |
| Private Seasonal | 2524      | 0.300 AL        | 10/13/20   |               | ECP Not                                       | Dip Rolling                                            | THP Low               | -           | -        | 0         |       | 0           | 0        | 0        | 0         | \$0        | 0         |
|                  |           |                 |            |               |                                               | pars along this section of                             |                       |             |          |           |       |             |          |          |           |            |           |
| 1.2541           | 2525      | 0.460 Hascha    |            | 05-146        | Moss                                          | Temp. Crossing                                         | Maintenance           | III         |          | 0         | 0     | 0           | 3        | 0        | 0         | \$285      | 0         |
| Private Seasonal | 2525      | 0.460 AL        | 10/13/20   |               | ECP Not                                       | Temp. Crossing                                         | THP Low               | -           | -        | 0         |       | 0           | 0        | 0        | 0         | \$0        | 0         |
|                  |           |                 |            |               |                                               | all material down to gra                               | · •                   |             | nulch.   |           |       |             |          |          |           |            |           |
| 1.2582           | 1865      | 0.000 Hascha    |            | 01-392        | Box of Rain                                   | Surface Drainage                                       | THP App. Rd.          | N/A         |          | 0         | 0     | 0           | 5        | 0        | 0         | \$575      | 0         |
| Private Seasonal | 1865      | 0.600 R&S       | 6/13/200   |               | ECP Not                                       | Excavate Soil                                          | Medium                | -           | -        | 0         | 1     | 0           | 5        | 0        | 0         | \$0        | 0         |
|                  |           |                 |            |               |                                               | the berm in these areas a<br>il toward the road and ro |                       |             |          |           |       |             |          |          |           |            |           |
| 1.2582           | 2941      | 0.000 Pehl      | Pehl       |               | Maintenance                                   | Surface Drainage                                       | Maintenance           | N/A         |          | 0         | 0     | 0           | 0        | 0        | 0         | \$0        | 196       |
| Upgraded         | 2941      | 0.400 R&S       | 7/25/200   | 6             | ECP Not                                       | Tip and Dip                                            | Medium                | -           | -        | 0         |       | 0           | 0        | 0        | 0         | \$0        | 196       |

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| Road #           | GIS#       | Mile Plan            | Final        | THP#           | THP Name                | Problem                                        | Repair Type           | Cr. Class   |          | RCs F     | Rock  | Left D    | Exca.   | Truck     | Gra.    | Cost    | Total Yds |
|------------------|------------|----------------------|--------------|----------------|-------------------------|------------------------------------------------|-----------------------|-------------|----------|-----------|-------|-----------|---------|-----------|---------|---------|-----------|
| Road Class       | ID#        | End Crew             | Done         | Rd Pt          | ECP Number              | Solution                                       | Priority/Shedule      | Old Dia     | New D    | ia Ln     |       | Right D   | Cat     | Labor     | Yds     | \$/FSD  | FSD Yds   |
| 1.2582           | 2526       | 0.000 Haschal        | k Pehl       | 05-146         | Moss                    | Surface Drainage                               | Maintenance           | N/A         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 0         |
| Private Seasonal | 2526       | 0.400 R&S            | 9/17/200     | 7              | ECP Not                 | Waterbar                                       | THP Low               | -           | -        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  | Maintain   | and enhance ro       | olling dips  | and waterl     | ars along this section  | of road.                                       |                       |             |          |           |       |           |         |           |         |         |           |
| 1.2582           | 5727       | 0.000 Chidlav        | v Chidlaw    | Maintena       | Maintenance             | Other                                          | Maintenance           | N/A         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$163   | 0         |
| Private Seasonal | 5727       | 0.430                | 8/1/2011     |                | ECP Not                 | Herbicides                                     | Medium                | -           | -        | 0         |       | 0         | 0       | 4         | 0       | \$0     | 0         |
| 1.63             | 5726       | 1.750 Chidlav        | v Chidlaw    | Maintena       | Maintenance             | Other                                          | Maintenance           | N/A         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$200   | 0         |
| Private Seasonal | 5726       | 2.270                | 8/1/2011     |                | ECP Not                 | Herbicides                                     | Medium                | -           | -        | 0         |       | 0         | 0       | 5         | 0       | \$0     | 0         |
| 1.637            | 5725       | 0.000 Chidlav        | v Chidlaw    | Maintena       | Maintenance             | Other                                          | Maintenance           | N/A         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$57    | 0         |
| Private Seasonal | 5725       | 0.150                | 8/1/2011     |                | ECP Not                 | Herbicides                                     | Medium                | -           | -        | 0         |       | 0         | 0       | 2         | 0       | \$0     | 0         |
| 1.91             | 5724       | 1.350 Chidlav        | v Chidlaw    | Maintena       | Maintenance             | Other                                          | Maintenance           | N/A         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$64    | 0         |
| Private Seasonal | 5724       | 1.520                | 8/1/2011     |                | ECP Not                 | Herbicides                                     | Medium                | -           | -        | 0         |       | 0         | 0       | 2         | 0       | \$0     | 0         |
| 26               | 6054       | 0.000 Haschal        | k Borcich    | 17-104         | Elm                     | Surface Drainage                               | THP Non-Road          | III         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 10        |
| Existing Skid    | 6558       | 0.000 Unk            | 10/15/20     | 19             | GWDR 1-15-042 SO        | Waterbar                                       | THP Med               | -           | -        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  |            | _                    |              |                | •                       | 21 and 122 extra large to points as used in Do | -                     | aced across | the skid | trail dra | ining | toward th | e class | III watei | rcourse | that is |           |
| 26               | 6053       | 0.000 Haschal        |              |                | Elm                     | Surface Drainage                               | THP Non-Road          | III         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 10        |
| Existing Skid    | 6555       |                      | 10/15/20     |                | ECP Not                 | Waterbar                                       | THP Med               | _           | _        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  |            |                      |              |                |                         | 21 and 122 extra large                         |                       | aced across | the skid | trail dra | ining | toward th | e class | III water | rcourse | that is |           |
|                  |            |                      |              |                |                         | ne points as used in Do                        | •                     |             |          |           |       |           |         |           |         |         |           |
| 26               | 6052       | 0.000 Haschal        |              |                | Elm                     | Surface Drainage                               | THP Non-Road          | III         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 10        |
| Existing Skid    | 6554       |                      | 10/15/20     |                | GWDR 1-15-042 SO        |                                                | Medium                | -           | -        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  |            |                      |              |                |                         | 21 and 122 extra large to points as used in Do |                       | iced across | the skid | trail dra | uning | toward th | e class | III watei | rcourse | that is |           |
| 26               | 6047       | 0.000 Haschal        | k Borcich    | 15-042         | Dogwood                 | Temp. Crossing                                 | THP Non-Road          | III         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 0         |
| Existing Skid    | 6047       | 0.000 Unk            | 10/15/202    | 21             | ECP Not                 | Temp. Crossing                                 | THP Med               | -           | -        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  | Install pi | pe adequate to       | handle flo   | w if wet at    | time of operations. Dip | out to existing grade a                        | t close of operations | <b>3.</b>   |          |           |       |           |         |           |         |         |           |
| 26               | 6045       | 0.000 Haschal        | k Borcich    | 15-042         | Dogwood                 | Temp. Crossing                                 | THP Non-Road          | II          |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 0         |
| Existing Skid    | 6045       | $0.000~\mathrm{Unk}$ | 10/15/202    | 21             | ECP Not                 | Temp. Crossing                                 | THP Med               | -           | -        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  | Install te | mporary pipe 6       | 6" or large  | r. Pull at cle | ose of operations       |                                                |                       |             |          |           |       |           |         |           |         |         |           |
| 26               | 6044       | 0.000 Haschal        | k Borcich    | 15-042         | Dogwood                 | Temp. Crossing                                 | THP Non-Road          | III         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 0         |
| Existing Skid    | 6044       | 0.000 Unk            | 10/15/202    | 21             | ECP Not                 | Temp. Crossing                                 | THP Med               | -           | -        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  | Dip out o  | lown to existinį     | g grade at   | close.         |                         |                                                |                       |             |          |           |       |           |         |           |         |         |           |
| 26               | 6032       | 0.000 Haschal        | k Borcich    | 15-042         | Dogwood                 | Temp. Crossing                                 | THP Non-Road          | III         |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 0         |
| Existing Skid    | 6032       | 0.000 Unk            | 10/15/202    | 21             | ECP Not                 | Temp. Crossing                                 | THP Med               | -           | -        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  | Dip out t  | o grade at close     | e of operat  | ions.          |                         |                                                |                       |             |          |           |       |           |         |           |         |         |           |
| 26               | 6030       | 0.000 Haschal        |              |                | Dogwood                 | Temp. Crossing                                 | THP Non-Road          | II          |          | 0         | 0     | 0         | 0       | 0         | 0       | \$0     | 0         |
| Existing Skid    | 6030       |                      | 10/15/202    |                | ECP Not                 | Temp. Crossing                                 | THP Med               | -           | -        | 0         |       | 0         | 0       | 0         | 0       | \$0     | 0         |
|                  | Install te | mporary pipe if      | f water is p | resent. Pu     | l banks back and remo   | ve all soil down to exis                       | sting grade,          |             |          |           |       |           |         |           |         |         |           |

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| Road #           | GIS#         | Mile Plan                       | Final      | THP#        | THP Name                                  | Problem                                       | Repair Type             | Cr. Class           | е Г        | RCs I     | Rock   | Left D    | Exca.   | Truck    | Gra.    | Cost       | Total Yds |
|------------------|--------------|---------------------------------|------------|-------------|-------------------------------------------|-----------------------------------------------|-------------------------|---------------------|------------|-----------|--------|-----------|---------|----------|---------|------------|-----------|
| Road Class       | ID#          | End Crew                        |            |             | ECP Number                                | Solution                                      | Priority/Shedule        |                     |            |           | took   | Right D   | Cat     | Labor    | Yds     | \$/FSD     | FSD Yds   |
|                  |              |                                 |            |             |                                           |                                               |                         |                     | HOW B      |           | 0      |           |         |          |         | •          |           |
| 26               | 6050         | 0.000 Hascha                    |            |             | Dogwood                                   | Temp. Crossing                                | THP Non-Road            | III                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Existing Skid    | 6050         | 0.000 Unk                       | 10/15/20   |             | ECP Not                                   | Temp. Crossing                                | THP Med                 | -                   | -          | 0         |        | 0         | 0       | 0        | 0       | \$0        | 0         |
| 26               | •            | pe adequate to<br>0.000 Hascha  |            |             | •                                         | Dip out to existing grade                     | •                       | s.<br>II            |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Existing Skid    | 6015<br>6015 | 0.000 Hascha<br>0.000 Unk       | 10/15/20   |             | Dogwood<br>ECP Not                        | Temp. Crossing                                | THP Non-Road<br>THP Med | 11                  |            | 0         | U      | 0         | 0       | 0        | 0       | \$0<br>\$0 | 0         |
| Existing Skid    |              |                                 |            |             |                                           | Temp. Crossing                                |                         | -                   | -          | U         |        | U         | U       | U        | U       | \$0        | U         |
| 26               | 6031         | 0.000 Hascha                    |            |             | Dogwood                                   | grade at close of operation<br>Temp. Crossing | THP Non-Road            | III                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Existing Skid    | 6031         | 0.000 Hasena<br>0.000 Unk       | 10/15/20   |             | ECP Not                                   | Temp. Crossing                                | THP Med                 | 111                 |            | 0         | U      | 0         | 0       | 0        | 0       | \$0<br>\$0 | 0         |
| Existing Skid    |              |                                 |            |             | ECP NOI                                   | remp. Crossing                                | THP Med                 | -                   | -          | U         |        | U         | U       | U        | U       | \$0        | U         |
| 26               | •            | o grade at clos<br>0.000 Hascha |            |             | Dearwood                                  | Town Crossins                                 | THP Non-Road            | Swale               |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
|                  | 6016<br>6016 | 0.000 Hascha<br>0.000 Unk       |            |             | Dogwood<br>ECP Not                        | Temp. Crossing                                | THP Med                 | Swale               |            | 0         | U      | 0         | 0       | 0        | 0       | \$0<br>\$0 |           |
| Existing Skid    |              |                                 | 10/15/20   |             |                                           | Temp. Crossing                                |                         | -<br>141            | -          |           |        | U         | U       | U        | U       | \$0        | 0         |
| 26               |              |                                 |            |             | -                                         | ry or install small culver                    |                         |                     | e or opera |           | 0      | 0         | 0       | 0        | 0       | 60         | 10        |
| 26               | 6052         | 0.000 Hascha                    |            |             | Dogwood                                   | Surface Drainage                              | THP Non-Road            | III                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 10        |
| Existing Skid    | 6052         | 0.000 Unk                       | 10/15/20   |             | GWDR 1-15-042                             |                                               | THP Med                 |                     | -          | 0         |        | 0         | 0       | U        | 0       | \$0        | 0         |
|                  |              | _                               |            |             | llow down it. At 120<br>e may be required | , 121 and 122 extra large                     | e waterbars will be pl  | aced across         | the skid   | trail dra | uning  | toward th | e class | III wate | rcourse | that is    |           |
| 26               | 6053         | 0.000 Hascha                    | k Borcich  | 15-042      | Dogwood                                   | Surface Drainage                              | THP Non-Road            | III                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Existing Skid    | 6053         | 0.000 Unk                       | 10/15/20   | 21          | ECP Not                                   | Waterbar                                      | THP Med                 | -                   | -          | 0         |        | 0         | 0       | 0        | 0       | \$0        | 0         |
|                  |              |                                 |            |             | flow down it. At 120<br>e may be required | , 121 and 122 extra large                     | waterbars will be pla   | aced across         | the skid   | trail dra | ining  | toward th | e class | III wate | rcourse | that is    |           |
| 26               | 6054         | 0.000 Hascha                    |            |             | Dogwood                                   | Surface Drainage                              | THP Non-Road            | III                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Existing Skid    | 6054         | 0.000 Unk                       | 10/15/20   |             | ECP Not                                   | Waterbar                                      | THP Med                 | -                   | _          | 0         |        | 0         | 0       | 0        | 0       | \$0        | 0         |
| Emoung one       |              |                                 |            |             |                                           | , 121 and 122 extra large                     |                         | aced across         | the skid   | trail dra | ninino |           | e class | -        | rcourse | * -        | v         |
|                  |              |                                 |            |             | e may be required                         | , 121 and 122 onto large                      | waterours will be pr    | <b>acca ac</b> 1055 | o the said | uun un    | •      | toward in | o class | III Wate | icourse | inut 15    |           |
| 26               | 6017         | 0.000 Hascha                    | k Borcich  | 15-042      | Dogwood                                   | Temp. Crossing                                | THP Non-Road            | III                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Existing Skid    | 6017         | 0.000 Unk                       | 10/15/20   | 21          | ECP Not                                   | Temp. Crossing                                | THP Med                 | -                   | -          | 0         |        | 0         | 0       | 0        | 0       | \$0        | 0         |
|                  | Dip out o    | lass III crossin                | g at close | of operatio | ns.                                       |                                               |                         |                     |            |           |        |           |         |          |         |            |           |
| 40.19            | 2674         | 0.000 Pehl                      | Pehl       | 99-445      | Flats South                               | No Problem                                    | THP Maint Insp          | N/A                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Private Seasonal | 2674         | 3.750 Unk                       | 12/23/20   | 005         | ECP Not                                   | No Action                                     | No Action               | -                   | -          | 0         |        | 0         | 0       | 0        | 0       | \$0        | 0         |
|                  | Winter In    | spection. No                    | problems.  |             |                                           |                                               |                         |                     |            |           |        |           |         |          |         |            |           |
| 40.1961          | 2691         | 0.000 Pehl                      | Pehl       | 01-392      | Box of Rain                               | No Problem                                    | THP Maint Insp          | N/A                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Private Seasonal | 2691         | 3.200 Unk                       | 12/28/20   | 005         | ECP Not                                   | No Action                                     | No Action               | -                   | -          | 0         |        | 0         | 0       | 0        | 0       | \$0        | 0         |
|                  | Wet wear     | ther inspection                 | . Pipes ol | cay. Everyt | hing very wet after 5                     | " of rain in previous 24                      | hours.                  |                     |            |           |        |           |         |          |         |            |           |
| 40.196104        | 5722         | 0.750 Chidlay                   | w Chidlav  | v Maintena  | Maintenance                               | Other                                         | Maintenance             | N/A                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$230      | 0         |
| Private Seasonal | 5722         | 1.350                           | 8/1/2011   |             | ECP Not                                   | Herbicides                                    | Medium                  | -                   | -          | 0         |        | 0         | 0       | 6        | 0       | \$0        | 0         |
| 40.19610421      | 2690         | 0.000 Pehl                      | Pehl       | 01-392      | Box of Rain                               | No Problem                                    | THP Maint Insp          | N/A                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$0        | 0         |
| Private Seasonal | 2690         | 0.250 Unk                       | 12/28/20   | 005         | ECP Not                                   | No Action                                     | No Action               | _                   | -          | 0         |        | 0         | 0       | 0        | 0       | \$0        | 0         |
|                  | Wet wear     | her inspection                  | . Pipes ol | cay. Everyt | hing very wet after 5                     | " of rain in previous 24                      | hours.                  |                     |            |           |        |           |         |          |         |            |           |
| 40.19610421      | 5721         |                                 | -          |             | Maintenance                               | Other                                         | Maintenance             | N/A                 |            | 0         | 0      | 0         | 0       | 0        | 0       | \$95       | 0         |
| Private Seasonal | 5721         | 0.250                           | 8/1/2011   |             | ECP Not                                   | Herbicides                                    | Medium                  | _                   | -          | 0         |        | 0         | 0       | 3        | 0       | \$0        | 0         |
|                  |              |                                 |            |             |                                           |                                               |                         |                     |            | -         |        |           |         |          | •       | * -        |           |

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| Road #           | GIS#       | Mile Plan       | Final      | THP#        | THP Name              | Problem                     | Repair Type      | Cr. Class | s [   | DRCs F | Rock | Left D  | Exca. | Truck | Gra. | Cost    | Total Yds |
|------------------|------------|-----------------|------------|-------------|-----------------------|-----------------------------|------------------|-----------|-------|--------|------|---------|-------|-------|------|---------|-----------|
| Road Class       | ID#        | End Crew        | Done       | Rd Pt       | ECP Number            | Solution                    | Priority/Shedule | Old Dia   | New D | ia Ln  |      | Right D | Cat   | Labor | Yds  | \$/FSD  | FSD Yds   |
| 40.19610436      | 2689       | 0.000 Pehl      | Pehl       | 01-392      | Box of Rain           | No Problem                  | THP Maint Insp   | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2689       | 1.000 Unk       | 12/28/20   |             | ECP Not               | No Action                   | No Action        | -         | _     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Wet wea    | ther inspection | . Pipes ok | ay. Everytl | ning very wet after : | 5" of rain in previous 24 h |                  |           |       |        |      |         |       |       |      |         |           |
| 40.19610436      | 5720       | 0.000 Chidlay   |            |             | Maintenance           | Other                       | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$406   | 0         |
| Private Seasonal | 5720       | 1.040           | 8/1/2011   |             | ECP Not               | Herbicides                  | Medium           | -         | -     | 0      |      | 0       | 0     | 11    | 0    | \$0     | 0         |
| 40.19610483      | 5723       | 0.000 Chidlay   | w Chidlaw  | Maintena    | Maintenance           | Other                       | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$102   | 0         |
| Private Seasonal | 5723       | 0.270           | 8/1/2011   |             | ECP Not               | Herbicides                  | Medium           | -         | -     | 0      |      | 0       | 0     | 3     | 0    | \$0     | 0         |
| 40.196933        | 29         | 0.000 Chidlay   | w Chidlaw  | Maintena    | Maintenance           | Cut Bank Failure            | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 29         | 0.000 TT        | 10/20/19   | 98          | ECP Not               | Other                       | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Opened 1   | oad for spray o | rew        |             |                       |                             |                  |           |       |        |      |         |       |       |      |         |           |
| 40.196933        | 16         | 2.000 Kelly     | Kelly      | 95-485      | North Stanley         | No Problem                  | THP New Con.     | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$1,440 | 0         |
| Private Seasonal | 16         | 0.000 TT        | 9/14/199   | 8           | ECP Not               | Other                       | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 40.196933        | 28         | 2.500 Chidlay   | w Chidlaw  | Maintena    | Maintenance           | Cut Bank Failure            | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 28         | 0.000 TT        | 10/20/19   | 98          | ECP Not               | Other                       | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Opened 1   | oad for spray o | rew        |             |                       |                             |                  |           |       |        |      |         |       |       |      |         |           |
| 40.196963        | 27         | 0.000 Chidlay   | w Chidlaw  | Maintena    | Maintenance           | Cut Bank Failure            | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 27         | 0.000 TT        | 10/20/19   | 98          | ECP Not               | Other                       | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  |            | oad for spray o |            |             |                       |                             |                  |           |       |        |      |         |       |       |      |         |           |
| 60.02            | 5523       | 0.000 Alden     | Alden      | Maintena    | Maintenance           | Surface Drainage            | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 8     | 8    | \$2,380 | 122       |
| Storm Proofed    | 5523       | 0.250 Unk       | 8/18/201   |             | ECP Not               | Rock Surface                | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$19    | 122       |
|                  |            | raded and com   | _          |             |                       |                             |                  |           |       |        |      |         |       |       |      |         |           |
| 60.02            | 1126       | 0.400 Alden     | Alden      | Maintena    | Maintenance           | No Problem                  | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1126       | 0.000 Unk       | 12/5/200   |             | ECP Not               | Gate                        | Low              | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.025           | 5524       | 0.000 Alden     | Alden      | Maintena    | Maintenance           | Surface Drainage            | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 2     | 0    | \$156   | 0         |
| Private Seasonal | 5524       | 0.030 R&S       | 8/18/201   |             | ECP Not               | Rock Surface                | Medium           | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | •          | raded and com   | •          |             |                       |                             |                  |           |       |        |      |         |       |       |      |         |           |
| 60.0904          | 5794       | 0.000 Pehl      | Pehl       | 08-086      | Belladonna            | Surface Drainage            | THP App. Rd.     | N/A       |       | 0      | 0    | 0       | 16    | 0     | 0    | \$3,918 | 230       |
| Storm Proofed    | 5794       | 0.470 R&S       | 6/15/201   |             | ECP Not               | Tip and Dip                 | Medium           | -         | -     | 0      |      | 0       | 18    | 0     | 0    | \$17    | 230       |
|                  |            | road, pulled be |            |             |                       | N. D. 11                    |                  | 27/1      |       |        |      |         | -     |       |      |         |           |
| 60.0904          | 1125       | 0.010 Alden     | Alden      | Maintena    | Maintenance           | No Problem                  | Maintenance      | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1125       | 0.000 Unk       | 12/5/200   |             | ECP Not               | Gate                        | Low              | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0904          | 2854       | 0.160 Pehl      | Pehl       | 08-086      | Belladonna            | Surface Drainage            | THP App. Rd.     | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2854       | 0.000 R&S       | 6/18/201   | 2           | ECP Not               | Dip Rolling                 | THP Low          | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| _                |            | lling dip.      |            |             |                       |                             |                  | **/.      |       |        |      |         |       |       |      |         |           |
| 60.0904          | 2853       | 0.200 Pehl      | Pehl       | 08-086      | Belladonna            | Surface Drainage            | THP App. Rd.     | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2853       | 0.000 R&S       | 6/18/201   | 2           | ECP Not               | Dip Rolling                 | THP Low          | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Install ro | lling dip.      |            |             |                       |                             |                  |           |       |        |      |         |       |       |      |         |           |

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| Road #           | GIS#             | Mile Plan       | Final       | THP#         | THP Name                                 | Problem                     | Repair Type              | Cr. Class    |           | ORCs I  | Rock    | Left D      | Exca.   | Truck  | Gra.      | Cost           | Total Yds |
|------------------|------------------|-----------------|-------------|--------------|------------------------------------------|-----------------------------|--------------------------|--------------|-----------|---------|---------|-------------|---------|--------|-----------|----------------|-----------|
| Road Class       | ID#              | End Crew        | Done        | Rd Pt        | ECP Number                               | Solution                    | Priority/Shedule         | Old Dia      | New D     | ia Ln   |         | Right D     | Cat     | Labor  | Yds       | \$/FSD         | FSD Yds   |
| 60.0904          | 2852             | 0.250 Pehl      | Pehl        | 08-086       | Belladonna                               | Surface Drainage            | THP App. Rd.             | N/A          |           | 0       | 0       | 0           | 0       | 0      | 0         | \$0            | 0         |
| Private Seasonal | 2852             | 0.000 R&S       | 6/18/201    | 2            | ECP Not                                  | Dip Rolling                 | THP Low                  | -            | -         | 0       |         | 0           | 0       | 0      | 0         | \$0            | 0         |
|                  | Install ro       | lling dip.      |             |              |                                          |                             |                          |              |           |         |         |             |         |        |           |                |           |
| 60.0904          | 2851             | 0.300 Pehl      | Pehl        | 08-086       | Belladonna                               | Surface Drainage            | THP App. Rd.             | N/A          |           | 0       | 0       | 0           | 0       | 0      | 0         | \$0            | 0         |
| Private Seasonal | 2851             | 0.000 R&S       | 6/18/201    | 2            | ECP Not                                  | Dip Rolling                 | THP Low                  | -            | -         | 0       |         | 0           | 0       | 0      | 0         | \$0            | 0         |
|                  | Install ro       | lling dip.      |             |              |                                          |                             |                          |              |           |         |         |             |         |        |           |                |           |
| 60.0904          | 5527             | 0.530 Pehl      | Pehl        | 08-086       | Belladonna                               | Surface Drainage            | Storm Proofing           | N/A          |           | 0       | 0       | 0           | 0       | 0      | 0         | \$0            | 49        |
| Abandoned Fixed  | 5527             | 0.630 R&S       | 8/25/201    | 0            | ECP Not                                  | Tip and Dip                 | Medium                   | -            | -         | 0       |         | 0           | 0       | 0      | 0         | \$0            | 49        |
| 60.0904          | 2850             | 0.620 Pehl      | Pehl        | 08-086       | Belladonna                               | Fill - Road                 | THP App. Rd.             | N/A          |           | 0       | 0       | 0           | 4       | 0      | 0         | \$865          | 100       |
| Private Seasonal | 2850             | 0.000 R&S       | 9/9/2010    | 1            | Waiver                                   | Excavate Soil               | THP Low                  | -            | -         | 0       |         | 0           | 4       | 0      | 100       | \$9            | 100       |
|                  | Pull unst        | able portion of | road edge   | e. Use mate  | rial to outslope road.                   |                             |                          |              |           |         |         |             |         |        |           |                |           |
| 60.0904          | 5528             | 0.630 Pehl      | Pehl        | 08-086       | Belladonna                               | Surface Drainage            | Storm Proofing           | N/A          |           | 0       | 0       | 0           | 0       | 0      | 0         | \$0            | 264       |
| Storm Proofed    | 5528             | 1.170 R&S       | 8/25/201    | 0            | ECP Not                                  | Tip and Dip                 | Medium                   | -            | -         | 0       |         | 0           | 0       | 0      | 0         | \$0            | 264       |
| 60.0904          | 2849             | 0.670 Pehl      | Pehl        | 08-086       | Belladonna                               | Other                       | THP App. Rd.             | П            |           | 0       | 0       | 0           | 15      | 7      | 0         | \$3,072        | 370       |
| Private Seasonal | 2849             | 0.000 R&S       | 8/25/201    | 0            | Waiver                                   | Remove Crossing             | THP Low                  | -            | -         | 0       |         | 0           | 8       | 1      | 200       | \$8            | 370       |
|                  | Water flo        | wing across ro  | ad. No e    | vidence of a | prepared crossing. E                     | xcavate road fill to nati   | ıral grade, lay banks    | back at a st | table ang | le.     |         |             |         |        |           |                |           |
| 60.0904          | 2848             | 0.671 Pehl      | Pehl        | 08-086       | Belladonna                               | Other                       | THP App. Rd.             | П            |           | 0       | 0       | 0           | 30      | 26     | 0         | \$6,451        | 1,000     |
| Private Seasonal | 2848             | 0.000 R&S       | 8/31/201    | 0            | Waiver                                   | Remove Crossing             | THP Low                  | -            | -         | 0       |         | 0           | 9       | 1      | 600       | \$6            | 1,000     |
|                  | Road cro         | sses watercour  | se with no  | evidence o   | of a prepared crossing.                  | Stream has down cut to      | hrough road surface,     | leaving ste  | ep banks  | that ar | e conti | inuing to a | adjust. | Remove | e fill ma | terial from    |           |
|                  | crossing,        | lay banks back  | to a stab   | le angle, an | d block crossing to ac                   | cess to cars and trucks v   | vith log or large rocl   | ks.          |           |         |         |             |         |        |           |                |           |
| 60.0904          | 2847             | 0.700 Pehl      | Pehl        | 08-086       | Belladonna                               | Surface Drainage            | THP App. Rd.             | N/A          |           | 0       | 0       | 0           | 0       | 0      | 0         | \$0            | 0         |
| Private Seasonal | 2847             | 0.000 R&S       | 9/9/2010    | 1            | ECP Not                                  | Dip Rolling                 | THP Low                  | -            | -         | 0       |         | 0           | 0       | 0      | 0         | \$0            | 0         |
|                  | Road rec         | eives drainage  | from road   | l above. Ins | stall rolling dip.                       |                             |                          |              |           |         |         |             |         |        |           |                |           |
| 60.0904          | 2846             | 0.720 Pehl      | Pehl        | 08-086       | Belladonna                               | Fill - Road                 | THP App. Rd.             | N/A          |           | 0       | 0       | 0           | 0       | 0      | 0         | \$0            | 0         |
| Private Seasonal | 2846             | 0.000 R&S       | 9/9/2010    | 1            | ECP Not                                  | Excavate Soil               | THP Low                  | -            | -         | 0       |         | 0           | 0       | 0      | 0         | \$0            | 0         |
|                  | Perched :        | fill has broken | loose fron  | n road edge  | . Excavate road edge.                    | Use material to outslo      | oe road.                 |              |           |         |         |             |         |        |           |                |           |
| 60.0904          | 2845             | 0.750 Pehl      | Pehl        | 08-086       | Belladonna                               | Surface Drainage            | THP App. Rd.             | N/A          |           | 0       | 0       | 0           | 0       | 0      | 0         | \$0            | 0         |
| Private Seasonal | 2845             | 0.000 R&S       | 9/9/2010    | 1            | ECP Not                                  | Dip Rolling                 | THP Low                  | -            | -         | 0       |         | 0           | 0       | 0      | 0         | \$0            | 0         |
|                  | Install ro       | lling dip.      |             |              |                                          |                             |                          |              |           |         |         |             |         |        |           |                |           |
| 60.0904          | 2834             | 0.760 Pehl      | Pehl        | 08-086       | Belladonna                               | Surface Drainage            | THP App. Rd.             | N/A          |           | 0       | 0       | 0           | 0       | 0      | 0         | \$0            | 0         |
| Private Seasonal | 2834             | 0.000 R&S       | 9/9/2010    | 1            | ECP Not                                  | Dip Rolling                 | THP Low                  | -            | -         | 0       |         | 0           | 0       | 0      | 0         | \$0            | 0         |
|                  | Remove           | outside berm a  | nd pile of  | earth, and v | widen relief of existing                 | g dip.                      |                          |              |           |         |         |             |         |        |           |                |           |
| 60.0904          | 2833             | 0.810 Pehl      | Pehl        | 08-086       | Belladonna                               | CulvDitch Relief            | THP App. Rd.             | N/A          |           | 0       | 0       | 0           | 2       | 0      | 0         | \$337          | 0         |
| D                | 2833             | 0.000 R&S       | 8/20/201    | 0            | ECP Not                                  | Culv. Maintenance           | THP Low                  | 18"          | -         | 0       |         | 0           | 1       | 0      | 0         | \$0            | 0         |
| Private Seasonal |                  |                 |             |              |                                          |                             |                          |              |           |         |         |             |         |        |           |                |           |
|                  | Existing         | 18" culvert. C  | lean inlet. | Remove o     | utside berms and outsi                   | ope road in vicinity.       |                          |              |           |         |         |             |         |        |           |                |           |
|                  | Existing<br>2304 | 18" culvert. C  |             |              | utside berms and outsi<br>LNF P01030405A | ope road in vicinity. Culv. | Storm Proofing           | III          |           | 0       | 0       | 0           | 7       | 0      | 0         | \$3,786        | 0         |
|                  |                  |                 |             | 271 LNF      |                                          | •                           | Storm Proofing<br>Medium | III<br>18"   | 42"       | 0<br>60 | 0       | 0           | 7 2     | 0 2    | 0         | \$3,786<br>\$0 | 0         |

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| Road #           | GIS#       | Mile Plan            | Final       | THP#          | THP Name               | Problem                      | Repair Type        | Cr. Class    |          | DRCs    | Rock  | Left D  | Exca. | Truck | Gra. | Cost    | Total Yds |
|------------------|------------|----------------------|-------------|---------------|------------------------|------------------------------|--------------------|--------------|----------|---------|-------|---------|-------|-------|------|---------|-----------|
| Road Class       | ID#        | End Crew             | Done        | Rd Pt         | ECP Number             | Solution                     | Priority/Shedule   | Old Dia      | New D    | ia Ln   |       | Right D | Cat   | Labor | Yds  | \$/FSD  | FSD Yds   |
| 60.0904          | 2304       | 0.850 Pehl           | Pehl        | Maintena      | Maintenance            | Culv.                        | THP App. Rd.       | II           |          | 0       | 0     | 0       | 0     | 0     | 0    | \$1,105 | 0         |
| Private Seasonal | 2832       | 0.000 R&S            | 7/4/2007    |               | ECP Not                | Culv. Install                | Medium             | -            | 24"      | 60      |       | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Watercou   | ırse diverted in     | to ditch. I | install 24" o | ulvert at natural grad | e with a non-diversion d     | ip. Excavate above | inlet to rem | ove stor | ed sedi | ment. |         |       |       |      |         |           |
| 60.0904          | 2831       | 0.870 Pehl           | Pehl        | 08-086        | Belladonna             | CulvDitch Relief             | THP App. Rd.       | N/A          |          | 0       | 0     | 0       | 2     | 0     | 0    | \$433   | 0         |
| Private Seasonal | 2831       | 0.000 R&S            | 8/20/2010   | 0             | ECP Not                | Culv. Maintenance            | THP Low            | -            | -        | 0       |       | 0       | 2     | 0     | 0    | \$0     | 0         |
|                  | Existing   | 18" culvert. Pl      | ugged inle  | t. Clean in   | let. Maintain outslope | e in this area.              |                    |              |          |         |       |         |       |       |      |         |           |
| 60.0904          | 1829       | 0.920 Alden          | Alden       | Maintena      | Maintenance            | No Problem                   | Maintenance        | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1829       | $0.000~\mathrm{Unk}$ | 10/15/200   | 01            | ECP Not                | Rock Pit                     | Low                | -            | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Old retur  | n road pit           |             |               |                        |                              |                    |              |          |         |       |         |       |       |      |         |           |
| 60.0904          | 2830       | 0.920 Pehl           | Pehl        | 08-086        | Belladonna             | CulvDitch Relief             | THP App. Rd.       | N/A          |          | 0       | 0     | 0       | 2     | 0     | 0    | \$433   | 0         |
| Private Seasonal | 2830       | 0.000~R&S            | 8/20/2010   | 0             | ECP Not                | Culv. Maintenance            | THP Low            | 18"          | -        | 0       |       | 0       | 2     | 0     | 0    | \$0     | 0         |
|                  | Existing   | 18" culvert. C       | lean inlet. |               |                        |                              |                    |              |          |         |       |         |       |       |      |         |           |
| 60.0904          | 2829       | 0.940 Pehl           | Pehl        | 08-086        | Belladonna             | CulvDitch Relief             | THP App. Rd.       | N/A          |          | 0       | 0     | 0       | 2     | 0     | 0    | \$468   | 0         |
| Private Seasonal | 2829       | 0.000~R&S            | 8/20/2010   | 0             | ECP Not                | Culv. Maintenance            | THP Low            | 18"          | -        | 0       |       | 0       | 2     | 1     | 0    | \$0     | 0         |
|                  | Existing   | 18" culvert. C       | lean inlet. | Maintain o    | outslope in this area. |                              |                    |              |          |         |       |         |       |       |      |         |           |
| 60.0904          | 2828       | 0.950 Pehl           | Pehl        | 08-086        | Belladonna             | Cut Bank Failure             | THP App. Rd.       | N/A          |          | 0       | 0     | 0       | 8     | 0     | 0    | \$1,580 | 0         |
| Private Seasonal | 2828       | 0.000~R&S            | 8/23/2010   | 0             | ECP Not                | Excavate Soil                | THP Low            | -            | -        | 0       |       | 0       | 6     | 3     | 0    | \$0     | 0         |
|                  | Install ro | cked rolling di      | p to cross  | drain road a  | at this location.      |                              |                    |              |          |         |       |         |       |       |      |         |           |
| 60.090402        | 5912       | 0.000 Alden          | Alden       | Maintena      | Maintenance            | No Problem                   | Assessment         | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 5912       | 0.110 Unk            | 2/26/2013   | 3             | ECP Not                | No Action                    | Medium             | -            | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0916          | 5913       | 0.000 Alden          | Alden       | Maintena      | Maintenance            | No Problem                   | Assessment         | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 5913       | 0.070 Unk            | 2/26/2013   | 3             | ECP Not                | No Action                    | Medium             | -            | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0921          | 1129       | 0.010 Alden          | Alden       | Maintena      | Maintenance            | No Problem                   | Maintenance        | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1129       | 0.000 Unk            | 12/5/2000   | 0             | ECP Not                | Gate                         | Low                | -            | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0924          | 1096       | 0.020 Alden          | Alden       | Maintena      | Maintenance            | No Problem                   | Maintenance        | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1096       | 0.000 Unk            | 12/5/2000   | 0             | ECP Not                | Gate                         | Low                | -            | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0924          | 5846       | 0.200 Chidla         | w Chidlaw   | Maintena      | Maintenance            | Other                        | Maintenance        | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$51    | 0         |
| Private Seasonal | 5846       | 0.300                | 8/1/2012    |               | ECP Not                | Herbicides                   | Medium             | -            | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0924          | 2947       | 0.360 Pehl           | Pehl        | Maintena      | Maintenance            | Surface Drainage             | Maintenance        | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$0     | 313       |
| Storm Proofed    | 2947       | 1.000 ME             | 7/25/2000   | 6             | ECP Not                | Tip and Dip                  | Medium             | -            | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 313       |
| 60.0924          | 687        | 0.500 Kelly          | Kelly       | Maintena      | Maintenance            | CulvDitch Relief             | Maintenance        | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 687        | $0.000~\mathrm{Unk}$ | 2/15/2000   | 0             | ECP Not                | No Action                    | Medium             | 18"          | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0924          | 1097       | 0.500 Alden          | Alden       | Maintena      | Maintenance            | No Problem                   | Maintenance        | N/A          |          | 0       | 0     | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1097       | 0.000 Unk            | 12/5/2000   | 0             | ECP Not                | Gate                         | Low                | -            | -        | 0       |       | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0924          | 2844       | 0.520 Pehl           | Pehl        | 08-086        | Belladonna             | Culv.                        | THP App. Rd.       | III          |          | 0       | 30    | 0       | 10    | 4     | 1    | \$4,632 | 100       |
| Private Seasonal | 2844       | $0.000~\mathrm{PW}$  | 10/11/20    | 12            | Waiver                 | Culv. Replace                | THP Low            | 18"          | 24"      | 60      |       | 0       | 8     | 0     | 100  | \$46    | 100       |
|                  | E-i-ti     | 10#1 D               | - 44 !      | E T           |                        | aut. Imptall at maternal aug | 4                  | .4441        |          |         |       |         |       |       |      |         |           |

Existing 18" culvert. Bottom is rusted out. Replace with 24" culvert. Install at natural grade with rock dissapater at outlet.

| Road #           | GIS#       | Mile Plan                   | Final        | THP#        | THP Name                                         | Problem                                                              | Repair Type           | Cr. Class   | s E        | RCs Roc      | Left D      | Exca     | Truck      | Gra.      | Cost         | Total Yds |
|------------------|------------|-----------------------------|--------------|-------------|--------------------------------------------------|----------------------------------------------------------------------|-----------------------|-------------|------------|--------------|-------------|----------|------------|-----------|--------------|-----------|
| Road Class       | ID#        | End Crew                    | Done         | Rd Pt       | ECP Number                                       | Solution                                                             | Priority/Shedule      | Old Dia     | New D      | a Ln         | Right D     | Cat      | Labor      | Yds       | \$/FSD       | FSD Yds   |
| 60.0924          | 2843       | 0.570 Pehl                  | Pehl         | 08-086      | Belladonna                                       | Surface Drainage                                                     | THP App. Rd.          | N/A         |            | 0 0          | 0           | 2        | 1          | 0         | \$511        | 0         |
| Private Seasonal | 2843       | 0.000 R&S                   | 9/9/2010     |             | ECP Not                                          | Dip Rolling                                                          | THP Low               | _           | -          | 0            | 0           | 2        | 0          | 0         | \$0          | 0         |
|                  |            |                             |              |             |                                                  | road surface from dip                                                |                       | quire remo  | ving or re | ducing pile  | on the outs | ide edg  | ge of roa  | d , inten | t is to make | e sure    |
|                  | the travel |                             |              |             | han the outside edge a                           | nd does not collect wa                                               |                       |             |            |              |             |          |            |           |              |           |
| 60.0924          | 662        | 0.600 Heath                 | Pehl         | 99-460      | Sugaree                                          | Gully                                                                | THP App. Rd.          | II          |            | 0 0          | 0           | 0        | 0          | 0         | \$250        | 0         |
| Private Seasonal | 662        | $0.000~\mathrm{BB}$         | 1/20/200     |             | ECP Not                                          | Other                                                                | THP Low               | -           | -          | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
| 8                | around to  | p of culvert ou             | itlet to roa | d edge. Co  |                                                  | long x 1 foot deep abo<br>op of fill and road edge<br>ng trash rack. |                       |             |            |              |             |          |            |           |              |           |
| 60.0924          | 662        | 0.600 Hagans                | Hagans       | 271 LNF     | LNF P01030405A                                   | Culv.                                                                | Storm Proofing        | II          |            | 0 0          | 0           | 5        | 0          | 0         | \$2,405      | 0         |
| Storm Proofed    | 2305       | 0.000 GE                    | 10/31/20     | 03          | ECP Not                                          | Culv. Replace                                                        | Medium                | 18"         | 36"        | 40           | 0           | 3        | 0          | 0         | \$0          | 0         |
| 60.0924          | 2842       | 0.600 Pehl                  | Pehl         | 08-086      | Belladonna                                       | Dip Critical                                                         | THP App. Rd.          | II          |            | 0 0          | 0           | 2        | 0          | 0         | \$646        | 0         |
| Private Seasonal | 2842       | $0.000~\mathrm{PW}$         | 10/11/20     | 12          | ECP Not                                          | Dip Critical                                                         | THP Low               | 36"         | -          | 0            | 0           | 2        | 0          | 0         | \$0          | 0         |
|                  |            |                             |              |             | ove critical dip down g<br>ssing and fill slope. | rade (south) 20 feet to                                              | old dip location. Exc | avate road  | edge app   | roximately 4 | 0 feet upg  | rade (ea | st) to all | ow outs   | loped road   |           |
| 60.0924          | 2841       | 0.630 Pehl                  | Pehl         | 08-086      | Belladonna                                       | CulvDitch Relief                                                     | THP App. Rd.          | N/A         |            | 0 0          | 0           | 0        | 0          | 0         | \$0          | 0         |
| Private Seasonal | 2841       | 0.000 R&S                   | 9/9/2010     |             | Waiver                                           | Culv. Replace                                                        | THP Low               | 18"         | 18"        | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
|                  |            | 18" culvert cro<br>wnspout. | ss drains l  | bank seep a | nd ditch. Pipe is shota                          | gunned. Install new 18"                                              | pipe. Pipe should be  | installed a | ıt a 45 de | gree angle t | road cent   | erline.  | Armor p    | ipe outl  | et with rip  | rap or    |
| 60.0924          | 2840       | 0.650 Pehl                  | Pehl         | 08-086      | Belladonna                                       | Fill - Road                                                          | THP App. Rd.          | N/A         |            | 0 0          | 0           | 0        | 0          | 0         | \$0          | 0         |
| Private Seasonal | 2840       | 0.000 R&S                   | 9/9/2010     |             | ECP Not                                          | Excavate Soil                                                        | THP Low               | -           | -          | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
| ]                | Excavate   | road edge to                | improve d    | rainage/out | slope. BRP34 to BRP                              | 35.                                                                  |                       |             |            |              |             |          |            |           |              |           |
| 60.0924          | 2839       | 0.680 Pehl                  | Pehl         | 08-086      | Belladonna                                       | Fill - Road                                                          | THP App. Rd.          | N/A         |            | 0 0          | 0           | 0        | 0          | 0         | \$0          | 0         |
| Private Seasonal | 2839       | 0.000 R&S                   | 9/9/2010     |             | ECP Not                                          | Excavate Soil                                                        | THP Low               | -           | -          | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
| 1                | Excavate   | road edge to i              | mprove dr    | ainage/outs | slope. BRP34 to BRP3                             | 35.                                                                  |                       |             |            |              |             |          |            |           |              |           |
| 60.0924          | 2838       | 0.700 Pehl                  | Pehl         | 08-086      | Belladonna                                       | Fill - Road                                                          | THP App. Rd.          | N/A         |            | 0 0          | 0           | 0        | 0          | 0         | \$0          | 0         |
| Private Seasonal | 2838       | 0.000 R&S                   | 9/9/2010     |             | ECP Not                                          | Excavate Soil                                                        | THP Low               | -           | -          | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
| ]                | Excavate   | road edge to i              | mprove dr    | ainage/outs | slope. BRP32 to BRP3                             | 33.                                                                  |                       |             |            |              |             |          |            |           |              |           |
| 60.0924          | 2837       | 0.760 Pehl                  | Pehl         | 08-086      | Belladonna                                       | Fill - Road                                                          | THP App. Rd.          | N/A         |            | 0 0          | 0           | 0        | 0          | 0         | \$0          | 0         |
| Private Seasonal | 2837       | 0.000 R&S                   | 9/9/2010     |             | ECP Not                                          | Excavate Soil                                                        | THP Low               | -           | -          | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
| ]                | Excavate   | road edge to                | improve d    | rainage/out | slope. BRP32 to BRP                              | 33.                                                                  |                       |             |            |              |             |          |            |           |              |           |
| 60.0924          | 688        | 0.780 Kelly                 | Kelly        | Maintena    | Maintenance                                      | CulvDitch Relief                                                     | Maintenance           | N/A         |            | 0 0          | 0           | 0        | 0          | 0         | \$0          | 0         |
| Private Seasonal | 688        | 0.000 Unk                   | 2/15/200     | 0           | ECP Not                                          | No Action                                                            | Medium                | 18"         | -          | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
| 60.0924          | 689        | 0.880 Kelly                 | Kelly        | Maintena    | Maintenance                                      | CulvDitch Relief                                                     | Maintenance           | N/A         | -          | 0 0          | 0           | 0        | 0          | 0         | \$0          | 0         |
| Private Seasonal | 689        | 0.000 Unk                   | 2/15/200     | 0           | ECP Not                                          | No Action                                                            | Medium                | 24"         | -          | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
| 60.0924          | 2836       | 0.900 Pehl                  | Pehl         | 08-086      | Belladonna                                       | CulvDitch Relief                                                     | THP App. Rd.          | N/A         |            | 0 0          | 0           | 0        | 0          | 0         | \$0          | 0         |
| Private Seasonal | 2836       | 0.000 R&S                   | 9/9/2010     |             | ECP Not                                          | Culv. Maintenance                                                    | THP Low               | -           | -          | 0            | 0           | 0        | 0          | 0         | \$0          | 0         |
| 1                | Existing   | 18" culvert. C              | lean inlet,  | otherwise l | leave "as is".                                   |                                                                      |                       |             |            |              |             |          |            |           |              |           |

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| Road #           | GIS#       | Mile Plan            | Final       | THP#       | THP Name                | Problem                   | Repair Type      | Cr. Class | s C   | RCs R | ock | Left D  | Exca. | Truck | Gra. | Cost    | Total Yds |
|------------------|------------|----------------------|-------------|------------|-------------------------|---------------------------|------------------|-----------|-------|-------|-----|---------|-------|-------|------|---------|-----------|
| Road Class       | ID#        | End Crew             | Done        | Rd Pt      | ECP Number              | Solution                  | Priority/Shedule | Old Dia   | New D | ia Ln |     | Right D | Cat   | Labor | Yds  | \$/FSD  | FSD Yds   |
| 60.0924          | 2835       | 0.940 Pehl           | Pehl        | 08-086     | Belladonna              | Surface Drainage          | THP App. Rd.     | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2835       | 0.000 R&S            | 9/9/2010    |            | ECP Not                 | Dip Rolling               | THP Low          | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
| ]                | [mprove    | existing dip by      | removing    | berms to w | viden relief and by fil | ling inside ditch above a | nd below dip.    |           |       |       |     |         |       |       |      |         |           |
| 60.0924          | 5529       | 1.000 Pehl           | Pehl        | 08-086     | Belladonna              | Surface Drainage          | Storm Proofing   | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 55        |
| Storm Proofed    | 5529       | 1.113 R&S            | 8/25/2010   | )          | ECP Not                 | Tip and Dip               | Medium           | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 55        |
|                  | Outslope   | d with spoils fi     | rom crossii | ng removal |                         |                           |                  |           |       |       |     |         |       |       |      |         |           |
| 60.0924          | 690        | 1.050 Kelly          | Kelly       | Maintena   | Maintenance             | CulvDitch Relief          | Maintenance      | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 690        | $0.000~\mathrm{Unk}$ | 2/15/2000   | )          | ECP Not                 | No Action                 | Medium           | 18"       | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0924          | 691        | 1.090 Kelly          | Kelly       | Maintena   | Maintenance             | CulvDitch Relief          | Maintenance      | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 691        | 0.000 Unk            | 2/15/2000   | )          | ECP Not                 | No Action                 | Medium           | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0924          | 692        | 1.110 Kelly          | Kelly       | Maintena   | Maintenance             | CulvDitch Relief          | Maintenance      | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 692        | $0.000~\mathrm{Unk}$ | 2/15/2000   | )          | ECP Not                 | No Action                 | Medium           | 18"       | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0924          | 693        | 1.150 Kelly          | Kelly       | Maintena   | Maintenance             | Culv.                     | Maintenance      | П         |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 693        | $0.000~\mathrm{Unk}$ | 2/15/2000   | )          | ECP Not                 | No Action                 | Medium           | 30"       | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.09243906      | 5827       | 0.000 Pehl           | Pehl        | Maintena   | Maintenance             | Surface Drainage          | Assessment       | N/A       |       | 0     | 0   | 0       | 6     | 0     | 0    | \$1,360 | 88        |
| Storm Proofed    | 5829       | 0.180 R&S            | 10/2/2012   | 2          | ECP Not                 | Tip and Dip               | Medium           | -         | -     | 0     |     | 0       | 4     | 5     | 0    | \$15    | 88        |
| •                | T&D and    | i block reservo      | ir road     |            |                         |                           |                  |           |       |       |     |         |       |       |      |         |           |
| 60.092472        | 5827       | 0.000 Pehl           | Pehl        | Maintena   | Maintenance             | Surface Drainage          | Assessment       | N/A       |       | 0     | 0   | 0       | 4     | 3     | 0    | \$1,423 | 73        |
| Storm Proofed    | 5827       | 0.150 R&S            | 10/2/2012   | 2          | ECP Not                 | Tip and Dip               | Medium           | -         | -     | 0     |     | 0       | 4     | 6     | 0    | \$19    | 73        |
|                  | Open and   | d drain road to      | office      |            |                         |                           |                  |           |       |       |     |         |       |       |      |         |           |
| 60.092495        | 5526       | 0.000 Pehl           | Pehl        | 08-086     | Belladonna              | Surface Drainage          | Storm Proofing   | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 47        |
| Abandoned Fixed  | 5526       | 0.096 R&S            | 8/25/2010   | )          | ECP Not                 | Tip and Dip               | Medium           | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 47        |
|                  | Outslope   | d with spoils fi     | rom crossii | ng removal |                         |                           |                  |           |       |       |     |         |       |       |      |         |           |
| 60.0926          | 1095       | 0.020 Alden          | Alden       | Maintena   | Maintenance             | No Problem                | Maintenance      | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1095       | 0.000 Unk            | 12/5/2000   | )          | ECP Not                 | Gate                      | Low              | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0929          | 2506       | 0.000 Fisher         | Pehl        | 05-023     | Clover                  | Surface Drainage          | THP Mitigation   | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 5         |
| Private Seasonal | 2506       | 0.250 R&S            | 10/2/2007   | 7          | 1B105023MEN             | Tip and Dip               | THP Low          | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Tip and o  | dip road to redu     | ice erosion | risk from  | trespassers.            |                           |                  |           |       |       |     |         |       |       |      |         |           |
| 60.0929          | 1094       | 0.020 Alden          | Alden       | Maintena   | Maintenance             | No Problem                | Maintenance      | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 1094       | 0.000 Unk            | 12/5/2000   | )          | ECP Not                 | Gate                      | Low              | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.0929          | 2622       | 0.150 Fisher         | Pehl        | 05-023     | Clover                  | Dip Critical              | THP Mitigation   | III       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2622       | 0.150 R&S            | 10/2/2007   | 7          | ECP Not                 | Dip Critical              | Medium           | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Install cr | itical dip.          |             |            |                         |                           |                  |           |       |       |     |         |       |       |      |         |           |
| 60.0929          | 2623       | 0.200 Fisher         | Pehl        | 05-023     | Clover                  | Dip Rolling               | THP Mitigation   | N/A       |       | 0     | 0   | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2623       | 0.200 R&S            | 10/2/2007   | 7          | ECP Not                 | Dip Rolling               | Medium           | -         | -     | 0     |     | 0       | 0     | 0     | 0    | \$0     | 0         |
| i                | install ro | lling dip.           |             |            |                         |                           |                  |           |       |       |     |         |       |       |      |         |           |

Thursday, November 9, 2023 Completed Road Work Page 26 of 70

| Road #                                                                           | GIS#                                                                                                                                                   | Mile Plan                                                                                                                                                                                                                                         | Final                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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Class                                                           | s D                                                 | RCs Rock                              | Left D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Exca.                            | Truck                         | Gra.                         | Cost                                                   | Total Yds                             |
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| Road Class                                                                       | ID#                                                                                                                                                    | End Crew                                                                                                                                                                                                                                          | Done                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                                                                                                                                                                                                                                                                   | Cat                              | Labor                         | Yds                          | \$/FSD                                                 | FSD Yds                               |
| 60.0929                                                                          | 6037                                                                                                                                                   | 0.220 Haschal                                                                                                                                                                                                                                     | k Borcich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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                                                                                                                | III                                                                 |                                                     | 0 0                                   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                                | 0                             | 0                            | \$1,650                                                | 433                                   |
| Private Seasonal                                                                 | 6037                                                                                                                                                   | 0.000 Unk                                                                                                                                                                                                                                         | 10/15/201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                                                                                                                       | GWDR 1-13-061 M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Culv. Replace                                                                                                                                                                                                                 | Medium                                                                                                                                                                                       | 36"                                                                 | 36"                                                 | 40                                    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                                | 0                             | 0                            | \$4                                                    | 433                                   |
|                                                                                  |                                                                                                                                                        |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 60.0929                                                                          | 5960                                                                                                                                                   | 0.250 Haschal                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                                                                | N/A                                                                 | seu mey n                                           | 0 0                                   | uge.<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| Private Seasonal                                                                 | 5960                                                                                                                                                   | 0.350 Unk                                                                                                                                                                                                                                         | 10/15/201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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|                                                                                  | Outslope                                                                                                                                               | and install roll                                                                                                                                                                                                                                  | ing dips as                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 60.0929                                                                          | 5953                                                                                                                                                   | 0.350 Haschal                                                                                                                                                                                                                                     | k Borcich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 13-061                                                                                                                  | Buttercup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Temp. Crossing                                                                                                                                                                                                                | THP App. Rd.                                                                                                                                                                                 | III                                                                 |                                                     | 0 0                                   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                                | 0                             | 0                            | \$0                                                    | 10                                    |
| Private Seasonal                                                                 | 5953                                                                                                                                                   | 0.000 Unk                                                                                                                                                                                                                                         | 10/15/201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                                                                                                                       | GWDR 1-13-061 M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Temp. 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|                                                                                  |                                                                                                                                                        | ill down to grad                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | mpletion o                                                                                                              | r prior to winter period                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | . Drain adjacent road                                                                                                                                                                                                         | either by outsloping o                                                                                                                                                                       | or draining                                                         | toward cro                                          | ssing. LTO                            | ) shall slasl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | n pack t                         | he                            |                              |                                                        |                                       |
| 60.0929                                                                          | 5954                                                                                                                                                   | 0.410 Haschal                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13-061                                                                                                                  | Buttercup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Temp. 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| Private Seasonal                                                                 | 5954                                                                                                                                                   | 0.000 Unk                                                                                                                                                                                                                                         | 10/15/201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                                                                                                                       | GWDR 1-13-061 M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Temp. 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|                                                                                  | of the roa<br>approach                                                                                                                                 | ad especially on<br>les to the watero                                                                                                                                                                                                             | the north                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | west side o                                                                                                             | r prior to winter period<br>f the crossing. LTO s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | hall slash pack the                                                                                                                                                                                                           |                                                                                                                                                                                              |                                                                     | m necessar                                          |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                  | •                             |                              |                                                        |                                       |
| 60.0929                                                                          | 5955                                                                                                                                                   | 0.430 Haschal                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                         | Buttercup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Temp. 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|                                                                                  |                                                                                                                                                        | 0.000 Unk  ill down to grad  les to the water                                                                                                                                                                                                     | le upon co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| 60.0929                                                                          | 5956                                                                                                                                                   | 0.500 Haschal                                                                                                                                                                                                                                     | k Borcich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 13-061                                                                                                                  | Buttercup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Temp. Crossing                                                                                                                                                                                                                | THP App. Rd.                                                                                                                                                                                 | III                                                                 |                                                     | 0 0                                   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                                | 0                             | 0                            | \$0                                                    | 10                                    |
| Private Seasonal                                                                 | 5956                                                                                                                                                   | 0.000 Unk                                                                                                                                                                                                                                         | 10/15/201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                                                                                                                       | GWDR 1-13-061 M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Temp. Crossing                                                                                                                                                                                                                | Medium                                                                                                                                                                                       | -                                                                   | -                                                   | 0                                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                                | 0                             | 0                            | \$0                                                    | 10                                    |
| rrivate Seasonal                                                                 | 3730                                                                                                                                                   |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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|                                                                                  | Pull all fi                                                                                                                                            | to the minimu                                                                                                                                                                                                                                     | m necessai                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ry thru this                                                                                                            | r prior to winter period<br>area because of the ran<br>xclusion zone flagging                                                                                                                                                                                                                                                                               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                                                                                                                | ecially on t                                                        | he northw                                           |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                                                                                                | ecially on t                                                        | he northw                                           |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                  |                               |                              |                                                        |                                       |
|                                                                                  | Pull all fi<br>widening<br>and south                                                                                                                   | to the minimum<br>neast side (mark<br>0.010 Haschal                                                                                                                                                                                               | m necessar<br>ced with ec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ry thru this<br>quipment e<br>13-061                                                                                    | area because of the ran<br>xclusion zone flagging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | re plants that are at the ). LTO shall slash pac                                                                                                                                                                              | edge of the road esp<br>k the approaches to the                                                                                                                                              | ecially on t<br>he waterco                                          | he northw                                           | est side of                           | the road. Tl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | nere are                         | also sor                      | me on th                     | ne northeas                                            | t side                                |
| 60.092971<br>Private Seasonal                                                    | Pull all fi<br>widening<br>and south<br>5961<br>5961<br>Install sp                                                                                     | to the minimum<br>neast side (mark<br>0.010 Haschal<br>0.000 Unk<br>oring drain (4" o                                                                                                                                                             | m necessar<br>ked with ex<br>k Boreich<br>10/15/201<br>or larger) if                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ry thru this<br>quipment e<br>13-061<br>.8<br>f wet at tim                                                              | area because of the range of th | re plants that are at the<br>). LTO shall slash pace<br>Temp. Crossing<br>Temp. Crossing                                                                                                                                      | edge of the road esp<br>k the approaches to the<br>THP App. Rd.<br>Medium                                                                                                                    | ecially on t<br>he watercon<br>Spr.<br>-                            | he northw                                           | est side of                           | the road. The object of the road of the ro | 0<br>0                           | o also son                    | ne on the                    | so<br>\$0<br>\$0                                       | 0<br>0                                |
| 60.092971<br>Private Seasonal<br>60.092971                                       | Pull all fi<br>widening<br>and south<br>5961<br>5961<br>Install sp<br>2507                                                                             | to the minimum<br>neast side (mark<br>0.010 Haschal<br>0.000 Unk<br>oring drain (4" o<br>0.100 Fisher                                                                                                                                             | m necessar<br>ked with ec<br>k Borcich<br>10/15/201<br>or larger) if<br>Pehl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ry thru this quipment e 13-061 8 f wet at tim 05-023                                                                    | area because of the range of th | re plants that are at the (). LTO shall slash pace Temp. Crossing Temp. Crossing Other                                                                                                                                        | edge of the road esp<br>k the approaches to the<br>THP App. Rd.<br>Medium                                                                                                                    | ecially on t<br>he waterco                                          | he northw                                           | 0 0<br>0 0                            | the road. The opening of the opening | 0<br>0<br>0                      | also sor                      | 0<br>0                       | so<br>\$0<br>\$0                                       | 0<br>0<br>0                           |
| 60.092971<br>Private Seasonal<br>60.092971<br>Private Seasonal                   | Pull all fi<br>widening<br>and south<br>5961<br>5961<br>Install sp<br>2507<br>2507                                                                     | to the minimum<br>neast side (mark<br>0.010 Haschal<br>0.000 Unk<br>ring drain (4" o<br>0.100 Fisher<br>0.310 Unk                                                                                                                                 | m necessar<br>ked with ex<br>ked Borcich<br>10/15/201<br>or larger) if<br>Pehl<br>10/2/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ry thru this quipment e 13-061 8 f wet at tim 05-023                                                                    | area because of the range of th | re plants that are at the (). LTO shall slash pace Temp. Crossing Temp. Crossing Other No Action                                                                                                                              | edge of the road esp<br>k the approaches to the<br>THP App. Rd.<br>Medium  THP Mitigation<br>THP Low                                                                                         | spr. N/A                                                            | he northw<br>urse.<br>-<br>-                        | 0 0<br>0 0                            | 0<br>0<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0<br>0<br>0                      | 0<br>0<br>0                   | 0<br>0<br>0                  | \$0<br>\$0<br>\$0<br>\$0                               | 0<br>0<br>0                           |
| 60.092971<br>Private Seasonal<br>60.092971<br>Private Seasonal                   | Pull all fi<br>widening<br>and south<br>5961<br>5961<br>Install sp<br>2507<br>2507                                                                     | to the minimum<br>neast side (mark<br>0.010 Haschal<br>0.000 Unk<br>ring drain (4" o<br>0.100 Fisher<br>0.310 Unk<br>road by not re-                                                                                                              | m necessar<br>ked with ex<br>ked Borcich<br>10/15/201<br>or larger) if<br>Pehl<br>10/2/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ry thru this quipment e 13-061 8 f wet at tim 05-023                                                                    | area because of the range of th | re plants that are at the (). LTO shall slash pace Temp. Crossing Temp. Crossing Other No Action                                                                                                                              | edge of the road esp<br>k the approaches to the<br>THP App. Rd.<br>Medium  THP Mitigation<br>THP Low                                                                                         | spr. N/A                                                            | he northw<br>urse.<br>-<br>-                        | 0 0<br>0 0                            | 0<br>0<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0<br>0<br>0                      | 0<br>0<br>0                   | 0<br>0<br>0                  | \$0<br>\$0<br>\$0<br>\$0                               | 0<br>0<br>0                           |
| 60.092971<br>Private Seasonal<br>60.092971<br>Private Seasonal                   | Pull all fi<br>widening<br>and south<br>5961<br>5961<br>Install sp<br>2507<br>2507<br>Abandon                                                          | to the minimum<br>neast side (mark<br>0.010 Haschal<br>0.000 Unk<br>ring drain (4" o<br>0.100 Fisher<br>0.310 Unk<br>road by not re-                                                                                                              | m necessar<br>ked with ec<br>k Boreich<br>10/15/201<br>or larger) if<br>Pehl<br>10/2/2007<br>opening the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ry thru this quipment e 13-061 8 f wet at tim 05-023                                                                    | area because of the range of th | re plants that are at the (). LTO shall slash pace Temp. Crossing Temp. Crossing Other No Action                                                                                                                              | edge of the road esp<br>k the approaches to the<br>THP App. Rd.<br>Medium  THP Mitigation<br>THP Low                                                                                         | spr. N/A                                                            | he northw<br>urse.<br>-<br>-                        | 0 0<br>0 0                            | 0<br>0<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0<br>0<br>0                      | 0<br>0<br>0                   | 0<br>0<br>0                  | \$0<br>\$0<br>\$0<br>\$0                               | 0<br>0<br>0                           |
| 60.092971<br>Private Seasonal<br>60.092971<br>Private Seasonal                   | Pull all fi<br>widening<br>and south<br>5961<br>5961<br>Install sp<br>2507<br>2507<br>Abandon<br>to fail ov                                            | to the minimum<br>neast side (mark<br>0.010 Haschal<br>0.000 Unk<br>ring drain (4" o<br>0.100 Fisher<br>0.310 Unk<br>road by not re-<br>er time.                                                                                                  | m necessar<br>ked with ec<br>k Boreich<br>10/15/201<br>or larger) if<br>Pehl<br>10/2/2007<br>opening the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ry thru this quipment e 13-061 8 f wet at tim 05-023 7 he road. R                                                       | area because of the rance in th | re plants that are at the (). LTO shall slash pace Temp. Crossing Temp. Crossing Other No Action ssings are failing. Roa Surface Drainage                                                                                     | edge of the road esp<br>k the approaches to the<br>THP App. Rd.<br>Medium  THP Mitigation<br>THP Low  d covered in 20-30 y                                                                   | Spr N/A - rear old repr                                             | he northw<br>urse.<br>-<br>-                        | 0 0 0 0 0 0 To re-oper                | the road. The state of the road would be road.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0<br>0<br>0<br>0<br>0<br>d cause | 0<br>0<br>0<br>0<br>e more di | 0<br>0<br>0<br>0             | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                 | 0<br>0<br>0<br>wing                   |
| 60.092971 Private Seasonal 60.092971 Private Seasonal 60.092971 Private Seasonal | Pull all fi<br>widening<br>and south<br>5961<br>5961<br>Install sp<br>2507<br>2507<br>Abandon<br>to fail ov<br>2507<br>5963<br>This sect<br>toward the | to the minimum<br>neast side (mark<br>0.010 Haschal<br>0.000 Unk<br>ring drain (4" of<br>0.100 Fisher<br>0.310 Unk<br>road by not re-<br>er time.<br>0.100 Haschal<br>0.150 Unk<br>tion of road is di-<br>te class III cross-<br>or place in a st | m necessar<br>ded with ecosomic before the cost of the c | ry thru this quipment e 13-061 8 f wet at tim 05-023 he road. R 13-061 8 ward a class vate the class on so that         | area because of the rance in th | re plants that are at the c). LTO shall slash pace Temp. Crossing Temp. Crossing Other No Action ssings are failing. Roa Surface Drainage Excavate Soil an instream landing the stable bottom location transported to a water | edge of the road esp<br>k the approaches to the<br>THP App. Rd.<br>Medium  THP Mitigation<br>THP Low d covered in 20-30 y  THP App. Rd. Medium at was never pulled. To a stable top location | spr.  N/A  ear old repr  III  The road its on. Slope tid shall be u | he northwurse.  - roduction self will be he banks b | O O O O O O O O O O O O O O O O O O O | 0 0 0 a road would 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0<br>0<br>0<br>0<br>d cause      | 0 0 0 e more di               | 0 0 istubance 0 0 0 stop the | \$0<br>\$0<br>\$0<br>\$0<br>ce than allo<br>\$0<br>\$0 | 0<br>0<br>0<br>0<br>wing<br>100<br>80 |
| 60.092971 Private Seasonal 60.092971 Private Seasonal 60.092971 Private Seasonal | Pull all fi<br>widening<br>and south<br>5961<br>5961<br>Install sp<br>2507<br>2507<br>Abandon<br>to fail ov<br>2507<br>5963<br>This sect<br>toward the | to the minimum<br>neast side (mark<br>0.010 Haschal<br>0.000 Unk<br>ring drain (4" of<br>0.100 Fisher<br>0.310 Unk<br>road by not re-<br>er time.<br>0.100 Haschal<br>0.150 Unk<br>tion of road is di-<br>te class III cross-<br>or place in a st | m necessar<br>sed with ecc<br>& Borcich<br>10/15/201<br>or larger) if<br>Pehl<br>10/2/2007<br>opening the<br>& Borcich<br>10/15/201<br>raining tove<br>sing. Exca<br>able locatilizing streat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ry thru this quipment e 13-061 8 f wet at tim 05-023 he road. R 13-061 8 ward a class vate the claim so that am and bar | area because of the rax xclusion zone flagging Buttercup ECP Not the of operations.  Clover 1B105023MEN coad fill prisms and cross Buttercup GWDR 1-13-061 M as III crossing that had as III crossing from a the material cannot be                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | re plants that are at the c). LTO shall slash pace Temp. Crossing Temp. Crossing Other No Action ssings are failing. Roa Surface Drainage Excavate Soil an instream landing the stable bottom location transported to a water | edge of the road esp<br>k the approaches to the<br>THP App. Rd.<br>Medium  THP Mitigation<br>THP Low d covered in 20-30 y  THP App. Rd. Medium at was never pulled. To a stable top location | spr.  N/A  ear old repr  III  The road its on. Slope tid shall be u | he northwurse.  - roduction self will be he banks b | O O O O O O O O O O O O O O O O O O O | 0 0 0 a road would 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0<br>0<br>0<br>0<br>d cause      | 0 0 0 e more di               | 0 0 istubance 0 0 0 stop the | \$0<br>\$0<br>\$0<br>\$0<br>ce than allo<br>\$0<br>\$0 | 0<br>0<br>0<br>0<br>wing<br>100<br>80 |

Thursday, November 9, 2023 Completed Road Work Page 27 of 70

| Road #                   | GIS#                              | Mile Plan                         | Final                                  | THP#                                       | THP Name                                                               | Problem                                                                                                      | Repair Type                                                                | Cr. Class               | s I                    | ORCs F             | Rock            | Left D                  | Exca               | . Truck                 | Gra.      | Cost                     | Total Yds      |
|--------------------------|-----------------------------------|-----------------------------------|----------------------------------------|--------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------|------------------------|--------------------|-----------------|-------------------------|--------------------|-------------------------|-----------|--------------------------|----------------|
| Road Class               | ID#                               | End Crew                          | / Done                                 | Rd Pt                                      | ECP Number                                                             | Solution                                                                                                     | Priority/Shedule                                                           | Old Dia                 | New D                  | ia Ln              |                 | Right D                 | Cat                | Labor                   | Yds       | \$/FSD                   | FSD Yds        |
| 60.28                    | 670                               | 0.025 Kelly                       | Kelly                                  | Maintena                                   | Maintenance                                                            | Temp. Crossing                                                                                               | Maintenance                                                                | I                       |                        | 0                  | 0               | 0                       | 4                  | 4                       | 0         | \$501                    | 0              |
| Private Seasonal         | 670                               | 0.000 Su                          | 6/22/200                               | 0                                          | ECP Not                                                                | Bridge - Temp                                                                                                | Important 1600                                                             | - 1                     | RRBr                   | 0                  |                 | 0                       | 5                  | 1                       | 0         | \$0                      | 0              |
|                          | down the<br>be remove<br>willows. | middle and ured no later that     | nbraided.<br>in 11/15 of<br>vegetation | Installation<br>feach year<br>will be dist | involves placing bro<br>and stored in the fore<br>turbed during bridge | e Green County Bridge)<br>we logs on both banks to<br>est off of the gravel bar,<br>installation. The active | o support the bridge ar<br>the brow logs are save<br>stream channel will n | nd minor greed and reus | rading to<br>sed as ne | make th<br>essary. | e surf<br>The r | ace suitab<br>near bank | le for l<br>vegeta | log truck<br>tion is re | traffic.  | The bridg<br>forest with | e will<br>some |
| 60.28                    | 670                               | 0.050 Hascha                      | ak Borcich                             | 15-042                                     | Dogwood                                                                | Bridge                                                                                                       | THP App. Rd.                                                               | I                       |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| Private Perm.            | 6253                              | 0.000 Unk                         | 10/15/20                               | 21                                         | ECP Not                                                                | Bridge - Temp                                                                                                | THP Med                                                                    | RRBr 1                  | RRBr                   | 0                  |                 | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
|                          |                                   | agreement (16<br>on of this bridg |                                        |                                            | or details of installation                                             | on.                                                                                                          |                                                                            |                         |                        |                    |                 |                         |                    |                         |           |                          |                |
| 60.3                     | 2673                              | 0.000 Pehl                        | Pehl                                   | 99-445                                     | Flats South                                                            | No Problem                                                                                                   | THP Maint Insp                                                             | N/A                     |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| Private Seasonal         | 2673                              | 3.300 Unk                         | 12/23/20                               | 05                                         | ECP Not                                                                | No Action                                                                                                    | No Action                                                                  | -                       | -                      | 0                  |                 | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
|                          | Winter I                          | spection. No                      | problems.                              |                                            |                                                                        |                                                                                                              |                                                                            |                         |                        |                    |                 |                         |                    |                         |           |                          |                |
| 60.3                     | 2709                              | 0.000 Pehl                        | Pehl                                   | 03-089                                     | Primrose                                                               | No Problem                                                                                                   | THP Maint Insp                                                             | N/A                     |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| Private Seasonal         | 2709                              | 0.500 Unk                         | 12/29/20                               | 05                                         | ECP Not                                                                | No Action                                                                                                    | No Action                                                                  | -                       | -                      | 0                  |                 | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
|                          | Cleared                           | Groshong Cree                     | k culvert i                            | nlet.                                      |                                                                        |                                                                                                              |                                                                            |                         |                        |                    |                 |                         |                    |                         |           |                          |                |
| 60.3                     | 2734                              | 0.000 Pehl                        | Pehl                                   | 03-075                                     | Franklins Tower                                                        | No Problem                                                                                                   | THP ECP                                                                    | N/A                     |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| Private Perm.            | 2734                              | 3.300 Unk                         | 1/6/2006                               |                                            | SPP                                                                    | No Action                                                                                                    | No Action                                                                  | -                       | -                      | 0                  |                 | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
|                          | Wet wea                           | ther inspection                   | l <b>.</b>                             |                                            |                                                                        |                                                                                                              |                                                                            |                         |                        |                    |                 |                         |                    |                         |           |                          |                |
| 60.3                     | 2735                              | 0.000 Pehl                        | Pehl                                   | 99-445                                     | Flats South                                                            | No Problem                                                                                                   | THP Maint Insp                                                             | N/A                     |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| Private Perm.            | 2735                              | 3.300 Unk                         | 1/6/2006                               |                                            | ECP Not                                                                | No Action                                                                                                    | No Action                                                                  | -                       | -                      | 0                  |                 | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
|                          |                                   | ther inspection                   |                                        |                                            |                                                                        |                                                                                                              |                                                                            |                         |                        |                    |                 |                         |                    |                         |           |                          |                |
| 60.3                     | 2739                              | 0.000 Pehl                        | Pehl                                   | 99-445                                     | Flats South                                                            | No Problem                                                                                                   | THP Maint Insp                                                             | N/A                     |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| Private Perm.            | 2739                              | 3.300 Unk                         | 1/9/2006                               |                                            | ECP Not                                                                | No Action                                                                                                    | No Action                                                                  | -                       | -                      | 0                  |                 | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
|                          |                                   |                                   |                                        |                                            | road passable.                                                         |                                                                                                              |                                                                            |                         |                        |                    |                 |                         |                    |                         |           |                          |                |
| 60.3                     | 5499                              |                                   |                                        |                                            | Maintenance                                                            | Other                                                                                                        | Maintenance                                                                | N/A                     |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| Private Seasonal         | 5499                              | 0.500 Unk                         | 8/25/200                               |                                            | ECP Not                                                                | Herbicides                                                                                                   | Medium                                                                     |                         | -                      | 0                  |                 | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| 60.3                     | 5465                              | 0.000 Hascha                      |                                        | 10-081                                     | Juniper                                                                | Other                                                                                                        | THP App. Rd.                                                               | II                      |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| Private Perm.            | 5465                              | 0.000 Unk                         | 10/22/20                               |                                            | ECP Not                                                                | Other                                                                                                        | Medium                                                                     | -                       | -                      | 0                  |                 | 0                       | 0                  | 0                       | 0         | \$0                      | 0              |
| (0.2                     |                                   |                                   |                                        | _                                          |                                                                        | between landing and wa                                                                                       |                                                                            | close of op             | erations               |                    |                 |                         |                    |                         |           |                          |                |
| 60.3<br>Private Seasonal | 2322<br>6903                      | 0.000 Susan<br>0.000 Unk          | 10/15/20                               | 19-197                                     | Hoodoo<br>ECP Not                                                      | No Problem                                                                                                   | THP App. Rd. THP Low                                                       | 1                       |                        | 0                  | 0               | 0                       | 0                  | 0                       | 0         | \$0<br>\$0               | 0              |
|                          |                                   |                                   |                                        |                                            |                                                                        | No Action                                                                                                    |                                                                            | -<br>:                  | -<br>                  | Ü                  | - ـ ـ ـ الـ     | •                       | •                  | Ü                       | Ü         | * -                      | U              |
|                          |                                   | watercourse c<br>nent required.   | rossing co                             | nsisting of                                | a sieei bridge spans (                                                 | Groshong Gulch at this l                                                                                     | ocation. The crossing                                                      | is properly             | / iunction             | ung and            | does            | not imped               | e nsn j            | passage                 | at any 11 | ie stage.                |                |
| 60.3                     | 1386                              | 0.100 Alden                       | Alden                                  | Maintena                                   | Maintenance                                                            | Surface Drainage                                                                                             | Storm Proofing                                                             | N/A                     |                        | 0                  | 0               | 0                       | 30                 | 14                      | 0         | \$5,738                  | 147            |
| Storm Proofed            | 1386                              | 0.400 ME                          | 3/15/200                               | 1                                          | ECP Not                                                                | Rock Surface                                                                                                 | Medium                                                                     | -                       | -                      | 0                  |                 | 0                       | 21                 | 0                       | 0         | \$39                     | 147            |
|                          | Clear and                         | 1 rock river roa                  | ad. Clean                              | rock pit.                                  |                                                                        |                                                                                                              |                                                                            |                         |                        |                    |                 |                         |                    |                         |           |                          |                |

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| Road #           | GIS#      | Mile Plan                        | Final       | THP#         | THP Name               | Problem                    | Repair Type           | Cr. Class    | ; [        | RCs Ro     | ck Left   | D     | Exca.   | Truck     | Gra.   | Cost        | Total Yds |
|------------------|-----------|----------------------------------|-------------|--------------|------------------------|----------------------------|-----------------------|--------------|------------|------------|-----------|-------|---------|-----------|--------|-------------|-----------|
| Road Class       | ID#       | End Crew                         | Done        | Rd Pt        | ECP Number             | Solution                   | Priority/Shedule      | Old Dia      | New D      | ia Ln      | Rig       | nt D  | Cat     | Labor     | Yds    | \$/FSD      | FSD Yds   |
| 60.3             | 1813      | 0.400 Alden                      | Alden       | Maintena     | Maintenance            | No Problem                 | Maintenance           | Hole         |            | 0          | 0         | 0     | 0       | 0         | 0      | \$0         | 0         |
| Water Rights     | 1813      | 0.000 Unk                        | 10/15/20    | 01           | ECP Not                | Water Hole                 | No Action             | -            | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
|                  | S018675   |                                  |             |              |                        |                            |                       |              |            |            |           |       |         |           |        |             |           |
|                  | _         | Hole- 1813 S0<br>truck loads per | •           |              | •                      | shong. The water is use    | d for logging dust ab | oatement. T  | here is n  | o electric | ty at the | site. | Usage   | is infre  | quent. | Estimates a | re base   |
| 60.3             | 2322      | 0.470 Pehl                       |             | Maintena     | Maintenance            | CulvPlug                   | Maintenance           | I            |            | 0          | 0         | 0     | 0       | 0         | 0      | \$380       | 0         |
| Private Perm.    | 2729      | $0.000~\mathrm{JHB}$             | 1/2/2006    |              | SPP                    | Culv. Maintenance          | High                  | 48"          | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
|                  | Culvert p | lugged and ero                   | ded fill    |              |                        |                            |                       |              |            |            |           |       |         |           |        |             |           |
|                  | Replace 1 | fill and armor i                 | nlet.       |              |                        |                            |                       |              |            |            |           |       |         |           |        |             |           |
| 60.3             | 2322      | 0.470 Hovlan                     | d Pehl      | 03-075       | Franklins Tower        | Culv.                      | THP Mitigation        | I            |            | 0          | 0         | 0     | 18      | 11        | 0      | \$2,800     | 0         |
| Private Perm.    | 2322      | 0.000 R&S                        | 10/13/20    | 06           | SPP                    | Bridge - Perm              | Medium                | 48" 11       | RRBr       | 0          |           | 0     | 16      | 15        | 0      | \$0         | 0         |
|                  | This is w | here the existir                 | ng perman   | ent road cre | osses Groshong Gulcl   | n, a Class I watercourse.  | Obtain 1600 permit    | t. Replace v | vith a bri | dge.       |           |       |         |           |        |             |           |
| 60.3             | 1897      | 0.500 Pehl                       | Pehl        | Maintena     | Maintenance            | Surface Drainage           | Maintenance           | N/A          |            | 0          | 0         | 0     | 0       | 0         | 0      | \$1,088     | 0         |
| Private Seasonal | 1897      | 2.500 BB                         | 2/15/2002   | 2            | ECP Not                | Other                      | High                  | -            | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
|                  | Improve   | road surface dr                  | ainage. Cl  | ean ditches  | and culvert inlets.    |                            |                       |              |            |            |           |       |         |           |        |             |           |
| 60.3             | 229       | 0.510 Heath                      | Kelly       | 99-282       | Bailey                 | Surface Drainage           | THP Not               | N/A          |            | 0          | 0         | 0     | 0       | 0         | 0      | \$0         | 0         |
| Private Perm.    | 229       | 0.000 Unk                        | 7/1/2000    |              | ECP Not                | Other                      | Medium                | 24"          | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
|                  |           |                                  |             |              |                        | t low spot at intersection |                       |              |            | -up berm   | to contai | n ove | rflow   | at edge o | of mdw | from .3015  | 501       |
|                  | _         |                                  |             |              |                        | ction to allow surface di  |                       |              | idge)      |            |           |       |         |           |        |             |           |
| 60.3             | 231       | 0.550 Heath                      | Kelly       | 99-282       | Bailey                 | Inside ditch               | THP Not               | N/A          |            |            | 0         | 0     | 0       | 0         | 0      | \$780       | 0         |
| Private Perm.    | 231       | 0.000 JHB                        | 2/3/2000    |              | ECP Not                | Ditch - Clean              | Medium                | -            | -          | 0          |           | 0     | 0       | 9         | 0      | \$0         | 0         |
|                  | • •       |                                  |             |              | cause the inside ditch | is full of sediments. Cle  | an inside ditch 175'  |              | ert.       |            |           |       |         |           |        |             |           |
| 60.3             | 1104      | 0.600 Alden                      |             | Maintena     | Maintenance            | No Problem                 | Maintenance           | N/A          |            | 0          | 0         | 0     | 0       | 0         | 0      | \$0         | 0         |
| Private Seasonal | 1104      | 0.000 Unk                        | 12/5/200    | 0            | ECP Not                | Gate                       | Low                   | -            | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
| 60.3             | 236       | 0.970 Heath                      | Kelly       | 99-282       | Bailey                 | Inside ditch               | THP Not               | N/A          |            |            | 0         | 0     | 0       | 0         | 0      | \$0         | 0         |
| Private Perm.    | 236       | 0.000 Unk                        | 7/1/2000    |              | ECP Not                | Ditch - Clean              | Medium                | -            | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
|                  | Clean ins | ide ditch 100'                   | to culvert. |              |                        |                            |                       |              |            |            |           |       |         |           |        |             |           |
| 60.3             | 238       | 1.070 Heath                      | Kelly       | 99-282       | Bailey                 | Inside ditch               | THP Not               | N/A          |            | 0          | 0         | 0     | 0       | 0         | 0      | \$0         | 0         |
| Private Perm.    | 238       | 0.000 Unk                        | 7/1/2000    |              | ECP Not                | Ditch - Clean              | Medium                | -            | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
|                  | Clean-ou  | t ditch 150' to                  | culvert.    |              |                        |                            |                       |              |            |            |           |       |         |           |        |             |           |
| 60.3             | 239       | 1.110 Heath                      | Kelly       | 99-282       | Bailey                 | Culv.                      | THP Not               | III          |            | 0          | 0         | 0     | 0       | 0         | 0      | \$0         | 0         |
| Private Perm.    | 239       | 0.000 Unk                        | 7/1/2000    |              | ECP Not                | Culv. Maintenance          | Medium                | -            | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
|                  | Repair in | let to existing                  | pipe. Clea  | n ditch 50   |                        |                            |                       |              |            |            |           |       |         |           |        |             |           |
| 60.3             | 243       | 1.420 Hascha                     | k Borcich   | 15-042       | Dogwood                | Other                      | THP App. Rd.          | II           |            | 0          | 0         | 0     | 0       | 0         | 0      | \$0         | 0         |
| Private Perm.    | 6055      | 0.000 Unk                        | 10/15/202   | 21           | ECP Not                | No Action                  | THP Low               | -            | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
|                  | Existing  | rocked ford on                   | a class II  | watercours   | e. Dip out channel 6"  | to 1' and mound materia    | l on both sides of ro | ad at close  | of operat  | ions to ma | ke sure v | vater | stays i | n chann   | el.    |             |           |
| 60.3             | 243       | 1.420 Weaver                     | Borcich     | 20-00003     | Vista                  | No Problem                 | THP App. Rd.          | II           |            | 0          | 0         | 0     | 0       | 0         | 0      | \$0         | 0         |
| Private Seasonal | 6899      | 0.000 Unk                        | 10/15/202   | 23           | ECP Not                | Other                      | THP Low               | _            | -          | 0          |           | 0     | 0       | 0         | 0      | \$0         | 0         |
| riivate Seasonai | 00,7      |                                  |             |              |                        |                            |                       |              |            |            |           |       |         |           |        |             |           |

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| Road #           | GIS#      | Mile Plan                             | Final      | THP#        | THP Name               | Problem                  | Repair Type            | Cr. Clas    | ss            | DRCs F        | Rock   | Left D     | Exca      | Truck    | Gra.     | Cost           | Total Yds |
|------------------|-----------|---------------------------------------|------------|-------------|------------------------|--------------------------|------------------------|-------------|---------------|---------------|--------|------------|-----------|----------|----------|----------------|-----------|
| Road Class       | ID#       | End Crew                              |            | Rd Pt       | ECP Number             | Solution                 | Priority/Shedule       |             |               |               | .0010  | Right D    | Cat       |          |          | \$/FSD         | FSD Yds   |
|                  |           |                                       |            |             |                        |                          |                        |             | 11011         | 0             | 0      |            | 0         | 0        |          |                |           |
| 60.3             | 243       | 1.450 Heath                           |            | Maintena    | Maintenance            | Surface Drainage         | THP Not                | N/A         |               |               | U      | 0          |           |          | 0        | \$0            | 0         |
| Private Perm.    | 243       | 0.000 Unk                             | 11/8/202   |             | ECP Not                | Rock Surface             | Medium                 | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
| -                |           | •                                     |            | •           | distance of 30 feet.   | C.C.D.:                  | No. 1                  | τ.          |               | 0             | 0      | 0          | 2         | 0        | 0        | 0.00           |           |
| 60.3             | 2058      | 1.700 Pehl                            |            | Maintena    | Maintenance            | Surface Drainage         | Maintenance            | I           |               | 0             | 0      | 0          | 3         | 0        | 0        | \$600          | 0         |
| Private Seasonal | 2058      | 0.000 ME                              | 8/30/200   |             | ECP Not                | Rock Surface             | Medium                 | RRBr        | -             | 0             |        | 0          | 3         | 0        | 0        | \$0            | 0         |
|                  |           |                                       |            |             |                        | ge to reduce sediment d  |                        | T .         |               | 0             | 70     | 0          | 40        | 20       | 0        | <b>025 700</b> |           |
| 60.3             | 2058      | 1.700 Alden                           | Alden      | 271 Pep     | Pep P0530407           | Bridge                   | Storm Proofing         | I           | E D           | 0             | 70     | 0          | 49        | 38       | 0        | \$35,788       | 0         |
| Private Seasonal | 2337      | 0.000 R&S                             | 8/1/2008   |             | ECP Not                | Bridge - Perm            | Medium                 | RRBr        | _             | 40            |        | 0          | 45        | 35       | 0        | \$0            | 0         |
|                  |           | bridge with nev<br>lost of his life i | _          |             |                        | nents. Henry Alden gav   | e Vic Spurgeon perm    | ission to p | lace a no     | omument       | to his | wife Jan's | s late fa | ither Wa | irren St | orts. Warrei   | 1         |
| 60.3011          | 2723      | 0.000 Pehl                            | Pehl       | 99-087      | Groshong Ridge         | No Problem               | THP Maint Insp         | N/A         |               | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 0         |
| Private Seasonal | 2723      | 0.800 Unk                             | 1/4/2006   |             | ECP Not                | No Action                | No Action              | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
|                  | Winter I  | nspection. Cul                        | verts okay | <b>.</b>    |                        |                          |                        |             |               |               |        |            |           |          |          |                |           |
| 60.3011          | 2722      | 0.000 Pehl                            | Pehl       | 03-089      | Primrose               | No Problem               | THP Maint Insp         | N/A         |               | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 0         |
| Private Seasonal | 2722      | 0.800 Unk                             | 1/4/2006   |             | ECP Not                | No Action                | No Action              | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
|                  | Winter I  | nspection. Cul                        | verts okay | <i>'</i> .  |                        |                          |                        |             |               |               |        |            |           |          |          |                |           |
| 60.3011          | 1102      | 0.040 Alden                           | Alden      | Maintena    | Maintenance            | No Problem               | Maintenance            | N/A         |               | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 0         |
| Private Seasonal | 1102      | 0.000 Unk                             | 12/5/200   | 0           | ECP Not                | Gate                     | Low                    | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
| 60.3011          | 5488      | 0.420 Alden                           | Alden      | Maintena    | Maintenance            | No Problem               | Maintenance            | II          |               | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 0         |
| Water Rights     | 5488      | 0.000 Unk                             | 6/1/1980   |             | ECP Not                | Water Hole               | Annual Water Use       | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
|                  | S019006   | 146447                                |            |             |                        |                          |                        |             |               |               |        |            |           |          |          |                |           |
|                  | Red Dog   | 2-5488 S0190                          | 06 Illegal | upper water | r souce for neighbor,  | Stillman. The water is   | for domestic use. Th   | ere is no   | electricit    | y at the si   | ite.   |            |           |          |          |                |           |
| 60.3011          | 5486      | 0.500 Alden                           | Alden      | Maintena    | Maintenance            | No Problem               | Maintenance            | II          |               | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 0         |
| Water Rights     | 5486      | 0.000 Unk                             | 6/1/1980   |             | ECP Not                | Water Hole               | Annual Water Use       | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
|                  | S019012   | 210388                                |            |             |                        |                          |                        |             |               |               |        |            |           |          |          |                |           |
|                  | Red Dog   | 1-5486 S0190                          | 12 Illegal | lower water | r souce for neighbor l | Rich Fesler. The water   | is for domestic use. 7 | There is no | electric      | ity at the    | site.  |            |           |          |          |                |           |
| 60.3011          | 2725      | 1.000 Pehl                            | Pehl       | 99-087      | Groshong Ridge         | No Problem               | THP Maint Insp         | N/A         |               | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 0         |
| Private Seasonal | 2725      | 2.900 Unk                             | 1/4/2006   |             | ECP Not                | No Action                | No Action              | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
|                  | Winter I  | nspection. Cul                        | verts okay | ·.          |                        |                          |                        |             |               |               |        |            |           |          |          |                |           |
| 60.301107        | 2726      | 0.000 Pehl                            | Pehl       | 99-087      | Groshong Ridge         | No Problem               | THP Maint Insp         | N/A         |               | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 0         |
| Private Seasonal | 2726      | 0.200 Unk                             | 1/4/2006   |             | ECP Not                | No Action                | No Action              | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
|                  | Winter I  | nspection. Cul                        | verts okay | <b>'.</b>   |                        |                          |                        |             |               |               |        |            |           |          |          |                |           |
| 60.301107        | 5487      | 0.100 Alden                           | Alden      | Maintena    | Maintenance            | No Problem               | Maintenance            | II          |               | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 0         |
| Water Rights     | 5487      | 0.000 Unk                             | 6/1/1980   |             | ECP Not                | Water Hole               | Annual Water Use       | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 0         |
|                  | S019009   | 297927                                |            |             |                        |                          |                        |             |               |               |        |            |           |          |          |                |           |
|                  | Illegal w | ater souce for 1                      | neighbor,  | Stillman. T | he water is for domes  | tic use. There is no ele | ectricity at the site. |             |               |               |        |            |           |          |          |                |           |
| 60.30111         | 2418      | 0.000 Pehl                            | Pehl       | Storm Pro   | Storm Proofing         | Surface Drainage         | Storm Proofing         | N/A         | -             | 0             | 0      | 0          | 0         | 0        | 0        | \$0            | 758       |
| Storm Proofed    | 2418      | 1.550 AL                              | 8/3/2004   |             | ECP Not                | Tip and Dip              | Medium                 | -           | -             | 0             |        | 0          | 0         | 0        | 0        | \$0            | 758       |
|                  |           |                                       |            |             |                        | rip and Dip              |                        | ity for fut | -<br>ure road | ∪<br>maintena | nce.   | U          | U         | U        | U        | 20             | /3        |

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| Road #           | GIS#                    | Mile Plan                         | Final                  | THP#                       | THP Name                                                           | Problem                               | Repair Type           | Cr. Class    |         | DRCs       | Rock     | Left D     | Exca    | Truck    | Gra       | Cost           | Total Yds |
|------------------|-------------------------|-----------------------------------|------------------------|----------------------------|--------------------------------------------------------------------|---------------------------------------|-----------------------|--------------|---------|------------|----------|------------|---------|----------|-----------|----------------|-----------|
| Road Class       | ID#                     | End Crew                          | Done                   |                            | ECP Number                                                         | Solution                              | Priority/Shedule      |              |         |            | rtook    | Right D    |         | Labor    |           | \$/FSD         | FSD Yds   |
|                  |                         |                                   |                        |                            |                                                                    |                                       |                       |              | NOWL    |            |          |            |         |          |           |                |           |
| 60.30111         | 2721                    | 0.000 Pehl                        | Pehl                   | 03-089                     | Primrose                                                           | No Problem                            | THP Maint Insp        | N/A          |         | 0          | 0        | 0          | 0       | 0        | 0         | \$0            | 0         |
| Private Seasonal | 2721                    |                                   | 1/4/2006               |                            | ECP Not                                                            | No Action                             | No Action             | -            | -       | 0          |          | 0          | 0       | 0        | 0         | \$0            | 0         |
|                  |                         | •                                 | erts okay              | . Several b                | ank slumps around (                                                |                                       |                       |              |         |            |          |            |         |          |           |                |           |
| 60.30111         | 2968                    | 0.000 Pehl                        | Pehl                   | Maintena                   |                                                                    | Cut Bank Failure                      | Maintenance           | N/A          |         | 0          | 0        | 0          | 7       | 0        | 0         | \$850          | 0         |
| Private Seasonal | 2968                    |                                   | 6/3/2006               |                            | ECP Not                                                            | Excavate Soil                         | Medium                | -            | -       | 0          |          | 0          | 8       | 1        | 0         | \$0            | 0         |
|                  |                         | lumps and wind                    |                        |                            |                                                                    |                                       |                       |              |         |            |          |            |         |          |           |                |           |
| 60.30111         | 2206                    | 0.250 Haschak                     | Pehl                   | 03-089                     | Primrose                                                           | Culv.                                 | THP App. Rd.          | II           |         | 0          | 40       | 0          | 60      | 40       | 0         | \$12,800       | 1,600     |
| Private Seasonal | 2206                    | 0.000 AL                          | 7/27/200               | 4                          | ECP Not                                                            | Culv. Replace                         | Medium                | 48"          | 72"     | 60         |          | 0          | 60      | 20       | 1,600     | \$10           | 1,280     |
|                  | Replace o               | ulvert with 72"                   | pipe afte              | r excavatin                | lass II watercourse.<br>g channel from "top<br>ee sketch on THP pa | " to "bottom" and pulling age 32.4    | back instream landin  | ng to stable | repose. | All mat    | erials o | excavated  | will be | remov    | ed to a s | table location | on.       |
| 60.30111         | 2206                    | 0.250 Pehl                        | Pehl                   | Maintena                   | Maintenance                                                        | Culv.                                 | Storm Proofing        | II           |         | 0          | 20       | 0          | 5       | 10       | 0         | \$6,375        | 20        |
| Private Seasonal | 4693                    | 0.000 R&S                         | 8/11/200               | 8                          | ECP Not                                                            | Culv. Maintenance                     | Medium                | 72"          | 72"     | 60         |          | 0          | 0       | 2        | 0         | \$319          | 20        |
|                  | Replace of              | ulvert with 72"<br>d and mulch to | pipe afte<br>item 18 s | r excavatin<br>tandards. S | lass II watercourse.<br>g channel from "top<br>ee sketch on THP pa | " to "bottom" and pulling<br>age 32.4 |                       |              | repose. |            |          |            |         |          |           |                |           |
| 60.30111         | 2207                    | 0.320 Haschak                     | Pehl                   | 03-089                     | Primrose                                                           | Culv.                                 | THP App. Rd.          | III          |         | 0          | 0        | 0          | 0       | 0        | 0         | \$0            | 0         |
| Private Seasonal | 2207                    |                                   | 7/27/200               |                            | ECP Not                                                            | Culv. Replace                         | Medium                | 18"          | 36"     | 0          |          | 0          | 0       | 0        | 0         | \$0            | 0         |
|                  | 18 inch s               | notgunned culve                   | ert on cla             | ss III water               | course. Remove exis                                                | sting culvert and install 3           | 6 culvert at grade of | creek botto  | m. Inst | all critic | al dip   | downslop   | e from  | culvert. |           |                |           |
| 60.30111         | 2208                    | 0.350 Haschak                     | Pehl                   | 03-089                     | Primrose                                                           | Slide - Shallow                       | THP App. Rd.          | N/A          |         | 0          | 0        | 0          | 0       | 0        | 0         | \$0            | 0         |
| Private Seasonal | 2208                    | 0.000 AL                          | 7/27/200               | 4                          | ECP Not                                                            | Other                                 | Medium                | -            | -       | 0          |          | 0          | 0       | 0        | 0         | \$0            | 0         |
|                  |                         |                                   |                        | high point                 | at center line of fail                                             | ure so as to ensure draina            | ge away from slide f  | face. The cu | tbank f | ailure de  | bris sh  | all be ran | nped ov | er to m  | inimize   | excavation     | into      |
| 60.30111         | 2096                    | 0.550 Haschak                     | Pehl                   | 03-089                     | Primrose                                                           | No Problem                            | THP Mitigation        | III          |         | 0          | 0        | 0          | 0       | 0        | 0         | \$0            | 0         |
| Private Seasonal | 2096                    | 0.000 AL                          | 8/15/200               | 4                          | ECP Not                                                            | Dip Rolling                           | Medium                | -            | -       | 0          |          | 0          | 0       | 0        | 0         | \$0            | 0         |
|                  | maintain                | rolling dip                       |                        |                            |                                                                    |                                       |                       |              |         |            |          |            |         |          |           |                |           |
| 60.30111         | 2097                    | 0.630 Haschak                     | Pehl                   | 03-089                     | Primrose                                                           | Cut Bank Failure                      | THP Mitigation        | N/A          |         | 0          | 0        | 0          | 0       | 0        | 0         | \$0            | 0         |
| Private Seasonal | 2097                    | 0.000 AL                          | 8/15/200               | 4                          | ECP Not                                                            | Excavate Soil                         | Medium                | -            | -       | 0          |          | 0          | 0       | 0        | 0         | \$0            | 0         |
|                  | Arch over<br>the cutbar |                                   | ure. Keep              | high point                 | at center line of fail                                             | ure so as to ensure draina            | ge away from slide f  | face. The cu | tbank f | ailure de  | bris sh  | all be ran | nped ov | er to m  | inimize   | excavation     | into      |
| 60.30111         | 5914                    | 0.740 Haschak                     | Pehl                   | 03-089                     | Primrose                                                           | Temp. Crossing                        | THP Mitigation        | III          |         | 0          | 0        | 0          | 0       | 0        | 0         | \$552          | 0         |
| Private Seasonal | 5914                    | 0.000 AL                          | 8/15/200               | 4                          | ECP Not                                                            | Armored Ford                          | THP Low               | -            | 24"     | 30         |          | 0          | 0       | 0        | 0         | \$0            | 0         |
|                  | Install a r             | ocked dip with                    | predomir               | nately 12"+                | rock and rock outfa                                                | all prior to completion of            | operations.           |              |         |            |          |            |         |          |           |                |           |
| 60.30111         | 5915                    | 0.770 Haschak                     |                        | 03-089                     | Primrose                                                           | Temp. Crossing                        | THP Mitigation        | III          |         | 0          | 0        | 0          | 0       | 0        | 0         | \$0            | 0         |
| Private Seasonal | 5915                    | 0.000 AL                          | 8/15/200               | 4                          | ECP Not                                                            | Armored Ford                          | THP Low               | -            | -       | 30         |          | 0          | 0       | 0        | 0         | \$0            | 0         |
|                  | Install a r             | ocked dip with                    | predomir               | nately 12"+                | rock and rock outfa                                                | all prior to completion of            | operations.           |              |         |            |          |            |         |          |           |                |           |
| 60.30111         | 2098                    | 0.770 Haschak                     | Pehl                   | 03-089                     | Primrose                                                           | Temp. Crossing                        | THP Mitigation        | III          |         | 0          | 0        | 0          | 0       | 0        | 0         | \$0            | 0         |
|                  |                         |                                   |                        |                            |                                                                    |                                       |                       |              |         |            |          |            |         |          |           |                |           |
| Private Seasonal | 2098                    | 0.000 AL                          | 8/15/200               | 4                          | ECP Not                                                            | Armored Ford                          | THP Low               | -            | -       | 30         |          | 0          | 0       | 0        | 0         | \$0            | 0         |

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| Road #           | GIS#       | Mile Plan         | Final       | THP#         | THP Name               | Problem                   | Repair Type           | Cr. Class           | s DF        | RCs Roo | k Left D | Exca      | . Truck    | Gra.     | Cost            | Total Yds |
|------------------|------------|-------------------|-------------|--------------|------------------------|---------------------------|-----------------------|---------------------|-------------|---------|----------|-----------|------------|----------|-----------------|-----------|
| Road Class       | ID#        | End Crew          | Done        | Rd Pt        | ECP Number             | Solution                  | Priority/Shedule      | Old Dia             | New Dia     | ı Ln    | Right D  | Cat       | Labor      | Yds      | \$/FSD          | FSD Yds   |
| 60.30111         | 2095       | 0.850 Hascha      | k Pehl      | 03-089       | Primrose               | Temp. Crossing            | THP Mitigation        | III                 |             | 0 (     | 0        | 0         | 0          | 0        | \$184           | 0         |
| Private Seasonal | 2095       | 0.000 AL          | 8/15/2004   | 4            | ECP Not                | Dip Critical              | Low                   | 18"                 | 24"         | 10      | 0        | 0         | 0          | 0        | \$0             | 0         |
|                  |            |                   |             |              |                        | emporary watercourse of   |                       |                     |             |         |          |           |            |          |                 | t all     |
| 60.30111         | 2095       | 0.850 Hascha      |             | 11-043       | Rose                   | rossing and straw at co   | THP App. Rd.          | maintain a i<br>III | ocked crit  | () (    |          | of the co | ulvert or  | the ma   | in road.<br>\$0 | 0         |
| Private Seasonal | 5595       | 0.000 Unk         | 10/17/20    |              | ECP Not                | Temp. Crossing            | Medium                | -                   | _           | 0       | 0        | 0         | 0          | 0        | \$0<br>\$0      | 0         |
|                  |            |                   |             |              |                        | emporary watercourse of   |                       | et (a laver         | of etraw ch | Ü       |          | 0         | l prior to | v        | * -             |           |
|                  |            |                   |             |              |                        | rossing and straw at co   |                       |                     |             |         |          |           |            |          |                 |           |
|                  | alternativ | e a pipe extens   | sion can be | placed on    | the upper end of the   | xisting pipe and left in  | place after operation | s.                  |             |         |          |           |            |          |                 |           |
| 60.30111         | 2102       | 1.000 Hascha      | k Pehl      | 03-089       | Primrose               | Surface Drainage          | THP App. Rd.          | N/A                 |             | 0 (     | 0        | 0         | 0          | 0        | \$0             | 0         |
| Private Seasonal | 2102       | 1.850 AL          | 8/15/2004   | 4            | ECP Not                | Waterbar                  | THP Low               | -                   | -           | 0       | 0        | 0         | 0          | 0        | \$0             | 0         |
|                  |            |                   |             |              |                        | erm and outslope where    |                       |                     |             |         |          |           |            |          |                 |           |
|                  |            |                   |             |              |                        | end of this road segmen   |                       |                     |             |         |          | l with "  | end of re  | oad poin | t #9" a larg    | е         |
|                  |            |                   | _ `         | •            |                        | nsure that water drained  |                       |                     | o landing   |         |          | 0         | 0          | -        | 0.0             |           |
| 60.30111         | 2099       | 1.100 Hascha      |             | 03-089       | Primrose               | Surface Drainage          | THP Mitigation        | N/A                 |             | 0 (     | •        | 0         | 0          | 0        | \$0             | 0         |
| Private Seasonal | 2099       | 1.090 AL          | 8/15/2004   |              | ECP Not                | Rock Surface              | Medium                | -                   | -           | 0       | 0        | 0         | 0          | 0        | \$0             | 0         |
|                  |            |                   |             |              | -                      | ater coming down road     |                       |                     | esn't flow  |         |          |           |            |          |                 |           |
| 60.30111         | 5989       | 1.550 Alden       |             | Maintena     | Maintenance            | No Problem                | Maintenance           | N/A                 |             | 0 (     | -        | 0         | 0          | 0        | \$0             | 0         |
| Private Seasonal | 5989       | 0.000 Unk         | 6/1/1991    |              | ECP Not                | No Action                 | No Action             | -                   | -           | 0       | 0        | 0         | 0          | 0        | \$0             | 0         |
|                  |            | d Radio Repea     |             |              |                        |                           |                       |                     |             |         |          |           |            |          |                 |           |
| 60.30111015      | 4400       | 0.000 Alden       | Alden       |              | Groshong Prop 50       | Surface Drainage          | Assessment            | N/A                 |             | 0 (     |          | 14        | 0          | 0        | \$4,165         | 196       |
| Storm Proofed    | 4400       | 0.400 R&S         | 8/17/2009   | 9            | ECP Not                | Tip and Dip               | Medium                | -                   | -           | 0       | 0        | 14        | 0          | 0        | \$21            | 196       |
|                  | Tip and I  | -                 |             |              |                        |                           |                       |                     |             |         |          |           |            |          |                 |           |
| 60.30111015      | 4410       | 0.100 Alden       | Alden       | 50 Gro       | Groshong Prop 50       | Humboldt                  | Storm Proofing        | III                 |             | 0 10    |          | 5         | 6          | 0        | \$2,606         | 50        |
| Storm Proofed    | 4410       | 0.000 R&S         | 8/14/2009   | 9            | ECP Not                | Armored Ford              | Medium                | -                   | -           | 0       | 0        | 5         | 8          | 100      | \$52            | 50        |
|                  | Low grad   | lient Class III r | uns down t  | the road.    |                        |                           |                       |                     |             |         |          |           |            |          |                 |           |
|                  | Establish  | rock armored      | dips at the | old crossir  | ng and the new crossin | ıg.                       |                       |                     |             |         |          |           |            |          |                 |           |
| 60.30111015      | 4410       | 0.100 Hascha      | k Pehl      | 11-043       | Rose                   | No Problem                | THP App. Rd.          | III                 |             | 0 (     | 0        | 0         | 0          | 0        | \$0             | 0         |
| Private Seasonal | 5611       | 0.000 Unk         | 10/17/20    | 14           | ECP Not                | No Action                 | No Action             | -                   | -           | 0       | 0        | 0         | 0          | 0        | \$0             | 0         |
|                  | Existing   | armored ford.     | Do not gra  | de road acr  | oss this crossing.     |                           |                       |                     |             |         |          |           |            |          |                 |           |
| 60.30111015      | 4408       | 0.280 Alden       | Alden       | 50 Gro       | Groshong Prop 50       | Slide - Shallow           | Storm Proofing        | N/A                 |             | 0 (     | 0        | 0         | 0          | 0        | \$0             | 0         |
| Storm Proofed    | 4408       | 0.000 R&S         | 8/14/2009   | 9            | ECP Not                | Other                     | Low                   | -                   | -           | 0       | 0        | 0         | 0          | 200      | \$0             | 0         |
|                  | A small l  | andslide started  | d above the | cut bank a   | nd crossed the road. I | t does not appear to have | e delivered.          |                     |             |         |          |           |            |          |                 |           |
|                  | Ramp ov    | er and inslope    | to keep wa  | ter off the  | slide.                 |                           |                       |                     |             |         |          |           |            |          |                 |           |
| 60.30111015      | 5351       | 0.340 Alden       | Alden       | Maintena     | Maintenance            | No Problem                | Assessment            | N/A                 |             | 0 (     | 0        | 0         | 0          | 0        | \$0             | 0         |
| Private Seasonal | 5351       | 0.000 R&S         | 8/17/2009   | 9            | ECP Not                | Rock Pit                  | No Action             | -                   | -           | 0       | 0        | 0         | 0          | 0        | \$0             | 0         |
|                  | This coul  | d be a very go    | od source   | of rip rap a | nd road base.          |                           |                       |                     |             |         |          |           |            |          |                 |           |
| 60.30111015      | 4407       | 0.400 Alden       | Alden       | 50 Gro       | Groshong Prop 50       | Humboldt                  | Storm Proofing        | III                 |             | 0 (     | 0        | 1         | 0          | 0        | \$298           | 100       |
| Deactivated      | 4407       | 0.000 R&S         | 8/13/2009   | 9            | ECP Not                | Remove Crossing           | Medium                | -                   | -           | 0       | 0        | 1         | 0          | 100      | \$3             | 100       |
|                  | Very sam   | ill class III     |             |              |                        |                           |                       |                     |             |         |          |           |            |          |                 |           |
|                  | Dia out a  | rossing spoil l   | ncally      |              |                        |                           |                       |                     |             |         |          |           |            |          |                 |           |

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| Road #           | GIS#                     | Mile Plan       | Final        | THP#          | THP Name              | Problem                    | Repair Type        | Cr. Class     | ;         | DRCs      | Rock   | Left D    | Exca.  | Truck   | Gra.     | Cost       | Total Yds |
|------------------|--------------------------|-----------------|--------------|---------------|-----------------------|----------------------------|--------------------|---------------|-----------|-----------|--------|-----------|--------|---------|----------|------------|-----------|
| Road Class       | ID#                      | End Crew        | Done         | Rd Pt         | ECP Number            | Solution                   | Priority/Shedule   | Old Dia       | New I     | Dia Ln    |        | Right D   | Cat    | Labo    | Yds      | \$/FSD     | FSD Yds   |
| 60.30111015      | 4401                     | 0.400 Alden     | Alden        | 50 Gro        | Groshong Prop 50      | Surface Drainage           | Assessment         | N/A           |           | 0         | 0      | 0         | 14     | 0       | 0        | \$4,165    | 122       |
| Deactivated      | 4401                     | 0.650 R&S       | 8/17/200     | )9            | ECP Not               | Tip and Dip                | Medium             | -             | -         | 0         |        | 0         | 14     | 0       | 0        | \$34       | 122       |
|                  | Tip and I                | Dip             |              |               |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
| 60.30111015      | 4406                     | 0.430 Alden     | Alden        | 50 Gro        | Groshong Prop 50      | Humboldt                   | Storm Proofing     | III           |           | 0         | 0      | 0         | 2      | 1       | 0        | \$927      | 350       |
| Deactivated      | 4406                     | 0.000 R&S       | 8/13/200     | )9            | ECP Not               | Remove Crossing            | Medium             | -             | Pull      | 0         |        | 0         | 2      | 4       | 400      | \$3        | 350       |
|                  | Class III                |                 |              |               |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
|                  | Dig out c                | rossing spoil l | ocally       |               |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
| 60.30111015      | 4405                     | 0.540 Alden     | Alden        | 50 Gro        | Groshong Prop 50      | Humboldt                   | Storm Proofing     | III           |           | 0         | 0      | 0         | 3      | 0       | 0        | \$1,436    | 300       |
| Deactivated      | 4405                     | 0.000 R&S       | 8/14/200     | )9            | ECP Not               | Remove Crossing            | Medium             | -             | Pull      | 0         |        | 0         | 5      | 7       | 300      | \$5        | 300       |
|                  | Class III                |                 |              |               |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
|                  | Dig out c                | rossing spoil l | ocally       |               |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
| 60.30111015      | 4404                     | 0.580 Alden     | Alden        | 50 Gro        | Groshong Prop 50      | Humboldt                   | Storm Proofing     | III           |           | 0         | 0      | 0         | 5      | 0       | 0        | \$1,786    | 150       |
| Deactivated      | 4404                     | 0.000 R&S       | 8/13/200     | )9            | ECP Not               | Remove Crossing            | Medium             | -             | -         | 0         |        | 0         | 6      | 3       | 150      | \$12       | 150       |
|                  | Skid trail               | Class III       |              |               |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
|                  | Dig out c                |                 |              |               |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
| 60.30111015      | 5338                     | 0.650 Alden     | Alden        |               | Groshong Prop 50      | Humboldt                   | Storm Proofing     | II            |           | 0         | 0      | 0         | 17     | 0       | 0        | \$5,384    | 450       |
| Deactivated      | 5338                     | 0.000 R&S       | 8/10/200     |               | ECP Not               | Remove Crossing            | Medium             | -             | -         | 0         |        | 0         | 17     | 6       | 1,000    | \$12       | 450       |
|                  |                          |                 | -            |               |                       | t 400 feet upstream from   |                    |               |           |           |        |           |        |         |          |            |           |
| -                |                          |                 |              |               |                       | end is at base of first he |                    |               | locking   | the char  |        |           |        |         |          |            |           |
| 60.30111015      | 4403                     | 0.650 Alden     |              | 50 Gro        | Groshong Prop 50      | Humboldt                   | Storm Proofing     | II            |           | 0         | 0      | 0         | 8      | 0       | 0        | \$2,707    | 4,000     |
| Deactivated      | 4403                     | 0.000 R&S       | 8/10/200     |               | ECP Not               | Remove Crossing            | Medium             | -             | -         | 0         |        | 0         | 8      | 6       | 5,000    | \$1        | 4,000     |
|                  |                          | -               | _            |               | •                     | 100' wide at the bottom,   | •                  | •             |           |           |        |           |        |         |          |            |           |
|                  |                          |                 |              |               |                       | d to provide area to sp    |                    |               | el on the |           |        |           |        |         |          |            |           |
| 60.30111049      | 2094                     | 0.080 Hascha    |              | 03-089        | Primrose              | Humboldt                   | THP Recon.         | III           |           | 0         | 0      | 0         | 0      | 0       | 0        | \$0        | 0         |
| Private Seasonal | 2094                     | 0.000 AL        | 8/15/200     |               | ECP Not               | Excavate Soil              | Medium             | -             | -         | 0         |        | 0         | 0      | 0       | 0        | \$0        | 0         |
|                  |                          |                 |              |               |                       | at close of operations a   |                    |               | ly pulle  |           |        |           |        |         |          |            |           |
| 60.30111049      | 2094                     | 0.100 Hascha    |              | 11-043        | Rose                  | Temp. Crossing             | THP App. Rd.       | III           |           | 0         | 0      | 0         | 0      | 0       | 0        | \$0        | 0         |
| Private Seasonal | 5596                     |                 | 10/17/20     |               | ECP Not               | Temp. Crossing             | Medium             | -             | -         | 0         |        | 0         | 0      | 0       | 0        | \$0        | 0         |
|                  | Install ter<br>item 18 s |                 | r crossing   | g . Define bo | ottom of channel with | hay flakes.Remove cros     | sing down to grade | at close of c | peratio   | ns and th | e cros | sing will | be com | pletely | pulled a | nd mulched | to        |
| 60.3011106       | 5348                     | 0.090 Alden     | Alden        | Maintena      | Maintenance           | No Problem                 | Assessment         | III           |           | 0         | 0      | 0         | 0      | 0       | 0        | \$0        | 0         |
| Storm Proofed    | 5348                     | 0.000 Unk       | 8/10/200     | )9            | ECP Not               | No Action                  | Low                | -             | -         | 0         |        | 0         | 0      | 0       | 0        | \$0        | 0         |
|                  | Small Cla                | ss III. Make s  | sure it is o | lipped.       |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
| 60.3011106       | 5349                     | 0.100 Alden     | Alden        | Maintena      | Maintenance           | No Problem                 | Assessment         | III           |           | 0         | 0      | 0         | 0      | 0       | 0        | \$472      | 0         |
| Private Seasonal | 5349                     | 0.000 Unk       | 8/10/200     | 03            | ECP Not               | No Action                  | No Action          | 18"           | 18"       | 40        |        | 0         | 0      | 0       | 0        | \$0        | 0         |
|                  | Old culve                | ert with down s | spout        |               |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |
| 60.301139        | 2727                     | 0.000 Pehl      | Pehl         | 99-087        | Groshong Ridge        | No Problem                 | THP Maint Insp     | N/A           |           | 0         | 0      | 0         | 0      | 0       | 0        | \$0        | 0         |
| Private Seasonal | 2727                     | 0.500 Unk       | 1/4/2006     | 5             | ECP Not               | No Action                  | No Action          | -             | -         | 0         |        | 0         | 0      | 0       | 0        | \$0        | 0         |
|                  | Winter In                | spection. Cul-  | verts oka    | у.            |                       |                            |                    |               |           |           |        |           |        |         |          |            |           |

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| Private Seasonal W 60.301142 Storm Proofed |                   | End Crew<br>0.000 Pehl<br>0.300 Unk | Done<br>Pehl | Rd Pt        | ECP Number              | Solution                | Priority/Shedule    | Old Dia   | New D | ia Ln |    | Right D | Cat | Labor | Yds   | \$/FSD   | E0D 1/1 |
|--------------------------------------------|-------------------|-------------------------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------|-------|-------|----|---------|-----|-------|-------|----------|---------|
| Private Seasonal W 60.301142 Storm Proofed | 2724<br>Vinter In |                                     | Pehl         | 00.005       |                         |                         | 1 Honey/Choude      | 0.00 0.00 |       |       |    |         | Out | Labor | Tus   | ず/ころり    | FSD Yds |
| 60.301142<br>Storm Proofed                 | Vinter In         | 0.300 Unk                           |              | 99-087       | Groshong Ridge          | No Problem              | THP Maint Insp      | N/A       |       | 0     | 0  | 0       | 0   | 0     | 0     | \$0      | 0       |
| 60.301142<br>Storm Proofed                 |                   |                                     | 1/4/2006     | ;<br>i       | ECP Not                 | No Action               | No Action           | -         | -     | 0     |    | 0       | 0   | 0     | 0     | \$0      | 0       |
| Storm Proofed                              | 4200              | spection. Cul                       | verts okay   | <b>7.</b>    |                         |                         |                     |           |       |       |    |         |     |       |       |          |         |
|                                            | 4398              | 0.000 Alden                         | Alden        | 50 Gro       | Groshong Prop 50        | Surface Drainage        | Assessment          | N/A       |       | 0     | 0  | 0       | 4   | 0     | 0     | \$1,434  | 137     |
| Ti                                         | 4398              | 0.280 R&S                           | 8/10/200     | 19           | ECP Not                 | Tip and Dip             | Medium              | -         | -     | 0     |    | 0       | 5   | 2     | 0     | \$10     | 137     |
|                                            | ip and I          | Dip                                 |              |              |                         |                         |                     |           |       |       |    |         |     |       |       |          |         |
| 60.301142                                  | 4399              | 0.280 Alden                         | Alden        | 50 Gro       | Groshong Prop 50        | Surface Drainage        | Assessment          | N/A       |       | 0     | 0  | 0       | 4   | 0     | 0     | \$1,461  | 93      |
| Deactivated                                | 4399              | 0.470 R&S                           | 8/10/200     | 19           | ECP Not                 | Tip and Dip             | Medium              | -         | -     | 0     |    | 0       | 6   | 0     | 0     | \$16     | 93      |
| Ti                                         | ip and I          | Dip                                 |              |              |                         |                         |                     |           |       |       |    |         |     |       |       |          |         |
| 60.301142                                  | 4397              | 0.280 Alden                         | Alden        | 50 Gro       | Groshong Prop 50        | Humboldt                | Storm Proofing      | II        |       | 0     | 40 | 0       | 7   | 0     | 0     | \$2,030  | 2,000   |
| Deactivated                                | 4397              | 0.000 R&S                           | 8/11/200     | 19           | ECP Not                 | Remove Crossing         | Medium              | -         | Pull  | 0     |    | 0       | 5   | 4 2   | 2,500 | \$1      | 2,000   |
| E                                          | xcavate           | -                                   | End hau      | l what can't | be stored locally out t | o intersection with the | idge road. Rock the | top.      |       |       |    |         |     |       |       |          |         |
| 60.301142                                  | 4402              | 0.390 Alden                         | Alden        | 50 Gro       | Groshong Prop 50        | Humboldt                | Storm Proofing      | III       |       | 0     | 0  | 0       | 4   | 0     | 0     | \$1,408  | 200     |
| Deactivated                                | 4402              | 0.000 R&S                           | 8/12/200     | 19           | ECP Not                 | Remove Crossing         | Medium              | -         | Pull  | 0     |    | 0       | 4   | 4     | 300   | \$7      | 200     |
| St                                         | mall cla          | ss III. Remov                       | e top to bo  | ottom spoil  | locally.                |                         |                     |           |       |       |    |         |     |       |       |          |         |
| 60.301146                                  | 5352              | 0.250 Alden                         | Pehl         | Maintena     | Maintenance             | Surface Drainage        | Maintenance         | N/A       |       | 0     | 0  | 0       | 14  | 2     | 0     | \$3,184  | 171     |
| Storm Proofed                              | 5352              | 0.600 R&S                           | 8/18/200     | 19           | ECP Not                 | Tip and Dip             | Medium              | -         | -     | 0     |    | 0       | 14  | 0     | 0     | \$19     | 171     |
| 60.301146                                  | 2720              | 0.600 Pehl                          | Pehl         | 03-089       | Primrose                | No Problem              | THP Maint Insp      | N/A       |       | 0     | 0  | 0       | 0   | 0     | 0     | \$0      | 0       |
| Private Seasonal                           | 2720              | 1.000 Unk                           | 1/4/2006     | i            | ECP Not                 | No Action               | No Action           | -         | -     | 0     |    | 0       | 0   | 0     | 0     | \$0      | 0       |
| w                                          | Vinter In         | spection. Cul                       | verts okay   | 7.           |                         |                         |                     |           |       |       |    |         |     |       |       |          |         |
| 60.30115656                                | 4472              | $0.000~\mathrm{Alden}$              | Alden        | 99-087       | Groshong Ridge          | No Problem              | Storm Proofing      | N/A       |       | 0     | 0  | 0       | 0   | 0     | 0     | \$0      | 0       |
| Not Connected                              | 4472              | 0.130 Unk                           | 10/15/20     | 003          | ECP Not                 | No Action               | Low                 | -         | -     | 0     |    | 0       | 0   | 0     | 0     | \$0      | 0       |
| T                                          | his is a s        | short spur that                     | is not con   | mected.      |                         |                         |                     |           |       |       |    |         |     |       |       |          |         |
| 60.3015                                    | 899               | 0.000 McCan                         | l Alden      | Storm Pro    | Storm Proofing          | Surface Drainage        | Storm Proofing      | N/A       |       | 0     | 0  | 0       | 104 | 101   | 0     | \$23,538 | 538     |
| Storm Proofed                              | 899               | 1.100 ME                            | 5/1/2000     | )            | ECP Not                 | Rock Surface            | Medium              | -         | -     | 0     |    | 0       | 77  | 11    | 0     | \$44     | 538     |
| 60.3015                                    | 1080              | 0.000 Pehl                          | Pehl         | Maintena     | Maintenance             | No Problem              | Maintenance         | N/A       |       | 0     | 0  | 0       | 0   | 0     | 8     | \$600    | 0       |
| Private Perm.                              | 1080              | 1.100 RF                            | 10/9/200     | 00           | ECP Not                 | Other                   | Medium              | -         | -     | 0     |    | 0       | 0   | 0     | 0     | \$0      | 0       |
| G                                          | rade roa          | ıd.                                 |              |              |                         |                         |                     |           |       |       |    |         |     |       |       |          |         |
| 60.3015                                    | 1706              | 0.000 Chidlay                       | w Chidlaw    | w Maintena   | Maintenance             | Other                   | Maintenance         | N/A       |       | 0     | 0  | 0       | 0   | 0     | 0     | \$275    | 0       |
| Private Seasonal                           | 1706              | 1.600 TE                            | 7/20/200     | 1            | ECP Not                 | R/W Treatment           | Medium              | -         | -     | 0     |    | 0       | 0   | 10    | 0     | \$0      | 0       |
| Sj                                         | prayed p          | oampas grass v                      | vith 3 perc  | ent Roundu   | p + R11 (trace).        |                         |                     |           |       |       |    |         |     |       |       |          |         |
| 60.3015                                    | 2114              | 0.000 Bennet                        | t Bennett    | 96-404       | Lowery Openings         | CulvPlug                | THP Maint Insp      | N/A       |       | 0     | 0  | 0       | 0   | 0     | 0     | \$0      | 0       |
| Private Seasonal                           | 2114              | 0.000 Unk                           | 2/10/200     | 2            | ECP Not                 | Culv. Maintenance       | Medium              | -         | -     | 0     |    | 0       | 0   | 0     | 0     | \$0      | 0       |
| 60.3015                                    | 2707              | 0.000 Pehl                          | Pehl         | 03-089       | Primrose                | No Problem              | THP Maint Insp      | N/A       |       | 0     | 0  | 0       | 0   | 0     | 0     | \$0      | 0       |
| Private Perm.                              | 2707              | 1.100 Unk                           | 12/29/20     | 005          | ECP Not                 | No Action               | No Action           | -         | -     | 0     |    | 0       | 0   | 0     | 0     | \$0      | 0       |
| C                                          | leared c          | ulvert inlets.                      |              |              |                         |                         |                     |           |       |       |    |         |     |       |       |          |         |
| 60.3015                                    | 2717              | 0.000 Pehl                          | Pehl         | 03-089       | Primrose                | No Problem              | THP Maint Insp      | N/A       |       | 0     | 0  | 0       | 0   | 0     | 0     | \$0      | 0       |
| Private Perm.                              | 2717              | 1.100 Unk                           | 1/4/2006     | ,            | ECP Not                 | No Action               | No Action           | -         | -     | 0     |    | 0       | 0   | 0     | 0     | \$0      | 0       |
| W                                          | Vinter In         | spection. Cul-                      | verts okay   | . One bank   | slump.                  |                         |                     |           |       |       |    |         |     |       |       |          |         |

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| Column   C | Road #           | GIS#       | Mile Plan           | Final       | THP#        | THP Name               | Problem                   | Repair Type            | Cr. Class     | s l       | DRCs F     | Rock   | Left D      | Exca.   | Truck     | Gra.     | Cost        | Total Yds |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|---------------------|-------------|-------------|------------------------|---------------------------|------------------------|---------------|-----------|------------|--------|-------------|---------|-----------|----------|-------------|-----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Road Class       | ID#        | End Crew            | Done        | Rd Pt       | ECP Number             | Solution                  | Priority/Shedule       |               |           | ia Ln      |        | Right D     | Cat     | Labor     | Yds      | \$/FSD      | FSD Yds   |
| Private Seasonal   S | 60.3015          | 5500       | 0.000 Chidla        | w Chidlaw   | Maintena    | Maintenance            | Other                     | Maintenance            | N/A           |           | 0          | 0      | 0           | 0       | 0         | 0        | \$0         | 0         |
| Private Penne   Private Pen  |                  |            |                     |             |             |                        |                           |                        | -             | _         | 0          |        | 0           | 0       |           |          | * -         | 0         |
| Second   S | 60.3015          | 244        | 0.010 Heath         | McCanl      | 99-282      | Bailey                 | Surface Drainage          | THP Not                | N/A           |           | 0          | 0      | 0           | 0       | 1         | 0        | \$130       | 0         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Private Perm.    | 244        | 0.000 ME            | 5/2/2000    |             | ECP Not                | Dip Rolling               | Medium                 | -             | -         | 0          |        | 0           | 1       | 0         | 0        | \$0         | 0         |
| Private Penal   Private Pena |                  | Install ro | lling dip to dra    | in water fr | om road. 7  | This would be in front | of gate and drain to rig  | ht side of road looki  | ng west.      |           |            |        |             |         |           |          |             |           |
| Say                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60.3015          | 1103       | 0.010 Alden         | Alden       | Maintena    | Maintenance            | No Problem                | Maintenance            | N/A           |           | 0          | 0      | 0           | 0       | 0         | 0        | \$0         | 0         |
| Private Perm.   Past                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Private Seasonal | 1103       | 0.000 Unk           | 12/5/2000   | 0           | ECP Not                | Gate                      | Low                    | -             | -         | 0          |        | 0           | 0       | 0         | 0        | \$0         | 0         |
| Second   S | 60.3015          | 834        | 0.050 McCan         | l McCanl    | Storm Pro   | Storm Proofing         | Fill - Road               | Storm Proofing         | N/A           |           | 0          | 0      | 0           | 1       | 0         | 0        | \$240       | 83        |
| 60.3015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Private Perm.    | 834        | $0.000~\mathrm{ME}$ | 5/2/2000    |             | ECP Not                | Excavate Soil             | Medium                 | -             | -         | 0          |        | 0           | 1       | 2         | 83       | \$3         | 83        |
| Private Perm.   246   0.000 Unk   71/200   ECP Not   Culv. Maintenance   Medium   24"   - 0   0   0   0   0   0   0   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  | potential  | roadfill failure    | above cla   | ss 3 scarps | and cracks showing a   | long OBR treat: exc       | avate and store on la  | ınding direc  | ctly acro | ss road fi | rom s  | ite.        |         |           |          |             |           |
| Storn Provide Provid | 60.3015          | 246        | 0.080 Heath         | Kelly       | 99-282      | Bailey                 | Culv.                     | THP Not                | III           |           | 0          | 0      | 0           | 0       | 0         | 0        | \$0         | 0         |
| Storm Profing   Storm Profin | Private Perm.    | 246        | 0.000 Unk           | 7/1/2000    |             | ECP Not                | Culv. Maintenance         | Medium                 | 24"           | -         | 0          |        | 0           | 0       | 0         | 0        | \$0         | 0         |
| Private Perm.   Ray    | -                | Clean-or   | it cmp and 150      | feet of ins |             |                        |                           |                        |               |           |            |        |             |         |           |          |             |           |
| A 24" cmp on a class 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |            |                     | •           | Storm Pro   | Č                      |                           | C                      |               |           | -          | 0      | -           |         | -         | -        | *           | 30        |
| Final Perm   Fin | Private Perm.    |            |                     |             |             |                        | •                         |                        |               | -         | -          |        |             | _       |           |          | * -         | 30        |
| Private Perm.   247   0.000 ME   5/2/200   ECP Not   Culv. Maintenance   Medium   24"   - 0   0   0   0   0   0   0   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |            |                     |             |             |                        | tion, a channel was cons  | structed above to inle | et , stream i | s current | ly headc   | utting | g up from i | nlet.   | Treat: re | -grade o | channel abo | ove       |
| Store   Private   Privat | 60.3015          | 247        | 0.150 Heath         | Kelly       | 99-282      | Bailey                 | Culv.                     | THP Not                | III           |           | 0          | 0      | 0           | 0       | 0         | 0        | \$0         | 0         |
| Column   C | Private Perm.    | 247        | $0.000~\mathrm{ME}$ | 5/2/2000    |             | ECP Not                | Culv. Maintenance         | Medium                 | 24"           | -         | 0          |        | 0           | 0       | 0         | 0        | \$0         | 0         |
| Private Perm. 248 0.000 RB 10/17/1999 ECP Not Culv. Replace Medium 24" 24" 0 0 0 0 3 0 \$0 \$0 6 6 6 6 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  | Also clea  | an out 200 feet     | of inside d | litch       |                        |                           |                        |               |           |            |        |             |         |           |          |             |           |
| Also class—out 300 feet of inside ditch.   Storm Proofing   Storm Proofing   Culv.   Storm Proofing   III   0 0 0 0 3 1 0 \$1,536 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 60.3015          | 248        | 0.250 Heath         | Kelly       | 99-282      | Bailey                 | Culv.                     | THP Not                | III           |           | 0          | 0      | 0           | 4       | 4         | 0        | \$649       | 0         |
| Columbia   Columbia  | Private Perm.    | 248        | 0.000 RB            | 10/17/199   | 99          | ECP Not                | Culv. Replace             | Medium                 | 24"           | 24"       | 0          |        | 0           | 0       | 3         | 0        | \$0         | 0         |
| Private Perm. 836 0.000 ME 5/3/2000 ECP Not Culv. Replace Medium 18" 24" 40 0 4 4 174 \$20 75  A 18" cmp on a class 3 . No flow at present time , flow during peak events. Appears to receive majority of flow coming down inside ditch , cmp low gradient and shotgunned, road surface draining over OBF. Treat: replace with 24" to grade inslope road over crossing , add CD  60.3015 838 0.370 McCanl Alden Storm Pro Storm Proofing Fill - Road Storm Proofing N/A 0 0 0 6 10 0 \$1,600 441  Private Perm. 838 0.000 ME 6/5/2000 ECP Not Excavate Soil High - 0 0 0 0 3 8 441 \$12 132  Pot. Roadfill failure , with several small past failure treat: excavate and endhaul to spoil site  60.3015 839 0.380 McCanl Kelly Storm Pro Storm Proofing Other Storm Proofing III 0 0 0 0 3 2 0 \$1,701 75  Private Perm. 839 0.000 ME 5/3/2000 ECP Not Culv. Install High - 24" 50 0 3 3 4 167 \$23 75  A class with no cmp , flows down IBD 220' to site #4. A well defined channel above and below road . Treat: install 24" cmp to grade , remove root ball and small redwood at inlet , grade up channel 20' , add CD right hinge , add DS if needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  | Also clea  | an-out 300 feet     | of inside d | litch.      |                        |                           |                        |               |           |            |        |             |         |           |          |             |           |
| A 18" cmp on a class 3 . No flow at present time , flow during peak events. Appears to receive majority of flow coming down inside ditch , cmp low gradient and shotgumed, road surface draining over OBF. Treat: replace with 24" to grade inslope road over crossing , add CD  60.3015 838 0.370 McCanl Alden Storm Pro Storm Proofing Fill - Road Storm Proofing N/A 0 0 0 0 6 10 0 \$1,600 441  Private Perm. 838 0.000 ME 6/5/2000 ECP Not Excavate Soil High 0 0 0 3 8 441 \$12 132  Pot. Roadfill failure , with several small past failure treat: excavate and endhaul to spoil site  60.3015 839 0.380 McCanl Kelly Storm Pro Storm Proofing Other Storm Proofing III 0 0 0 3 2 0 \$1,701 75  Private Perm. 839 0.000 ME 5/3/2000 ECP Not Culv. Install High - 24" 50 0 3 4 167 \$23 75  A class with no cmp , flows down IBD 220' to site #4. A well defined channel above and below road . Treat: install 24" cmp to grade , remove root ball and small redwood at inlet , grade up channel 20' , add CD right hinge , add DS if needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60.3015          | 248        | 0.250 McCan         | l Kelly     | Storm Pro   | Storm Proofing         | Culv.                     | Storm Proofing         | III           |           | 0          | 0      | 0           | 3       | 1         | 0        | \$1,536     | 75        |
| Column   C |                  |            |                     |             |             |                        | •                         |                        |               |           |            |        | Ü           | -       | -         |          |             | 75        |
| 60.3015 838 0.370 McCanl Alden Storm Pro Storm Proofing Fill - Road Storm Proofing N/A 0 0 0 0 6 10 0 \$1,600 441 Private Perm. 838 0.000 ME 6/5/2000 ECP Not Excavate Soil High 0 0 0 3 8 441 \$12 132 Pot. Roadfill failure, with several small past failure treat: excavate and endhaul to spoil site  60.3015 839 0.380 McCanl Kelly Storm Pro Storm Proofing Other Storm Proofing III 0 0 0 3 2 0 \$1,701 75 Private Perm. 839 0.000 ME 5/3/2000 ECP Not Culv. Install High - 24" 50 0 3 4 167 \$23 75 A class with no cmp, flows down IBD 220' to site #4. A well defined channel above and below road . Treat: install 24" cmp to grade, remove root ball and small redwood at inlet, grade up channel 20', add CD right hinge, add DS if needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |            |                     |             |             |                        |                           |                        | coming do     | own insid | le ditch , | , cmp  | low gradi   | ent and | shotgu    | med, ro  | ad surface  |           |
| Pot. Roadfill failure, with several small past failure treat: excavate and endhaul to spoil site  60.3015  839 0.380 McCanl Kelly Storm Pro Storm Proofing Other Storm Proofing III 0 0 0 0 3 2 0 \$1,701 75  Private Perm. 839 0.000 ME 5/3/2000 ECP Not Culv. Install High - 24" 50 0 3 4 167 \$23 75  A class with no cmp, flows down IBD 220' to site #4. A well defined channel above and below road. Treat: install 24" cmp to grade, remove root ball and small redwood at inlet, grade up channel 20', add CD right hinge, add DS if needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 60.3015          |            |                     |             |             |                        |                           |                        | N/A           |           | 0          | 0      | 0           | 6       | 10        | 0        | \$1,600     | 441       |
| 60.3015 839 0.380 McCanl Kelly Storm Pro Storm Proofing Other Storm Proofing III 0 0 0 0 3 2 0 \$1,701 75 Private Perm. 839 0.000 ME 5/3/2000 ECP Not Culv. Install High - 24" 50 0 3 4 167 \$23 75 A class with no cmp, flows down IBD 220' to site #4. A well defined channel above and below road. Treat: install 24" cmp to grade, remove root ball and small redwood at inlet, grade up channel 20', add CD right hinge, add DS if needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Private Perm.    | 838        | 0.000 ME            | 6/5/2000    |             | ECP Not                | Excavate Soil             | High                   | -             | -         | 0          |        | 0           | 3       | 8         | 441      | \$12        | 132       |
| Private Perm. 839 0.000 ME 5/3/2000 ECP Not Culv. Install High - 24" 50 0 3 4 167 \$23 75  A class with no cmp, flows down IBD 220' to site #4. A well defined channel above and below road. Treat: install 24" cmp to grade, remove root ball and small redwood at inlet, grade up channel 20', add CD right hinge, add DS if needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  | Pot. Roa   | dfill failure, w    | ith several | small past  | failure treat: excavat | te and endhaul to spoil s | ite                    |               |           |            |        |             |         |           |          |             |           |
| A class with no cmp, flows down IBD 220' to site #4. A well defined channel above and below road. Treat: install 24" cmp to grade, remove root ball and small redwood at inlet, grade up channel 20', add CD right hinge, add DS if needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 60.3015          | 839        | 0.380 McCan         | l Kelly     | Storm Pro   | Storm Proofing         | Other                     | Storm Proofing         | III           |           | 0          | 0      | 0           | 3       | 2         | 0        | \$1,701     | 75        |
| channel 20', add CD right hinge, add DS if needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Private Perm.    | 839        | $0.000~\mathrm{ME}$ | 5/3/2000    |             | ECP Not                | Culv. Install             | High                   | -             | 24"       | 50         |        | 0           | 3       | 4         | 167      | \$23        | 75        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |            |                     |             |             |                        | ned channel above and     | below road. Treat      | : install 24' | " cmp to  | grade,     | remo   | ve root bal | l and s | mall red  | wood at  | inlet, grad | ie up     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 60.3015          |            | `                   | <u> </u>    |             |                        | No Problem                | Maintenance            | N/A           |           | 0          | 0      | 0           | 0       | 0         | 0        | \$0         | 0         |
| Private Seasonal 1825 0.000 Unk 10/15/2001 ECP Not Rock Pit Low 0 0 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  | 1825       | 0.000 Unk           | 10/15/200   | 01          | ECP Not                | Rock Pit                  | Low                    | _             | -         | 0          |        | 0           | 0       | 0         | 0        | \$0         | 0         |
| Ranch Road Pit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  | Ranch R    | oad Pit             |             |             |                        |                           |                        |               |           |            |        |             |         |           |          |             |           |

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| Road #        | GIS#      | Mile Plan                              | Final                    | THP#                      | THP Name                                    | Problem                                               | Repair Type           | Cr. Class                  | s I                     | ORCs Ro                       | ck Left D                    | Exca               | . Truck     | Gra.     | Cost           | Total Yds |
|---------------|-----------|----------------------------------------|--------------------------|---------------------------|---------------------------------------------|-------------------------------------------------------|-----------------------|----------------------------|-------------------------|-------------------------------|------------------------------|--------------------|-------------|----------|----------------|-----------|
| Road Class    | ID#       | End Crew                               | Done                     | Rd Pt                     | ECP Number                                  | Solution                                              | Priority/Shedule      | Old Dia                    | New D                   | ia Ln                         | Right D                      | Cat                | Labor       | Yds      | \$/FSD         | FSD Yds   |
| 60.3015       | 249       | 0.460 McCan                            | Kelly                    | Storm Pro                 | Storm Proofing                              | Other                                                 | Storm Proofing        | III                        |                         | 0                             | ) 0                          | 10                 | 2           | 0        | \$3,928        | 90        |
| Private Perm. | 840       | 0.000 ME                               | 5/5/2000                 | 2101111110                | ECP Not                                     | Culv. Replace                                         | High                  | 24"                        | 36"                     | 50                            | 0                            | 8                  | 4           | 215      | \$44           | 90        |
| 11110001011   |           |                                        |                          | oing subsu                |                                             | ad and emerges 250' below                             | 0                     |                            |                         |                               | -                            | BD t               | hen righ:   |          | •              |           |
|               | construct | ted to keep flow                       | in ditch.                | Cmp is low                | gradient. Road sur                          | rface draining over OBF ca                            | using fill erosion.   | Treat: remo                | ve 24" c                | mp , install                  | 36" 30' to                   | left at            | old fill fa |          |                |           |
|               |           |                                        |                          |                           |                                             | rge berm on the left, add                             |                       |                            | ll slope b              |                               |                              |                    |             |          |                |           |
| 60.3015       | 249       | 0.460 Heath                            | Kelly                    | 99-282                    | Bailey                                      | Inside ditch                                          | THP Recon.            | N/A                        |                         | 0                             | 0                            | 0                  | 0           | 0        | \$0            | 0         |
| Private Perm. | 249       | 0.000 ME                               | 5/5/2000                 |                           | ECP Not                                     | Other                                                 | Medium                | -                          | -                       | 0                             | 0                            | 0                  | 0           | 0        | \$0            | 0         |
|               |           |                                        |                          |                           |                                             | ent out flow onto road. Ins                           |                       |                            |                         |                               | ater to culve                | ert. Als           | so, fill fa | ilure on | the othersi    | de of     |
| (0.2015       |           |                                        |                          |                           |                                             | rock pit material and cons                            |                       |                            | ow onto                 |                               | ) 0                          | 12                 | 9           | 0        | ¢2 100         | 1 167     |
| 60.3015       | 841       |                                        |                          | Storm Pro                 | Storm Proofing                              | Fill - Road                                           | Storm Proofing        | N/A                        |                         | 0                             | 0                            | 3                  | -           |          | \$2,188<br>\$0 | 1,167     |
| Private Perm. | 841       | 0.000 ME                               | 6/5/2000                 |                           | ECP Not                                     | Excavate Soil                                         | High                  | -                          | -                       | O                             |                              | -                  |             | 1,167    | **             | 0         |
|               | A past ro | adfill failure re<br>cavate fill fail: | sting 20' t<br>ire above | elow OBF.<br>landslide at | . Below this a large<br>nd endhaul to snoil | landslide developing, a he site. This may unload land | ead scarp showing the | irough low<br>I failure do | er part of<br>esint ann | t fill failure<br>ear to have | . Trees on s<br>triggered la | ide are<br>ndslide | tilted, i   | ndicatin | g moveme       | nt.       |
| 60.3015       | 842       |                                        |                          |                           | Storm Proofing                              | CulvPlug                                              | Storm Proofing        | III                        | os ne app               |                               | ) 0                          | 10                 | 4           | 0        | \$4,258        | 111       |
| Private Perm. | 842       | 0.000 ME                               | 5/17/2000                |                           | ECP Not                                     | Culv. Replace                                         | Medium                | 24"                        | 36"                     | 50                            | 0                            | 9                  | 6           | 220      | \$38           | 111       |
|               | A 24' on  | class 3 . cmp lo                       | w gradier                | nt and under              | rsized. Road surfac                         | e draining over OBF causi                             | ng small gully down   | fill slope.                | Treat:                  | renlace wit                   | h 36" cmp to                 | grade              | add CD      | right hi | nge.           |           |
| 60.3015       | 843       |                                        |                          |                           | Storm Proofing                              | Fill - Road                                           | Storm Proofing        | N/A                        |                         | 0                             |                              | 1                  | 0           | 0        | \$115          | 44        |
| Private Perm. | 843       | 0.000 ME                               | 6/6/2000                 |                           | ECP Not                                     | Excavate Soil                                         | Medium                | _                          | _                       | 0                             | 0                            | 0                  | 0           | 44       | \$7            | 18        |
|               | Pot. Fill | failure above cl                       | ass 3 . sm               | all crack an              | nd scarps visible.                          | Treat: excavate and endha                             | ul 200' to left.      |                            |                         |                               |                              |                    |             |          |                |           |
| 60.3015       | 844       |                                        |                          |                           | Storm Proofing                              | CulvHDP                                               | Storm Proofing        | III                        |                         | 0                             | ) 0                          | 1                  | 0           | 0        | \$190          | 0         |
| Private Perm. | 844       | 0.000 ME                               | 5/26/2000                | 0                         | ECP Not                                     | Dip Critical                                          | Medium                | 24"                        | _                       | 0                             | 0                            | 1                  | 0           | 0        | \$0            | 0         |
|               | A 24" on  | a class 3, cmp                         | shallow i                | nstalled bu               | t has DS. Cmp also                          | receives flow from IBD. C                             | mp has DP to right.   | Treat: in                  | stall CD                | right hinge                   | , grade up                   | hannel             | 20' abo     | ve inlet |                |           |
| 60.3015       | 845       | 0.620 McCan                            | Alden                    | Storm Pro                 | Storm Proofing                              | Fill - Landing                                        | Storm Proofing        | III                        |                         | 0                             |                              | 2                  | 0           | 0        | \$280          | 44        |
| Private Perm. | 845       | 0.000 ME                               | 6/6/2000                 |                           | ECP Not                                     | Excavate Soil                                         | Medium                | -                          | -                       | 0                             | 0                            | 0                  | 2           | 44       | \$6            | 44        |
|               | Pot. Lane | ding fill failure                      | above clas               | ss 3. Tre                 | at: excavate, push                          | spoils against cutbank.                               |                       |                            |                         |                               |                              |                    |             |          |                |           |
| 60.3015       | 846       | 0.730 McCan                            |                          | Storm Pro                 | Storm Proofing                              | CulvHDP                                               | Storm Proofing        | III                        |                         | 0                             | 0                            | 0                  | 0           | 0        | \$75           | 0         |
| Private Perm. | 846       | $0.000~\mathrm{ME}$                    | 5/26/2000                | 0                         | ECP Not                                     | Dip Critical                                          | Medium                | 30"                        | -                       | 0                             | 0                            | 1                  | 0           | 0        | \$0            | 0         |
|               | A 30" cr  | np on class 3 w                        | ith DP to                | right , shov              | vs evidence of past                         | diversion causing past fail                           | ure 40' to right. T   | reat: instal               | l CD rigl               | nt hinge.                     |                              |                    |             |          |                |           |
| 60.3015       | 250       | 0.830 Heath                            | Alden                    | 99-282                    | Bailey                                      | Culv.                                                 | THP Not               | III                        |                         | 0                             | 0                            | 0                  | 0           | 0        | \$0            | 0         |
| Private Perm. | 250       | $0.000~\mathrm{ME}$                    | 5/18/2000                | 0                         | ECP Not                                     | Culv. Maintenance                                     | High                  | 24"                        | -                       | 0                             | 0                            | 0                  | 0           | 0        | \$0            | 0         |
|               | Culvert a | lmost plugged.                         |                          |                           |                                             |                                                       |                       |                            |                         |                               |                              |                    |             |          |                |           |
| 60.3015       | 250       | 0.830 McCan                            | Alden                    | Storm Pro                 | Storm Proofing                              | CulvHDP-Plug                                          | Storm Proofing        | III                        |                         | 0                             | 0                            | 10                 | 0           | 0        | \$3,268        | 116       |
| Private Perm. | 848       | 0.000 ME                               | 5/18/2000                | 0                         | ECP Not                                     | Culv. Replace                                         | High                  | 18"                        | 36"                     | 40                            | 0                            | 5                  | 6           | 305      | \$28           | 116       |
|               |           | a class 3 , und<br>Endhaul spoils.     | ersized an               | d has diver               | ted to right to 18"                         | DRC this winter. Treat: ex                            | xcavate top to bot es | tablish cha                | nnel up i               | from bot fla                  | g thru old s                 | kid. In            | stall 36'   | to grad  | e add CD r     | ight      |
| 60.3015       | 849       | 0.870 McCan                            | Alden                    | Storm Pro                 | Storm Proofing                              | Culv.                                                 | Storm Proofing        | III                        |                         | 0                             | 0                            | 12                 | 0           | 0        | \$2,884        | 50        |
|               |           | 0.000 1 (5)                            | £ /1 0 /2 0 0            | 0                         | ECDN                                        | G I D I                                               | M I                   | 2.4"                       | 24"                     | 40                            |                              | 1.0                | 2           |          | 0.50           | 50        |
| Private Perm. | 849       | $0.000~\mathrm{ME}$                    | 5/18/2000                | U                         | ECP Not                                     | Culv. Replace                                         | Medium                | 24"                        | 24"                     | 40                            | 0                            | 10                 | 3           | 111      | \$58           | 50        |

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| Road #           | GIS#                  | Mile Plan                         | Final        | THP#        | THP Name                 | Problem                   | Repair Type           | Cr. Class    | s [        | RCs R      | Rock    | Left D      | Exca.   | Truck    | Gra.     | Cost         | Total Yds |
|------------------|-----------------------|-----------------------------------|--------------|-------------|--------------------------|---------------------------|-----------------------|--------------|------------|------------|---------|-------------|---------|----------|----------|--------------|-----------|
| Road Class       | ID#                   | End Crew                          | Done         | Rd Pt       | ECP Number               | Solution                  | Priority/Shedule      | Old Dia      | New D      | ia Ln      |         | Right D     | Cat     | Labor    | Yds      | \$/FSD       | FSD Yds   |
| 60.3015          | 850                   | 0.980 McCan                       | l McCanl     | Storm Pro   | Storm Proofing           | CulvDitch Relief          | Storm Proofing        | N/A          |            | 0          | 0       | 0           | 0       | 0        | 0        | \$0          | 0         |
| Private Perm.    | 850                   | 0.000 Unk                         | 3/8/2000     |             | ECP Not                  | No Action                 | Medium                | 18"          | _          | 0          |         | 0           | 0       | 0        | 0        | \$0          | 0         |
|                  | 18" DRC               | no treat.                         |              |             |                          |                           |                       |              |            |            |         |             |         |          |          |              |           |
| 60.3015          | 5470                  | 1.060 Alden                       |              | Maintena    | Maintenance              | No Problem                | Maintenance           | N/A          |            | 0          | 0       | 0           | 0       | 0        | 0        | \$0          | 0         |
| Private Seasonal | 5470                  | 0.000 Unk                         | 6/1/2009     |             | ECP Not                  | Water Hole                | Medium                | -            | -          | 0          |         | 0           | 0       | 0        | 0        | \$0          | 0         |
|                  | Log Cabi              | n Ranch 5,000                     | gallon tar   | ık takes wa | ter from spring below    |                           |                       |              |            |            |         |             |         |          |          |              |           |
| 60.3015          | 851                   | 1.100 McCan                       | l Alden      | Storm Pro   | Storm Proofing           | Culv.                     | Storm Proofing        | III          |            | 0          | 0       | 0           | 3       | 0        | 0        | \$570        | 50        |
| Private Perm.    | 851                   | $0.000~\mathrm{ME}$               | 6/13/200     | )           | ECP Not                  | Excavate Soil             | Medium                | 24"          | -          | 0          |         | 0           | 3       | 0        | 111      | \$11         | 50        |
|                  | A 24" cm<br>add 40' o |                                   | , cmp has    | 10' DS that | is shotgunned. Crossi    | ng large amount of fill   | that's perched around | d outlet are | а. Т       | reat: ex   | cavat   | e fill at O | BF , pu | sh spoil | s to rig | ht to landin | g,        |
| 60.3015          | 1057                  | 1.100 Pehl                        | Pehl         | Maintena    | Maintenance              | Cut Bank Failure          | Maintenance           | N/A          |            | 0          | 0       | 0           | 8       | 0        | 0        | \$760        | 0         |
| Private Seasonal | 1057                  | 2.540 RB                          | 9/12/200     | )           | ECP Not                  | Excavate Soil             | High                  | -            | -          | 0          |         | 0           | 0       | 0        | 0        | \$0          | 0         |
|                  | Ramp ov               | er cutbank failı                  | ures to allo | w access b  | y 4X4 pickup. Do no      | t sidecast. Repair wate   | rbars. If middle can' | t be cleared | l access f | rom both   | ends    | okay.       |         |          |          |              |           |
| 60.3015          | 1384                  | 1.100 Alden                       | Alden        | Maintena    | Maintenance              | Surface Drainage          | Maintenance           | N/A          |            | 0          | 0       | 0           | 0       | 0        | 0        | \$188        | 0         |
| Private Seasonal | 1384                  | 2.500 ME                          | 3/15/200     | 1           | ECP Not                  | Waterbar                  | Medium                | -            | -          | 0          |         | 0           | 3       | 0        | 0        | \$0          | 0         |
| 60.3015          | 2338                  | 1.100 Alden                       | Alden        | 271 Pep     | Pep P0530407             | Surface Drainage          | Storm Proofing        | N/A          |            | 0          | 0       | 0           | 61      | 9        | 0        | \$14,818     | 636       |
| Storm Proofed    | 2338                  | 2.400 R&S                         | 12/5/200     | 5           | ECP Not                  | Tip and Dip               | Medium                | -            | -          | 0          |         | 0           | 60      | 41       | 0        | \$23         | 636       |
|                  | Tip and I             | Dip                               |              |             |                          |                           |                       |              |            |            |         |             |         |          |          |              |           |
| 60.3015          | 1288                  | 1.300 McCan                       | l Alden      | 271 Pep     | Pep P0530407             | Fill - Road               | Storm Proofing        | III          |            | 0          | 0       | 0           | 2       | 0        | 0        | \$410        | 163       |
| Storm Proofed    | 2800                  | 0.000 R&S                         | 10/26/20     | 06          | ECP Not                  | Armored Ford              | High                  | 36"          | RkFd       | 0          |         | 0           | 2       | 0        | 163      | \$3          | 163       |
|                  | crossing              | has diversion p                   | otential to  | right also  | past fill failure with p | otential for more TF      | REAT excavate rema    | ining unsta  | ble fill,  | use spoil  | l to in | slope road  | d and c | onstruct | critica  | l dip        |           |
| 60.3015          | 1288                  | 1.300 McCan                       | l Alden      | 06-163      | Sage                     | Fill - Road               | Storm Proofing        | III          |            | 0          | 0       | 0           | 0       | 0        | 0        | \$0          | 163       |
| Private Seasonal | 1288                  | 0.000 R&S                         | 10/26/20     | 06          | ECP Not                  | Dip Critical              | High                  | 36"          | -          | 0          |         | 0           | 0       | 0        | 163      | \$0          | 163       |
|                  | crossing              | has diversion p                   | otential to  | right also  | past fill failure with p | octential for more TF     | REAT excavate rema    | ining unsta  | ıble fill, | use spoil  | l to in | slope road  | d and c | onstruct | critica  | l dip        |           |
| 60.3015          | 1287                  | 1.320 McCan                       | l Alden      | 06-163      | Sage                     | Inside ditch              | Storm Proofing        | N/A          |            | 0          | 0       | 0           | 0       | 0        | 0        | \$472        | 0         |
| Private Seasonal | 1287                  | 0.000 R&S                         | 10/26/20     | 06          | ECP Not                  | Culv. Ditch Relief        | Medium                | -            | 18"        | 40         |         | 0           | 0       | 0        | 0        | \$0          | 0         |
|                  | several si            | mall springs en                   | tering ditc  | h TREAT     | install DRC clean d      | itch 150' to left up road | out slope road below  | w DRC re a   | ılign roac | l to elimi | inate   | thru cut    |         |          |          |              |           |
| 60.3015          | 1287                  | 1.320 McCan                       | l Alden      | 271 Pep     | Pep P0530407             | Inside ditch              | Storm Proofing        | N/A          |            | 0          | 0       | 0           | 4       | 1        | 0        | \$1,007      | 0         |
| Storm Proofed    | 2799                  | 0.000 R&S                         | 11/6/200     | 5           | ECP Not                  | Culv. Ditch Relief        | Medium                | -            | 18"        | 40         |         | 0           | 0       | 0        | 0        | \$0          | 0         |
|                  | several si            | mall springs en                   | tering dito  | h TREAT     | install DRC clean d      | itch 150' to left up road | out slope road belov  | w DRC re a   | ilign roac | l to elimi | inate   | thru cut    |         |          |          |              |           |
| 60.3015          | 1286                  | 1.350 McCan                       | l Alden      | 06-163      | Sage                     | Fill - Road               | Storm Proofing        | N/A          |            | 0          | 0       | 0           | 0       | 0        | 0        | \$0          | 0         |
| Private Seasonal | 1286                  | 0.000 PW                          | 11/6/200     | 5           | ECP Not                  | Excavate Soil             | High                  | -            | -          | 0          |         | 0           | 0       | 0        | 0        | \$0          | 0         |
|                  | •                     | road fill failure<br>under Pepper |              | _           | s also cut bank failure  | e same location TREA      | T excavate road fill  | remove org   | ganics sa  | me with    | cutb    | ank failure | incor   | porate i | nto roa  | d surface    |           |
| 60.3015          | 1286                  | 1.350 McCan                       | l Alden      | 271 Pep     | Pep P0530407             | Fill - Road               | Storm Proofing        | N/A          |            | 0          | 0       | 0           | 4       | 0        | 0        | \$820        | 230       |
| Private Seasonal | 2798                  | 0.000 R&S                         | 11/6/200     | 5           | ECP Not                  | Excavate Soil             | High                  | -            | -          | 0          |         | 0           | 4       | 0        | 360      | \$6          | 138       |
|                  | potential             | road fill failure                 | with lots    | of organic  | s also cut bank failur   | e same location TREA      | T excavate road fill  | remove org   | ganics sa  | me with    | cutb    | ank failure | incor   | porate i | nto roa  | d surface    |           |

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| Road #           | GIS#      | Mile Plan                         | Final       | THP#        | THP Name              | Problem                       | Repair Type             | Cr. Clas    | s           | DRCs F    | Rock    | Left D      | Exca.    | Truck      | Gra.       | Cost         | Total Yds |
|------------------|-----------|-----------------------------------|-------------|-------------|-----------------------|-------------------------------|-------------------------|-------------|-------------|-----------|---------|-------------|----------|------------|------------|--------------|-----------|
| Road Class       | ID#       | End Crew                          | Done        | Rd Pt       | ECP Number            | Solution                      | Priority/Shedule        | Old Dia     | New D       | Dia Ln    |         | Right D     | Cat      | Labor      | Yds        | \$/FSD       | FSD Yds   |
| 60.3015          | 1285      | 1.380 McCan                       | l Alden     | 06-163      | Sage                  | CulvDitch Relief              | Storm Proofing          | N/A         |             | 0         | 0       | 0           | 0        | 0          | 0          | \$0          | 0         |
| Private Seasonal | 1285      | 0.000 PW                          | 10/27/20    |             | ECP Not               | Excavate Soil                 | Medium                  | _           | _           | 0         |         | 0           | 0        | 0          | 67         | \$0          | 0         |
|                  |           | _                                 |             |             | TREAT excavate f      | ill incorporate into road     |                         |             |             |           |         |             |          |            |            |              |           |
|                  |           | under Pepper                      |             |             |                       |                               |                         |             |             |           |         |             |          |            |            |              |           |
| 60.3015          | 1285      | 1.380 McCan                       |             |             |                       | CulvDitch Relief              | Storm Proofing          | N/A         |             | 0         | 0       | 0           | 1        | 0          | 0          | \$250        | 67        |
| Storm Proofed    | 2797      | 0.000 R&S                         |             |             | ECP Not               | Excavate Soil                 | Medium                  | -           | -           | 0         |         | 0           | 2        | 0          | 67         | \$37         | 7         |
|                  |           |                                   |             |             |                       | ill incorporate into road     |                         |             |             |           |         |             |          |            |            |              |           |
| 60.3015          | 1284      | 1.390 McCan                       |             | Mainter     |                       | Cut Bank Failure              | Storm Proofing          | N/A         |             | 0         | 0       | 0           | 2        | 0          | 0          | \$460        | 0         |
| Private Seasonal | 1284      | 0.000 R&S                         | 11/15/20    | 006         | ECP Not               | Excavate Soil                 | Low                     | -           | -           | 0         |         | 0           | 2        | 0          | 167        | \$0          | 0         |
|                  | remove c  |                                   |             |             | o inslope road to en  | •                             |                         |             |             |           |         |             |          |            |            |              |           |
| 60.3015          | 1283      | 1.400 McCan                       | l Alden     | 06-163      | Sage                  | CulvHDP                       | Storm Proofing          | III         |             | 0         | 0       | 0           | 0        | 0          | 0          | \$0          | 100       |
| Private Seasonal | 1283      | 0.000 R&S                         | 10/27/20    | 006         | ECP Not               | Armored Ford                  | High                    | -           | RkFd        | 0         |         | 0           | 0        | 0          | 50         | \$0          | 25        |
|                  | crossing  | has diversion p                   | otential to | o right als | o past fill failure   | FREAT excavate remaining      | g perched fill use to   | construct c | ritical di  | p right h | inge    |             |          |            |            |              |           |
| 60.3015          | 1283      | 1.400 McCan                       | l Alden     | 271 Pep     | Pep P0530407          | CulvHDP                       | Storm Proofing          | III         |             | 0         | 0       | 0           | 2        | 0          | 0          | \$365        | 0         |
| Storm Proofed    | 2796      | 0.000 R&S                         | 10/27/20    | 006         | ECP Not               | Armored Ford                  | High                    | -           | RkFd        | 0         |         | 0           | 2        | 0          | 50         | \$0          | 0         |
|                  | crossing  | has diversion p                   | otential to | o right als | o past fill failure   | ΓREAT excavate remaining      | g perched fill use to   | construct c | ritical di  | p right h | inge    |             |          |            |            |              |           |
| 60.3015          | 1282      | 1.440 McCan                       | l Alden     | 06-163      | Sage                  | Fill - Road                   | Storm Proofing          | N/A         |             | 0         | 0       | 0           | 0        | 0          | 0          | \$0          | 122       |
| Private Seasonal | 1282      | 0.000 R&S                         | 10/26/20    | 006         | ECP Not               | Excavate Soil                 | High                    | -           | -           | 0         |         | 0           | 0        | 0          | 122        | \$0          | 49        |
|                  | perched i | oad fill betwee                   | n 2 class   | 3 cracks    | and scarps showing    | TREAT excavate fil r          | emove all organics u    | se spoil to | inslope     | road ove  | r cros  | sing        |          |            |            |              |           |
| 60.3015          | 1282      | 1.440 McCan                       | l Alden     | 271 Pep     | Pep P0530407          | Fill - Road                   | Storm Proofing          | N/A         |             | 0         | 0       | 0           | 3        | 0          | 0          | \$593        | 122       |
| Storm Proofed    | 2795      | 0.000 R&S                         | 10/26/20    | 006         | ECP Not               | Excavate Soil                 | High                    | -           | -           | 0         |         | 0           | 2        | 2          | 122        | \$12         | 49        |
|                  | perched 1 | oad fill betwee                   | n 2 class   | 3 cracks    | and scarps showing    | TREAT excavate fil r          | emove all organics u    | se spoil to | inslope     | road ove  | r cros  | sing        |          |            |            |              |           |
| 60.3015          | 1281      | 1.450 McCan                       | l Alden     | 06-163      | Sage                  | CulvHDP                       | Storm Proofing          | III         |             | 0         | 0       | 0           | 0        | 0          | 0          | \$736        | 177       |
| Private Seasonal | 1281      | 0.000 R&S                         | 10/26/20    | 006         | ECP Not               | Dip Critical                  | High                    | 24"         | 24"         | 40        |         | 0           | 0        | 0          | 0          | \$4          | 177       |
|                  | Plugged   | culvert has cau                   | sed fill fa | ilure. Cle  | an or install new pip | e with debris guard. Pull fai | ling fill and install c | ritical dip | right hin   | ge. Reins | stall i | n 1 foot co | mpacte   | ed lifts o | n excav    | ated bench   |           |
| 60.3015          | 1281      | 1.450 McCan                       | l Alden     | 271 Pep     | Pep P0530407          | CulvHDP                       | Storm Proofing          | III         |             | 0         | 0       | 0           | 9        | 0          | 0          | \$2,839      | 177       |
| Storm Proofed    | 2794      | 0.000 R&S                         | 11/9/200    | )6          | ECP Not               | Dip Critical                  | High                    | 24"         | 24"         | 40        |         | 0           | 8        | 10         | 0          | \$16         | 177       |
|                  | Plugged   | culvert has cau                   | sed fill fa | ilure. Cle  | an or install new pir | e with debris guard. Pull fai | ling fill and install c | ritical dip | right hin   | ge. Reins | stall i | n 1 foot co | mpacte   | ed lifts o | n excav    | ated bench   | •         |
| 60.3015          | 1280      | 1.470 McCan                       | l Alden     | 06-163      | Sage                  | Fill - Road                   | Storm Proofing          | N/A         |             | 0         | 0       | 0           | 0        | 0          | 0          | \$0          | 289       |
| Private Seasonal | 1280      | 0.000 R&S                         | 10/26/20    | 006         | ECP Not               | Excavate Soil                 | Medium                  | _           | -           | 0         |         | 0           | 0        | 0          | 289        | \$0          | 58        |
|                  |           |                                   |             | res. Remo   | ve all organics use s | poil to inslope road between  | this point and inlet    | of cmp. In  | stall roll  | ing dip u | pslop   | e of bank   | failure  | in case    | it fails a | gain so as t | to        |
| 60.3015          |           | er off of xing fi                 |             | 271 D       | D D0520407            | Fill - Road                   | Ct D f                  | N/A         |             | 0         | 0       | 0           | 2        | 0          | 0          | \$230        | 289       |
|                  | 1280      | 1.470 McCan                       |             |             | •                     |                               | Storm Proofing          | IN/A        |             | -         | U       | 0           |          | 0          |            |              |           |
| Storm Proofed    | 2791      | 0.000 R&S                         |             |             | ECP Not               | Excavate Soil                 | Medium                  | -           | -           | 0         |         | 0           | 0        | U          | 289        | \$4          | 58        |
|                  |           | road fill and ba<br>of xing fill. | nk failure  | e. Remove   | all organics use spe  | oil to inslope road between t | his point and inlet of  | t cmp. Inst | ali rollinį | g dip ups | lope    | of bank fai | ilure in | case it    | tails aga  | un so as to  | кеер      |
| 60.3015          | 1279      | 1.580 McCan                       | l Alden     | 06-163      | Sage                  | Humboldt                      | Storm Proofing          | III         |             | 0         | 0       | 0           | 17       | 0          | 0          | \$5,195      | 353       |
| Private Seasonal | 1279      | 0.000 R&S                         | 10/23/20    |             | ECP Not               | Dip Rolling                   | High                    | _           | 24"         | 60        |         | 0           | 17       | 4          | 556        | \$15         | 353       |
|                  |           |                                   |             |             |                       | nerges from bank. Do not pu   | C                       | tion where  |             |           | ina h   |             |          |            |            |              |           |

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| 60.3015 13 Storm Proofed 4.  Ope 60.3015 13 Private Seasonal 22 road when | 1524 (cen culve<br>279<br>2790 ( | ert inlet<br>1.580 McCanl              | Alden<br>10/23/20 | 271 Pep      | Pep P0530407         | Solution CulvPlug                                                                   | Priority/Shedule       | Old Dia      | New [      | Dia Ln   |         | Right D     | Cat      | Labor     | Yds       | \$/FSD      | FSD Yds |
|---------------------------------------------------------------------------|----------------------------------|----------------------------------------|-------------------|--------------|----------------------|-------------------------------------------------------------------------------------|------------------------|--------------|------------|----------|---------|-------------|----------|-----------|-----------|-------------|---------|
| Storm Proofed 4.  Ope 60.3015 1: Private Seasonal 2: road whe not         | 1524 (cen culve<br>279<br>2790 ( | 0.000 R&S<br>ert inlet<br>1.580 McCanl | 10/23/20          | •            |                      | Culy -Pluo                                                                          |                        |              |            |          |         |             |          |           |           |             |         |
| Storm Proofed 4.  Ope 60.3015 1: Private Seasonal 2: road whe not         | 1524 (cen culve<br>279<br>2790 ( | 0.000 R&S<br>ert inlet<br>1.580 McCanl | 10/23/20          | •            |                      |                                                                                     | Storm Proofing         | II           |            | 0        | 0       | 0           | 3        | 0         | 0         | \$690       | 2       |
| Ope<br>  60.3015                                                          | 279                              | ert inlet<br>1.580 McCanl              |                   |              | ECP Not              | Culv. Maintenance                                                                   | Current                | -            | _          | 0        | Ü       | 0           | 3        | 0         | 0         | \$3         | 200     |
| 60.3015 1: Private Seasonal 2: road when not                              | 279<br>2790                      | 1.580 McCanl                           |                   |              |                      |                                                                                     |                        |              |            |          |         |             |          |           |           | 4.5         |         |
| roae<br>who<br>not                                                        |                                  |                                        | Alden             | 271 Pep      | Pep P0530407         | Humboldt                                                                            | Storm Proofing         | III          |            | 0        | 0       | 0           | 20       | 4         | 0         | \$6,542     | 20      |
| who<br>not                                                                | d crosse                         | ).000 R&S                              | 10/23/20          | 007          | ECP Not              | Culv. Install                                                                       | High                   | -            | 24"        | 60       |         | 0           | 21       | 13        | 556       | \$327       | 20      |
| 60 3015                                                                   | ere flow                         | is emerging                            | from ban          | k, rock arn  | our area were flow   | when flowing goes down<br>is emerging to prevent he<br>se it is causing erosion pro | ad cutting. As an alte | ernative ins |            |          |         |             |          |           |           |             |         |
| 00.5015                                                                   | 675                              | .600 Chidlaw                           | Chidlav           | v Maintena   | Maintenance          | Other                                                                               | Maintenance            | N/A          |            | 0        | 0       | 0           | 0        | 0         | 0         | \$437       | 0       |
| Private Seasonal 1                                                        | .675                             | 2.700 TE                               | 6/1/2001          |              | ECP Not              | R/W Treatment                                                                       | Medium                 | -            | -          | 0        |         | 0           | 0        | 15        | 0         | \$0         | 0       |
| Spr                                                                       | rayed pa                         | mpas grass w                           | ith 3 perc        | ent Round    | up + R11 (trace). Al | so treated near-road portion                                                        | ons of West Pepperw    | ood THP u    | ınits 1, 2 | , and 3, | record  | ed under l  | Intensiv | ve Silvio | culture f | or those un | its.    |
| 60.3015                                                                   | 278                              | .700 McCanl                            | Alden             | 06-163       | Sage                 | Other                                                                               | Storm Proofing         | N/A          |            | 0        | 0       | 0           | 0        | 0         | 0         | \$0         | 0       |
| Private Seasonal 12                                                       | 278                              | 0.000 R&S                              | 10/28/20          | 006          | ECP Not              | Dip Rolling                                                                         | Medium                 | -            | -          | 0        |         | 0           | 0        | 0         | 0         | \$0         | 0       |
|                                                                           | all swal                         |                                        | road no s         | wal e visibl | le below spur road l | eaves road at this point                                                            | construct rolling di   | ip across m  | ain road   | , one ac | ross sp | our into re | dwood    | clump ,   | and and   | other below | clump   |
| 60.3015                                                                   | 278                              | 1.700 McCanl                           | Alden             | 271 Pep      | Pep P0530407         | Other                                                                               | Storm Proofing         | N/A          |            | 0        | 0       | 0           | 0        | 0         | 0         | \$270       | 0       |
| Storm Proofed 2                                                           | 2789 (                           | 0.000 R&S                              | 10/28/20          | 006          | ECP Not              | Dip Rolling                                                                         | Medium                 | -            | -          | 0        |         | 0           | 3        | 0         | 0         | \$0         | 0       |
|                                                                           | all swal                         |                                        | road no s         | wal e visibi | le below spur road l | eaves road at this point                                                            | construct rolling di   | ip across m  | ain road   | , one ac | ross sp | our into re | dwood    | clump ,   | and and   | other below | clump   |
| 60.3015 2                                                                 | 2777                             | 1.720 Haschal                          | c Pehl            | 06-163       | Sage                 | Surface Drainage                                                                    | Maintenance            | N/A          |            | 0        | 0       | 0           | 1        | 0         | 0         | \$205       | 0       |
| Private Seasonal 2                                                        | 2777 (                           | 0.000 R&S                              | 11/7/200          | 16           | ECP Not              | Dip Rolling                                                                         | Medium Low             | -            | -          | 0        |         | 0           | 1        | 0         | 0         | \$0         | 0       |
|                                                                           |                                  | ng dip above                           |                   | cut.         |                      |                                                                                     |                        |              |            |          |         |             |          |           |           |             |         |
|                                                                           |                                  | 1.770 McCanl                           |                   | 06-163       | Sage                 | Fill - Road                                                                         | Storm Proofing         | III          |            | 0        | 0       | 0           | 0        | 0         | 0         | \$0         | 120     |
| Private Seasonal 12                                                       | 277 (                            | 0.000 R&S                              | 10/25/20          | 006          | ECP Not              | Excavate Soil                                                                       | High                   | 24"          | -          | 0        |         | 0           | 0        | 0         | 120       | \$0         | 120     |
|                                                                           |                                  |                                        |                   |              | 24" cmp with down    | spout detached and no C                                                             |                        | -            | pe road t  |          |         | •           |          |           |           |             |         |
|                                                                           |                                  | 1.770 McCanl                           |                   |              | Sage                 | Fill - Road                                                                         | Storm Proofing         | N/A          |            | 0        | 0       | 0           | 0        | 0         | 0         | \$0         | 444     |
| Private Seasonal 12                                                       | 274                              | 1.820 R&S                              | 10/25/20          | 006          | ECP Not              | Excavate Soil                                                                       | High                   | -            | -          | 0        |         | 0           | 0        | 0         | 444       | \$0         | 355     |
| Thi                                                                       | is area e                        | xtends from 1                          | .277 almo         | ost to 1273. | Excavate any unsta   | ble fill and use to outslop                                                         | e road or endhaul to   | right to spo | oil site.  |          |         |             |          |           |           |             |         |
|                                                                           |                                  | 1.770 McCanl                           |                   |              | Pep P0530407         | Fill - Road                                                                         | Storm Proofing         | III          |            | 0        | 0       | 0           | 3        | 0         | 0         | \$615       | 120     |
|                                                                           |                                  | 0.000 R&S                              |                   |              | ECP Not              | Excavate Soil                                                                       | High                   | 24"          | 24"        | 0        |         | 0           | 3        | 0         | 120       | \$5         | 120     |
|                                                                           |                                  |                                        |                   |              | •                    | spout detached and no C                                                             |                        |              | pe road t  |          |         | •           |          |           |           |             |         |
|                                                                           |                                  | 1.770 McCanl                           |                   |              | Pep P0530407         | Fill - Road                                                                         | Storm Proofing         | N/A          |            | 0        | 0       | 0           | 8        | 0         | 0         | \$1,789     | 444     |
|                                                                           |                                  | 1.820 R&S                              |                   |              | ECP Not              | Excavate Soil                                                                       | High                   | -            | -          | 0        |         | 0           | 8        | 3         | 444       | \$5         | 355     |
|                                                                           |                                  |                                        |                   |              | •                    | ble fill and use to outslop                                                         |                        |              | oil site.  |          |         |             |          |           |           |             |         |
|                                                                           |                                  | 1.790 McCanl                           |                   | 06-163       | Sage                 | CulvHDP                                                                             | Storm Proofing         | III          |            | 0        | 0       | 0           | 0        | 0         | 0         | \$0         | 0       |
|                                                                           |                                  | 0.000 R&S                              |                   |              | ECP Not              | Dip Critical                                                                        | High                   | 24"          | -          | 0        |         | 0           | 0        | 0         | 0         | \$0         | 0       |
|                                                                           |                                  | dip right hin                          | •                 |              | D D052046-           | C.I. VIDD                                                                           | G. D. G                | ***          |            |          |         |             |          |           |           | 000-        |         |
|                                                                           |                                  | 1.790 McCanl                           |                   | 1            | Pep P0530407         | CulvHDP                                                                             | Storm Proofing         | III          |            | 0        | 0       | 0           | 1        | 0         | 0         | \$205       | 0       |
|                                                                           |                                  | ).000 R&S<br>I <b>dip right hin</b>    |                   |              | ECP Not              | Dip Critical                                                                        | High                   | 24"          | 24"        | 0        |         | 0           | 1        | 0         | 0         | \$0         | 0       |

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| Road #           | GIS#        | Mile Plan        | Final      | THP#          | THP Name                         | Problem                      | Repair Type           | Cr. Class   | ; <u> </u> | RCs F            | Rock        | Left D       | Exca. | Truck | Gra. | Cost         | Total Yds |
|------------------|-------------|------------------|------------|---------------|----------------------------------|------------------------------|-----------------------|-------------|------------|------------------|-------------|--------------|-------|-------|------|--------------|-----------|
| Road Class       | ID#         | End Crew         | Done       | Rd Pt         | ECP Number                       | Solution                     | Priority/Shedule      | Old Dia     | New D      | a Ln             |             | Right D      | Cat   | Labor | Yds  | \$/FSD       | FSD Yds   |
| 60.3015          | 1275        | 1.800 McCan      | 1 Alden    | 06-163        | Sage                             | CulvHDP                      | Storm Proofing        | III         |            | 0                | 0           | 0            | 0     | 0     | 0    | \$0          | 0         |
| Private Seasonal | 1275        | 0.000 R&S        | 10/25/20   |               | ECP Not                          | Dip Critical                 | High                  | 18"         | _          | 0                | Ü           | 0            | 0     | 0     | 0    | \$0          | 0         |
|                  |             | al dip right hir |            |               |                                  | 1                            | 8                     |             |            |                  |             |              |       |       |      |              |           |
| 60.3015          | 1275        | 1.800 McCan      | •          | 271 Pep       | Pep P0530407                     | CulvHDP                      | Storm Proofing        | III         |            | 0                | 0           | 0            | 0     | 0     | 0    | \$90         | 0         |
| Storm Proofed    | 2786        | 0.000 R&S        | 10/25/20   | 06            | ECP Not                          | Dip Critical                 | High                  | 18"         | 18"        | 0                |             | 0            | 1     | 0     | 0    | \$0          | 0         |
|                  | add critic  | al dip right hir | ige        |               |                                  |                              |                       |             |            |                  |             |              |       |       |      |              |           |
| 60.3015          | 1273        | 1.830 McCan      | l Alden    | 271 Pep       | Pep P0530407                     | Fill - Road                  | Storm Proofing        | N/A         |            | 0                | 0           | 0            | 6     | 18    | 0    | \$2,274      | 583       |
| Private Seasonal | 2784        | 1.850 R&S        | 10/25/20   | 06            | ECP Not                          | Excavate Soil                | High                  | -           | -          | 0                |             | 0            | 3     | 0     | 583  | \$5          | 437       |
|                  | road fill f | ailure extendir  | ng thru sw | ale on 90%    | slopes, excavate                 | endhaul to right to spur dov | vn ridge and use to o | utslope roa | d. Add ro  | lling di         | p at s      | wale.        |       |       |      |              |           |
| 60.3015          | 1273        | 1.830 McCan      | l Alden    | 06-163        | Sage                             | Fill - Road                  | Storm Proofing        | N/A         |            | 0                | 0           | 0            | 0     | 0     | 0    | \$0          | 0         |
| Private Seasonal | 1273        | 1.850 R&S        | 10/25/20   | 08            | ECP Not                          | Excavate Soil                | High                  | -           | -          | 0                |             | 0            | 0     | 0     | 583  | \$0          | 0         |
|                  |             |                  |            |               | slopes, excavate                 | endhaul to right to spur dov | vn ridge and use to o | utslope roa | d. Add ro  | lling di         | p at s      | wale.        |       |       |      |              |           |
| _                |             | under Pepper     |            |               | D D0520405                       | D: D !!!                     | G. D. G               | 27/1        |            |                  |             |              |       |       |      | 00.12        | 1.00      |
| 60.3015          | 1272        | 1.930 McCan      |            |               | Pep P0530407                     | Dip Rolling                  | Storm Proofing        | N/A         |            | 0                | 0           | 0            | 5     | 1     | 0    | \$943        | 160       |
| Storm Proofed    | 2783        | 0.000 R&S        |            |               | ECP Not                          | Excavate Soil                | Medium                | -           | -          | 0                |             | 0            | 3     | 1     | 0    | \$12         | 80        |
|                  | •           |                  |            | • •           | gully thru fill .                | Excavate fill around outle   |                       | <u> </u>    | rolling    | -                |             |              |       |       | 0    | #00 <i>5</i> | 260       |
| 60.3015          | 1271        | 1.950 McCan      |            | •             | Pep P0530407                     | Cut Bank Failure             | Storm Proofing        | N/A         |            | 0                | 0           | 0            | 4     | 4     | 0    | \$895        | 260       |
| Storm Proofed    | 2782        | 0.000 R&S        |            |               | ECP Not                          | Excavate Soil                | Medium                | -           | -          | 0                |             | 0            | 2     | 0     | 260  | \$0          | 0         |
|                  |             |                  |            |               | cavate endhaul to                | •                            | C4 D £                | NT/A        |            | 0                | 0           | 0            | 0     | 0     | 0    | \$0          | 1.00      |
| 60.3015          | 1272        | 1.960 McCan      | 10/24/20   | 06-163        | Sage                             | Dip Rolling                  | Storm Proofing        | N/A         |            | 0                | 0           | 0            | 0     | 0     | 0    | \$0<br>\$0   | 160       |
| Private Seasonal | 1272        |                  |            |               | ECP Not                          | Excavate Soil                | Medium                | -           | -<br>      |                  |             |              | -     | U     | U    | \$0          | 80        |
| 60.3015          | 1270        | 1.970 McCan      |            | • •           | l gully thru fill . Pep P0530407 | Excavate fill around outle   | Storm Proofing        | N/A         | roning c   | n <b>p and a</b> | armou<br>() | ır outiet ar | 13    | 11    | 0    | \$2,815      | 625       |
| Storm Proofed    | 2781        | 0.000 R&S        |            |               | ECP Not                          | Excavate Soil                | High                  | 18"         |            | 0                | U           | 0            | 6     | 0     | 625  | \$2,813      | 563       |
|                  |             |                  |            |               |                                  | ope road thru swale, clean   | C                     | 10          | -          | U                |             | U            | O     | U     | 023  | φυ           | 303       |
| 60.3015          | 1271        | 2.020 McCan      |            |               | Sage                             | Cut Bank Failure             | Storm Proofing        | N/A         |            | 0                | 0           | 0            | 0     | 0     | 0    | \$0          | 260       |
| Private Seasonal | 1271        |                  | 10/23/20   |               | ECP Not                          | Excavate Soil                | Medium                | -           | _          | 0                | Ü           | 0            | 0     | 0     | 260  | \$0<br>\$0   | 0         |
|                  |             |                  |            |               | cavate endhaul to                |                              | Wiedium               |             |            | O                |             | O            | Ü     | V     | 200  | ΨΟ           | V         |
| 60.3015          | 1270        | 2.030 McCan      |            | 06-163        | Sage                             | Fill - Road                  | Storm Proofing        | N/A         |            | 0                | 0           | 0            | 0     | 0     | 0    | \$0          | 625       |
| Private Seasonal | 1270        |                  | 10/19/20   |               | ECP Not                          | Excavate Soil                | High                  | 18"         | _          | 0                | Ü           | 0            | 0     | 0     | 625  | \$0          | 563       |
|                  |             |                  |            |               |                                  | ope road thru swale, clean   | C                     | 10          |            |                  |             | Ü            | Ü     |       | 020  | <b>4</b> 0   | 202       |
| 60.3015          | 4225        | 2.050 Alden      |            | 271 Pep       | Pep P0530407                     | Culv.                        | Storm Proofing        | III         |            | 0                | 0           | 0            | 13    | 3     | 0    | \$4,580      | 100       |
| Storm Proofed    | 4225        | 0.000 R&S        | 5/31/200   | •             | ECP Not                          | Culv. Install                | Medium                | -           | 24"        | 60               |             | 0            | 15    | 10    | 100  | \$46         | 100       |
|                  | Class III   | now caught in    | ditch gets | its own cu    | lvert.                           |                              |                       |             |            |                  |             |              |       |       |      |              |           |
| 60.3015          | 4225        | 2.050 Alden      |            | 271 Pep       | Pep P0530407                     | CulvPlug                     | Storm Proofing        | III         |            | 0                | 0           | 0            | 1     | 0     | 0    | \$115        | 1         |
| Storm Proofed    | 4526        | 0.000 R&S        | 7/13/200   | -             | ECP Not                          | Culv. Maintenance            | Current               | _           | -          | 0                |             | 0            | 0     | 0     | 0    | \$115        | 1         |
|                  | Clean ou    | t culvert inlet. | Make sur   | e if it plugs | again water runs o               | lown to next culvert.        |                       |             |            |                  |             |              |       |       |      |              |           |
| 60.3015          | 4225        | 2.050 Alden      | Pehl       | Maintena      |                                  | CulvPlug                     | Storm Proofing        | III         |            | 0                | 0           | 0            | 1     | 0     | 0    | \$121        | 1         |
| Storm Proofed    | 5284        | 0.000 R&S        | 8/28/200   | 9             | ECP Not                          | Culv. Maintenance            | Current               | -           | -          | 0                |             | 0            | 0     | 0     | 0    | \$121        | 1         |
|                  | Clean ou    | t culvert inlet. | The water  | r has stayed  | l in the inside ditch            | and gone to the next culve   | rt. No delivery       |             |            |                  |             |              |       |       |      |              |           |
|                  |             |                  |            |               |                                  | <del>-</del>                 | •                     |             |            |                  |             |              |       |       |      |              |           |

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| Road #           | GIS#       | Mile Plan           | Final       | THP#         | THP Name                | Problem                                               | Repair Type           | Cr. Class    | . 1        | DRCs I    | Pock    | Left D      | Exca.    | Truck   | Gra.      | Cost    | Total Yds |
|------------------|------------|---------------------|-------------|--------------|-------------------------|-------------------------------------------------------|-----------------------|--------------|------------|-----------|---------|-------------|----------|---------|-----------|---------|-----------|
| Road Class       | ID#        | End Crew            | Done        |              | ECP Number              | Solution                                              | Priority/Shedule      |              |            |           | TOCK    | Right D     | Cat      | Labor   |           | \$/FSD  | FSD Yds   |
|                  |            |                     |             |              |                         |                                                       | Filolity/Siledule     |              | INEW L     |           |         |             |          |         |           |         |           |
| 60.3015          | 1269       | 2.210 McCanl        |             | 06-163       | Sage                    | Fill - Road                                           | Storm Proofing        | N/A          |            | 0         | 0       | 0           | 0        | 0       | 0         | \$0     | 304       |
| Private Seasonal | 1269       |                     | 10/19/20    |              | ECP Not                 | Excavate Soil                                         | Medium                | -            | -          | 0         |         | 0           | 0        | 0       | 304       | \$0     | 91        |
| -                |            |                     |             |              | an fill to outslope roa |                                                       |                       |              |            |           |         |             |          |         |           |         |           |
| 60.3015          | 1269       | 2.210 McCanl        |             |              | Pep P0530407            | Fill - Road                                           | Storm Proofing        | N/A          |            | 0         | 0       | 0           | 4        | 0       | 0         | \$628   | 304       |
| Storm Proofed    | 2780       | 0.000 R&S           | 10/19/20    | 06           | ECP Not                 | Excavate Soil                                         | Medium                | -            | -          | 0         |         | 0           | 3        | 0       | 304       | \$7     | 91        |
|                  |            |                     |             |              | an fill to outslope roa |                                                       |                       |              |            |           |         |             |          |         |           |         |           |
| 60.3015          | 900        | 2.400 McCanl        |             |              | Storm Proofing          | Surface Drainage                                      | Storm Proofing        | N/A          |            | 0         | 0       | 0           | 0        | 0       | 0         | \$0     | 1,137     |
| Storm Proofed    | 900        | 4.725 ME            | 5/1/2000    |              | ECP Not                 | Other                                                 | Medium                | -            | -          | 0         |         | 0           | 0        | 0       | 0         | \$0     | 1,137     |
| 60.3015          | 2718       | 2.400 Pehl          | Pehl        | 03-089       | Primrose                | No Problem                                            | THP Maint Insp        | N/A          |            | 0         | 0       | 0           | 0        | 0       | 0         | \$0     | 0         |
| Private Seasonal | 2718       | 3.250 Unk           | 1/4/2006    |              | ECP Not                 | No Action                                             | No Action             | -            | -          | 0         |         | 0           | 0        | 0       | 0         | \$0     | 0         |
|                  | Winter In  | spection. Culv      | erts okay   | •            |                         |                                                       |                       |              |            |           |         |             |          |         |           |         |           |
| 60.3015          | 1226       | 2.550 McCanl        | l Alden     | Storm Pro    | Storm Proofing          | Surface Drainage                                      | Storm Proofing        | N/A          |            | 0         | 0       | 0           | 35       | 8       | 0         | \$6,220 | 0         |
| Private Seasonal | 1226       | 2.900 ME            | 1/19/200    | 1            | ECP Not                 | Dip Rolling                                           | Medium                | -            | -          | 0         |         | 0           | 23       | 5       | 0         | \$0     | 0         |
| 60.3015          | 256        | 2.750 Heath         | Alden       | 99-282       | Bailey                  | Surface Drainage                                      | THP Recon.            | N/A          |            | 0         | 0       | 0           | 0        | 0       | 0         | \$0     | 0         |
| Private Perm.    | 256        | 3.220 ME            | 6/6/2000    |              | ECP Not                 | Dip Rolling                                           | Medium                | -            | -          | 0         |         | 0           | 0        | 0       | 0         | \$0     | 0         |
|                  | Start at i | ntersection and     | outslope    | road to next | intersection mile pos   | t 4.0. Out slope road wi                              | th rolling dips to im | prove over   | all draina | ige of th | is roa  | d segment   |          |         |           |         |           |
| 60.3015          | 257        | 2.850 Heath         | Alden       | 99-282       | Bailey                  | Surface Drainage                                      | THP Not               | III          |            | 0         | 0       | 0           | 0        | 0       | 0         | \$736   | 0         |
| Private Perm.    | 257        | $0.000~\mathrm{ME}$ | 6/6/2000    |              | ECP Not                 | Culv. Install                                         | Medium                | 24"          | 24"        | 40        |         | 0           | 0        | 0       | 0         | \$0     | 0         |
|                  | Spring at  | draw overflow       | s onto ro   | ad causing v | vet spot and rutting in | soft clay road surface.                               | Install 24"cmp 40' to | o drain.     |            |           |         |             |          |         |           |         |           |
| 60.3015          | 257        | 2.850 McCanl        | l Alden     | Storm Pro    | Storm Proofing          | Inside ditch                                          | Weather Damage        | N/A          |            | 0         | 0       | 0           | 0        | 1       | 0         | \$225   | 0         |
| Private Seasonal | 861        | $0.000~\mathrm{ME}$ | 6/6/2000    |              | ECP Not                 | Dip Critical                                          | Medium                | -            | -          | 0         |         | 0           | 2        | 0       | 0         | \$0     | 0         |
|                  | spring flo | ow from cutban      | k collecti  | ng in IBD ,  | flowing right 250' th   | en exiting over OBR.                                  | Treat: install rock   | ed rolling d | lip        |           |         |             |          |         |           |         |           |
| 60.3015          | 862        | 2.880 McCanl        | l Alden     | Storm Pro    | Storm Proofing          | CulvHDP-Plug                                          | Storm Proofing        | III          |            | 0         | 0       | 0           | 1        | 0       | 0         | \$200   | 0         |
| Private Seasonal | 862        | $0.000~\mathrm{ME}$ | 6/6/2000    |              | ECP Not                 | Dip Critical                                          | Medium                | 18"          | -          | 0         |         | 0           | 1        | 0       | 0         | \$0     | 0         |
|                  | A 18" cr   | np on a dry clas    | ss 3 , outl | et is buried | with slash. Treat: cl   | ean inlet and outlet may                              | need to replace, in   | stall CD rig | ht hinge   |           |         |             |          |         |           |         |           |
| 60.3015          | 863        | 2.890 McCanl        | l Alden     | Storm Pro    | Storm Proofing          | Fill - Road                                           | Storm Proofing        | N/A          |            | 0         | 0       | 0           | 2        | 4       | 0         | \$710   | 215       |
| Private Seasonal | 863        | $0.000~\mathrm{ME}$ | 6/6/2000    |              | ECP Not                 | Excavate Soil                                         | Medium                | -            | -          | 0         |         | 0           | 2        | 2       | 215       | \$7     | 108       |
|                  | perched 1  | roadfill on steep   | slopes o    | ver class 3  | swale. Treat: excav     | ate and endhaul.                                      |                       |              |            |           |         |             |          |         |           |         |           |
| 60.3015          | 258        | 2.950 McCanl        | l Alden     | Storm Pro    | Storm Proofing          | Culv.                                                 | Weather Damage        | III          |            | 0         | 0       | 0           | 1        | 0       | 0         | \$195   | 0         |
| Private Seasonal | 864        | $0.000~\mathrm{ME}$ | 6/6/2000    |              | ECP Not                 | Ditch - Clean                                         | Medium                | 24"          | -          | 0         |         | 0           | 0        | 3       | 0         | \$0     | 0         |
|                  |            |                     |             |              |                         | hole, cmp shallow and l<br>bare soil. Entire fill slo |                       | O' of DS. So | me surfa   | ice flow  | draini  | ing over O  | BF cau   | using 1 | yrd of er | rosion. | Treat     |
| 60.3015          | 258        | 2.950 Heath         | Alden       | 99-282       | Bailey                  | Fill - Road                                           | THP Recon.            | N/A          |            | 0         | 0       | 0           | 0        | 0       | 0         | \$0     | 0         |
| Private Perm.    | 258        | 0.000 ME            | 6/6/2000    |              | ECP Not                 | Other                                                 | High                  | 24"          | -          | 0         |         | 0           | 0        | 0       | 0         | \$0     | 0         |
|                  | Bare fill  | leading into cul    | lvert outle | t is causing | minor sedimentation     | to class III draw. Seed                               | and mulch bare fill a | and road ov  | er culve   | t interse | ction   | for 50 feet | t either | side.   |           |         |           |
| 60.3015          | 865        | 2.990 McCanl        |             |              | Storm Proofing          | Other                                                 | Storm Proofing        | III          |            | 0         | 0       | 0           | 0        | 1       | 0         | \$225   | 0         |
| Private Seasonal | 865        | 0.000 ME            | 6/6/2000    |              | ECP Not                 | Dip Critical                                          | Medium                | _            | _          | 0         |         | 0           | 2        | 0       | 0         | \$0     | 0         |
|                  |            |                     |             |              | no flow , just during   | peak events, also spring                              |                       | vale below   | road.      | Trea      | at: ins | tall rocke  | d rollin | g dio . |           |         |           |
| 60.3015          | 132        | 3.000 Kelly         | Kelly       | Maintena     | Maintenance             | Surface Drainage                                      | Maintenance           | N/A          |            | 0         | 0       | 0           | 0        | 0       | 0         | \$1,020 | 0         |
| Private Seasonal | 132        | 0.000 Unk           | 2/3/1999    |              | ECP Not                 | Other                                                 | Medium                | -            | -          | 0         |         | 0           | 6        | 0       | 0         | \$0     | 0         |
|                  | _          |                     |             |              |                         |                                                       |                       |              |            |           |         |             |          |         | -         |         |           |

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| Road #           | GIS#     | Mile Plan                            | Final       | THP#         | THP Name               | Problem                   | Repair Type            | Cr. Clas      | s         | DRCs F     | Rock    | Left D      | Exca.     | Truck     | Gra.      | Cost           | Total Yds |
|------------------|----------|--------------------------------------|-------------|--------------|------------------------|---------------------------|------------------------|---------------|-----------|------------|---------|-------------|-----------|-----------|-----------|----------------|-----------|
| Road Class       | ID#      | End Crew                             | / Done      | Rd Pt        | ECP Number             | Solution                  | Priority/Shedule       | Old Dia       | New       | Dia Ln     |         | Right D     | Cat       | Labor     | Yds       | \$/FSD         | FSD Yds   |
| 60.3015          | 1374     | 3.000 McCar                          | nl Alden    | Storm Pro    | Storm Proofing         | Surface Drainage          | Storm Proofing         | N/A           |           | 0          | 0       | 0           | 8         | 0         | 0         | \$1,275        | 0         |
| Private Seasonal | 1374     | 3.800 ME                             | 1/22/2001   |              | ECP Not                | Dip Rolling               | Medium                 | -             | _         | 0          | O       | 0           | 6         | 0         | 0         | \$0            | 0         |
| 60.3015          | 259      | 3.050 Heath                          | 1/22/200    | Maintena     | Maintenance            | Culv.                     | THP Recon.             | III           |           | 0          | 0       | 0           | 0         | 0         | 0         | \$0            | 0         |
| Private Perm.    | 259      | 0.000 Unk                            | 6/15/2000   |              | ECP Not                | Culv. Replace             | Medium                 | -             | _         | 0          | Ü       | 0           | 0         | 0         | 0         | \$0            | 0         |
|                  |          |                                      |             |              |                        | ill has caused sediment   |                        | stall 50 fee  | t of 24"  | -          | nlace l | -           | •         | v         | -         | * -            |           |
|                  | and com  |                                      | rade-up to  | -            |                        | with seed and mulch.      |                        |               |           |            |         |             |           |           |           |                |           |
| 60.3015          | 259      | 3.050 McCar                          | nl Alden    | Storm Pro    | Storm Proofing         | Fill - Road               | Weather Damage         | III           |           | 0          | 0       | 0           | 21        | 28        | 0         | \$6,054        | 106       |
| Private Seasonal | 867      | $0.000~\mathrm{ME}$                  | 6/15/2000   | 0            | ECP Not                | Excavate Soil             | High                   | 24"           | 24"       | 40         |         | 0           | 15        | 10        | 622       | \$57           | 106       |
|                  |          |                                      |             |              |                        | ruct a, close to vertica  |                        |               |           |            |         |             |           |           |           |                |           |
|                  |          |                                      |             |              |                        | fill torrenting down cla  |                        |               |           |            |         |             |           |           |           |                |           |
|                  |          | sut no flow pre<br>I to left to spoi |             | riow emer    | ging 100' below cross  | ing. Treat: lower road    | 15' replace cmp with   | n 24" cmp v   | with dov  | vn spout , | ınsıoj  | e road o    | ver cros  | ssing. Se | ed and    | muich entii    | e area    |
| 60.3015          | 868      |                                      |             | Storm Pro    | Storm Proofing         | Fill - Landing            | Storm Proofing         | N/A           |           | 0          | 0       | 0           | 4         | 0         | 0         | \$710          | 444       |
| Private Seasonal | 868      | 0.000 ME                             | 6/16/2000   | 0            | ECP Not                | Excavate Soil             | Medium                 | _             | _         | 0          |         | 0           | 3         | 1         | 444       | \$5            | 133       |
|                  | Pot. Lar | ding fill failur                     | e around he | eadwall of   | class 3 swale. Landing | g slash piled up live tre | es 15' . Channel belo  | w 75'. Tr     | eat : exc | avate fill | and p   | ısh spoils  | to righ   | ıt up ski | d betwe   | en roads.      |           |
| 60.3015          | 869      | 3.520 McCar                          | nl Alden    | Storm Pro    | Storm Proofing         | Fill - Road               | Storm Proofing         | N/A           |           | 0          | 0       | 0           | 2         | 0         | 0         | \$173          | 125       |
| Private Seasonal | 869      | $0.000~\mathrm{ME}$                  | 6/14/2000   | 0            | ECP Not                | Excavate Soil             | Medium                 | -             | -         | 0          |         | 0           | 0         | 0         | 125       | \$0            | 0         |
|                  | Pot. Roa | dfill failure on                     | 75% to 85%  | % slopes , s | lopes are well covered | wth oaks and conifirs     | , no delivery from sit | te. Treat:    | excava    | e and sto  | re spoi | ils at wide | e area a  | bove cu   | tbank.    |                |           |
| 60.3015          | 4390     | 3.780 Alden                          | Alden       | RobRds       | Robinson SB271         | No Problem                | Maintenance            | N/A           |           | 0          | 0       | 0           | 36        | 0         | 0         | \$6,288        | 0         |
| Private Seasonal | 4390     | 0.000~R&S                            | 11/5/201    | 1            | ECP Not                | Rock Pit                  | Medium                 | -             | -         | 0          |         | 0           | 24        | 1         | 0         | \$0            | 0         |
|                  |          | ridge top pit.<br>int 5690) is mu    |             | ow how big   | g it is. We worked thi | s pit for several days ir | 2011 and it did not    | produce m     | uch rock  | . Do not   | dig he  | re again i  | it is a w | aste of   | time. T   | he pit up th   | e road    |
| 60.3015          | 870      | 4.060 McCar                          | nl Alden    | Storm Pro    | Storm Proofing         | Fill - Road               | Storm Proofing         | III           |           | 0          | 0       | 0           | 1         | 0         | 0         | \$115          | 44        |
| Private Seasonal | 870      | 0.000 ME                             | 6/14/2000   | 0            | ECP Not                | Excavate Soil             | High                   | -             | -         | 0          |         | 0           | 0         | 0         | 44        | \$26           | 4         |
|                  |          | directed into o                      |             | , slash and  | spoil pushed 40' dow   | n swale, well defined     | channel below spoil,   | no flow in    | class 3   | . 7        | reat:   | excavate    | fill and  | i slash   | from out  | tlet , use cle | an        |
| 60.3015          | 1383     | 4.725 Alden                          | Alden       | Storm Pro    | Storm Proofing         | Surface Drainage          | Maintenance            | N/A           |           | 0          | 0       | 0           | 36        | 2         | 0         | \$6,855        | 232       |
| Storm Proofed    | 1383     | 5.200 ME                             | 3/1/2001    |              | ECP Not                | Dip Rolling               | Medium                 | -             | -         | 0          |         | 0           | 36        | 0         | 0         | \$30           | 232       |
| 60.301501        | 902      | 0.000 McCar                          | nl Alden    | Storm Pro    | Storm Proofing         | Surface Drainage          | Storm Proofing         | N/A           |           | 0          | 0       | 0           | 1         | 0         | 0         | \$265          | 98        |
| Upgraded         | 902      | 0.200 ME                             | 5/1/2000    |              | ECP Not                | Dip Rolling               | Medium                 | -             | -         | 0          |         | 0           | 2         | 0         | 0         | \$3            | 98        |
| 60.301501        | 269      | 0.000 Heath                          | Pehl        | 99-282       | Bailey                 | Surface Drainage          | THP Recon.             | N/A           |           | 0          | 0       | 0           | 0         | 0         | 0         | \$0            | 0         |
| Private Perm.    | 269      | 0.200 Unk                            | 7/1/2000    |              | ECP Not                | Other                     | High                   | -             | -         | 0          |         | 0           | 0         | 0         | 0         | \$0            | 0         |
|                  | Road seg | memt to inters                       | ection witl | h 60.30150   | 120 has drainage failu | re which has caused gu    |                        | g dips whe    | re feasib | le or wate | r bars  | to contro   | ol surfa  | ce drain  | age.      |                |           |
| 60.301501        | 5412     | 0.000 Hascha                         | ak Pehl     | 10-081       | Juniper                | Dip Rolling               | THP App. Rd.           | III           |           | 0          | 0       | 0           | 0         | 0         | 0         | \$0            | 0         |
| Private Seasonal | 5412     | 0.000 Unk                            | 10/15/20    | 14           | ECP Not                | Dip Rolling               | Medium                 | -             | -         | 0          |         | 0           | 0         | 0         | 0         | \$0            | 0         |
|                  |          | rolling dip so<br>wn from upslo      |             |              |                        | s III barely extends abo  | ve road and this is no | ot a critical | issue as  | outslope   | d road  | seems to    | be wo     | rking wo  | ell but s | ome water      | nay       |
| 60.301501        | 5339     | 0.210 Alden                          | Alden       | 50 Gro       | Groshong Prop 50       | Surface Drainage          | Assessment             | N/A           |           | 0          | 0       | 0           | 29        | 0         | 0         | \$8,926        | 288       |
| Storm Proofed    | 5339     | 0.800 R&S                            | 9/15/2009   | 9            | ECP Not                | Tip and Dip               | Medium                 | -             | -         | 0          |         | 0           | 31        | 2         | 0         | \$31           | 288       |
|                  |          |                                      |             |              |                        |                           |                        |               |           |            |         |             |           |           |           |                |           |

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| Road #                      | GIS#                                     | Mile Plan                                            | Final                                       | THP#                                   | THP Name                                              | Problem                                                       | Repair Type                                  | Cr. Clas     |              | DRCs       | Rock    | Left D     |         | Truck    | Gra.     | Cost          | Total Yds |
|-----------------------------|------------------------------------------|------------------------------------------------------|---------------------------------------------|----------------------------------------|-------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------|--------------|--------------|------------|---------|------------|---------|----------|----------|---------------|-----------|
| Road Class                  | ID#                                      | End Crew                                             | Done                                        | Rd Pt                                  | ECP Number                                            | Solution                                                      | Priority/Shedule                             | Old Dia      | New          | Dia Ln     |         | Right D    | Cat     | Labor    | Yds      | \$/FSD        | FSD Yds   |
| 60.301501                   | 5340                                     | 0.500 Alden                                          | Alden                                       | 50 Gro                                 | Groshong Prop 50                                      | Cut Bank Failure                                              | Assessment                                   | N/A          |              | 0          | 0       | 0          | 0       | 0        | 0        | \$135         | 0         |
| Storm Proofed               | 5340                                     | 0.000 R&S                                            | 9/16/200                                    | 9                                      | ECP Not                                               | Ramp over                                                     | Low                                          | -            | -            | 0          |         | 0          | 1       | 0        | 0        | \$0           | 0         |
|                             | Ramp ov                                  | er.                                                  |                                             |                                        |                                                       |                                                               |                                              |              |              |            |         |            |         |          |          |               |           |
| 60.301501                   | 5341                                     | 0.670 Alden                                          | Alden                                       | 50 Gro                                 | Groshong Prop 50                                      | Temp. Crossing                                                | Assessment                                   | III          |              | 0          | 10      | 0          | 3       | 3        | 0        | \$1,260       | 20        |
| Storm Proofed               | 5341                                     | 0.000 R&S                                            | 9/16/200                                    | 9                                      | ECP Not                                               | Armored Ford                                                  | Medium                                       | -            | RkFd         | 0          |         | 0          | 2       | 4        | 0        | \$63          | 20        |
|                             | Small cla                                | ass III. Rock ar                                     | mor outlet                                  |                                        |                                                       |                                                               |                                              |              |              |            |         |            |         |          |          |               |           |
| 60.301501                   | 5358                                     | 0.710 Alden                                          | Alden                                       | 50 Gro                                 | Groshong Prop 50                                      | Temp. Crossing                                                | Assessment                                   | III          |              | 0          | 10      | 0          | 2       | 2        | 0        | \$835         | 20        |
| Storm Proofed               | 5358                                     | 0.000 R&S                                            | 9/16/200                                    | 9                                      | ECP Not                                               | Armored Ford                                                  | Medium                                       | -            | RkFd         | 0          |         | 0          | 2       | 4        | 0        | \$42          | 20        |
|                             | Small cla                                | ass III. Rock ar                                     | mor outlet                                  | •                                      |                                                       |                                                               |                                              |              |              |            |         |            |         |          |          |               |           |
| 60.301501                   | 5342                                     | 0.800 Alden                                          | Alden                                       | 50 Gro                                 | Groshong Prop 50                                      | Temp. Crossing                                                | Assessment                                   | II           |              | 0          | 0       | 0          | 5       | 5        | 0        | \$2,275       | 400       |
| Storm Proofed               | 5342                                     | 0.000 R&S                                            | 9/16/200                                    | 9                                      | ECP Not                                               | Remove Crossing                                               | Medium                                       | -            | Pull         | 0          |         | 0          | 5       | 4        | 600      | \$6           | 400       |
|                             | Small cla                                | ass II dig out to                                    | p to botto                                  | m. Spoil m                             | aterial locally                                       |                                                               |                                              |              |              |            |         |            |         |          |          |               |           |
| 60.3015012                  | 903                                      | 0.000 McCan                                          | l Alden                                     | Storm Pro                              | Storm Proofing                                        | Surface Drainage                                              | Storm Proofing                               | N/A          |              | 0          | 0       | 0          | 2       | 0        | 0        | \$380         | 196       |
| Upgraded                    | 903                                      | 0.400 ME                                             | 5/1/2000                                    |                                        | ECP Not                                               | Dip Rolling                                                   | Medium                                       | -            | -            | 0          |         | 0          | 2       | 0        | 0        | \$2           | 196       |
| 60.3015012                  | 264                                      | 0.000 Heath                                          | Kelly                                       | 99-282                                 | Bailey                                                | Surface Drainage                                              | THP Recon.                                   | N/A          |              | 0          | 0       | 0          | 0       | 0        | 0        | \$0           | 0         |
| Private Perm.               | 264                                      | 0.100 Unk                                            | 7/1/2000                                    |                                        | ECP Not                                               | Other                                                         | High                                         | -            | -            | 0          |         | 0          | 0       | 0        | 0        | \$0           | 0         |
|                             |                                          |                                                      |                                             |                                        |                                                       | egement of road follow                                        |                                              |              |              | ter period | l. Cor  | nstruct wa | ter bar | spacing  | to extre | me EHR in     | tervals   |
| 60.201.5012                 |                                          | <u> </u>                                             |                                             |                                        |                                                       | ns at either end of road                                      |                                              |              | Э.           |            | -       |            | 1.0     |          |          | A2.716        | 106       |
| 60.3015012                  | 5356                                     | 0.000 Alden                                          | Alden                                       |                                        | Groshong Prop 50                                      | Surface Drainage                                              | Assessment                                   | N/A          |              | 0          | 0       | 0          | 10      | 0        | 0        | \$3,516       | 196       |
| Storm Proofed               | 5356                                     | 0.400 R&S                                            | 9/11/200                                    |                                        | ECP Not                                               | Tip and Dip                                                   | Medium                                       | -            | -            | 0          |         | 0          | 14      | 0        | 0        | \$18          | 196       |
| 60.3015012                  | 265                                      | 0.180 Heath                                          | Kelly                                       | 99-282                                 | Bailey                                                | Stream Bank                                                   | THP Recon.                                   | III          |              | 0          | 0       | 0          | 0       | 0        | 0        | \$0           | 0         |
| Private Perm.               | 265                                      | 0.000 Unk                                            | 7/1/2000                                    |                                        | ECP Not                                               | Remove Crossing                                               | High                                         | 24"          | Pull         | 0          |         | 0          | 0       | 0        | 0        | \$0           | 0         |
|                             |                                          |                                                      |                                             |                                        |                                                       | hannel. At the comple                                         | tion of THP hauling,                         | , pull culve | ert and r    | e-establis | h chan  | mel where  | it belo | ongs. Re | move e   | xcess fill fr | om        |
| 60.3015012                  | 5459                                     | 0.200 Hascha                                         |                                             | 10-081                                 | I mulch bare soil.  Juniper                           | Dip Rolling                                                   | THP App. Rd.                                 | III          |              | 0          | 0       | 0          | 0       | 0        | 0        | \$0           | 0         |
| Private Seasonal            |                                          | 0.200 Hascila<br>0.000 Unk                           | 10/15/20                                    |                                        | ECP Not                                               | Dip Rolling Dip Rolling                                       | Low                                          | 111          |              | 0          | U       | 0          | 0       | 0        | 0        | \$0<br>\$0    | 0         |
| Filvate Seasonal            |                                          |                                                      |                                             |                                        |                                                       | 1 0                                                           |                                              | -            | -            | U          |         | U          | U       | U        | U        | \$0           | U         |
| 60.301501205                | 267                                      | 0.070 Heath                                          | Pehl                                        | 99-282                                 | Bailey                                                | it should be maintaine<br>Surface Drainage                    | THP Recon.                                   | III          |              | 0          | 0       | 0          | 0       | 0        | 0        | \$0           | 0         |
| Private Perm.               | 267                                      | 0.070 Heatii<br>0.000 Unk                            | 10/15/20                                    |                                        | ECP Not                                               | Culv. Install                                                 | High                                         | 24"          |              | 0          | U       | 0          | 0       | 0        | 0        | \$0<br>\$0    | 0         |
| 60.301501205                | 266                                      | 0.000 Unk                                            | Pehl                                        | 99-282                                 | Bailey                                                | Surface Drainage                                              | THP Recon.                                   | Spr.         |              | 0          | 0       | 0          | 0       | 0        | 0        | \$0<br>\$0    | 0         |
| Private Perm.               | 266                                      | 0.210 Heath                                          | 10/15/20                                    |                                        | ECP Not                                               | Culv. Install                                                 | High                                         | ърг.<br>18"  | _            | 0          | U       | 0          | 0       | 0        | 0        | \$0<br>\$0    | 0         |
| Private Perii.              |                                          |                                                      |                                             |                                        |                                                       | p spring water and dire                                       | U                                            |              |              | U          |         | U          | U       | U        | U        | \$0           | U         |
| 60.301501205                |                                          |                                                      |                                             |                                        | -                                                     |                                                               | ect to new cmp. 40 fe                        | et to drain  | •            | 0          | 0       | 0          | 0       | 0        | 0        | \$0           |           |
|                             |                                          |                                                      | lr Dalal                                    | 10 001                                 |                                                       |                                                               | TIID Amm Dd                                  | TTT          |              |            | · · · · | U          | U       | U        | U        | טס            | 0         |
|                             | 5406<br>5406                             | 0.240 Hascha                                         |                                             | 10-081                                 | Juniper<br>ECR Not                                    | Temp. Crossing                                                | THP App. Rd.                                 | III          |              |            |         |            |         |          |          |               | 0         |
| Private Seasonal            | 5406                                     | 0.000 Unk                                            | 10/15/20                                    | 14                                     | ECP Not                                               | Temp. Crossing                                                | Medium                                       | -            | -            | 0          |         | 0          | 0       | 0        | 0        | \$0           | 0         |
| Private Seasonal            | 5406<br>Class III                        | 0.000 Unk<br>temporary xin                           | 10/15/20<br>g. If wet a                     | 14<br>t time of ope                    | ECP Not<br>erations install 4" by 2                   | Temp. Crossing                                                | Medium essary. Dip out crossi                | ing at close | -<br>e.      | 0          |         | 0          | 0       | 0        | 0        | \$0           | 0         |
| Private Seasonal 60.3015017 | 5406<br><b>Class III</b><br>1205         | 0.000 Unk<br>temporary xing<br>0.000 Pehl            | 10/15/20<br>g. If wet a<br>Pehl             | 14<br>t time of ope<br>Storm Pro       | ECP Not<br>erations install 4" by 2<br>Storm Proofing | Temp. Crossing  10' pipe or larger if neces  Surface Drainage | Medium essary. Dip out crossi Storm Proofing | -            | -<br>e.      | 0          | 0       | 0          | 17      |          | 0        | \$3,113       | 538       |
| Private Seasonal            | 5406<br><b>Class III</b><br>1205<br>1205 | 0.000 Unk<br>temporary xin<br>0.000 Pehl<br>1.100 ME | 10/15/20<br>g. If wet a<br>Pehl<br>12/29/20 | 14<br>t time of ope<br>Storm Pro<br>01 | ECP Not<br>erations install 4" by 2                   | Temp. Crossing                                                | Medium essary. Dip out crossi                | ing at close | -<br>e.<br>- | 0          |         | 0          | 0       | 0        | 0        | \$0           | 0         |

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| 5                | 01011      |                     |             |               | T115.11                   | - · · ·                   |                      |              |            |          |        |           | _        |          |          |               |           |
|------------------|------------|---------------------|-------------|---------------|---------------------------|---------------------------|----------------------|--------------|------------|----------|--------|-----------|----------|----------|----------|---------------|-----------|
| Road #           | GIS#       | Mile Plan           | Final       | THP#          | THP Name                  | Problem                   | Repair Type          | Cr. Class    |            | RCs R    | lock   |           |          | Truck    |          | Cost          | Total Yds |
| Road Class       | ID#        | End Crew            | Done        | Rd Pt         | ECP Number                | Solution                  | Priority/Shedule     | Old Dia      | New Di     | a Ln     |        | Right D   | Cat      | Labor    | Yds      | \$/FSD        | FSD Yds   |
| 60.3015017       | 263        | 0.080 Heath         | Pehl        | 99-282        | Bailey                    | Surface Drainage          | THP Recon.           | N/A          |            | 0        | 0      | 0         | 0        | 0        | 0        | \$0           | 0         |
| Private Perm.    | 263        | 0.000 Unk           | 12/14/20    | 00            | ECP Not                   | Dip Rolling               | Medium               | -            | -          | 0        |        | 0         | 0        | 0        | 0        | \$0           | 0         |
|                  | At interse | ection of new r     | oad const   | rution, insta | ll a rolling dip to prev  | ent water coming from:    | road 60.3015017 fro  | m eroding    | new road   | surface. | (Not   | an issue) |          |          |          |               |           |
| 60.301511        | 1081       | 0.000 Pehl          | Pehl        | Maintena      | Maintenance               | No Problem                | Maintenance          | N/A          |            | 0        | 0      | 0         | 0        | 0        | 8        | \$563         | 0         |
| Private Seasonal | 1081       | 0.830 RF            | 10/11/20    | 00            | ECP Not                   | Other                     | Medium               | -            | -          | 0        |        | 0         | 0        | 0        | 0        | \$0           | 0         |
| •                | Grade roa  | ad.                 |             |               |                           |                           |                      |              |            |          |        |           |          |          |          |               |           |
| 60.301511        | 11         | 0.000 Chidlay       | w Chidlaw   | Maintena      | Maintenance               | Other                     | Maintenance          | N/A          |            | 0        | 0      | 0         | 0        | 0        | 0        | \$187         | 0         |
| Private Seasonal | 1707       | 0.850 TE            | 7/20/200    | 1             | ECP Not                   | R/W Treatment             | Medium               | -            | -          | 0        |        | 0         | 0        | 7        | 0        | \$0           | 0         |
| :                | Sprayed 1  | pampas grass v      | vith 3 perc | ent Roundu    | ıp + R11 (trace).         |                           |                      |              |            |          |        |           |          |          |          |               |           |
| 60.301511        | 2708       | 0.000 Pehl          | Pehl        | 03-089        | Primrose                  | No Problem                | THP Maint Insp       | N/A          |            | 0        | 0      | 0         | 0        | 0        | 0        | \$0           | 0         |
| Private Perm.    | 2708       | 0.800 Unk           | 12/29/20    | 05            | ECP Not                   | No Action                 | No Action            | -            | -          | 0        |        | 0         | 0        | 0        | 0        | \$0           | 0         |
|                  | Cleared o  | ulvert inlets.      |             |               |                           |                           |                      |              |            |          |        |           |          |          |          |               |           |
| 60.301511        | 2719       | 0.000 Pehl          | Pehl        | 03-089        | Primrose                  | No Problem                | THP Maint Insp       | N/A          |            | 0        | 0      | 0         | 0        | 0        | 0        | \$0           | 0         |
| Private Perm.    | 2719       | 1.700 Unk           | 1/4/2006    |               | ECP Not                   | No Action                 | No Action            | -            | -          | 0        |        | 0         | 0        | 0        | 0        | \$0           | 0         |
| ,                | Winter Ir  | spection. Culv      | verts okay  | ·.            |                           |                           |                      |              |            |          |        |           |          |          |          |               |           |
| 60.301511        | 852        | 0.120 McCan         |             | Storm Pro     | Storm Proofing            | CulvHDP                   | Storm Proofing       | III          |            | 0        | 0      | 0         | 1        | 0        | 0        | \$240         | 0         |
| Private Perm.    | 852        | 0.000 ME            | 5/23/200    | 0             | ECP Not                   | Dip Critical              | Medium               | 24"          | -          | 0        |        | 0         | 1        | 2        | 0        | \$0           | 0         |
| ,                | A 24" cm   | np on a class 3     | low grad    | ient but fun  | ctioning well. Road su    | rface draining over OB    | F causing 1 vrd. Ou  | tlet erosion | . crossing | has DF   | to le  | ft. Tr    | eat: cle | an inlet | and out  | let , inslope | e road    |
|                  |            | sing or berm a      |             |               |                           | J                         | <i>5</i> ,           |              | •          | ,        |        |           |          |          |          | , 1           |           |
| 60.301511        | 853        | 0.180 McCan         | l Alden     | Storm Pro     | Storm Proofing            | Other                     | Storm Proofing       | III          |            | 0        | 0      | 0         | 2        | 0        | 0        | \$248         | 0         |
| Private Perm.    | 853        | $0.000~\mathrm{ME}$ | 5/23/200    | 0             | ECP Not                   | Dip Critical              | Medium               | -            | -          | 0        |        | 0         | 1        | 0        | 0        | \$0           | 0         |
|                  | A minor    | class 3 entering    | g IBD, the  | en flowing o  | down ditch. Treat:        | install rocked rolling di | p                    |              |            |          |        |           |          |          |          |               |           |
| 60.301511        | 854        | 0.250 McCan         | l Alden     | Storm Pro     | Storm Proofing            | CulvHDP                   | Storm Proofing       | III          |            | 0        | 0      | 0         | 2        | 0        | 0        | \$305         | 0         |
| Private Perm.    | 854        | $0.000~\mathrm{ME}$ | 5/23/200    | 0             | ECP Not                   | Dip Critical              | Medium               | 24"          | -          | 0        |        | 0         | 1        | 0        | 0        | \$0           | 0         |
|                  | A 24" cm   | p on a class 3      | , cmp is sl | notgunned b   | out has DS, a past fill f | ailure left bank at outle | of cmp approx. 20    | yrds. Cross  | sing has I | P to lef | t.     | Treat:    | add C    | D left h | nge.     |               |           |
| 60.301511        | 855        | 0.300 McCan         | l Kelly     | Storm Pro     | Storm Proofing            | Slide - Deep              | Weather Damage       | N/A          |            | 0        | 0      | 0         | 15       | 30       | 0        | \$6,325       | 0         |
| Private Perm.    | 855        | 0.000 Unk           | 4/3/2000    |               | ECP Not                   | Excavate Soil             | Medium               | -            | -          | 0        |        | 0         | 15       | 5        | 0        | \$0           | 0         |
|                  | A large c  | utbank slide es     | t. 3000 yı  | ds.+ . Fail   | ure crossed road flowi    | ng down gentle hillslop   | e for 200' . Road wa | s cleared by | y sidecast | ing spoi | l that | blocked 1 | road .   | Above re | oad a la | rge amount    | t         |
|                  |            | •                   |             |               |                           | from above this site flo  | • •                  | _            |            |          |        |           |          |          |          |               |           |
|                  |            |                     |             |               |                           | nove as much as possib    |                      |              | Could be i |          |        |           |          |          |          |               |           |
| 60.301511        | 855        | 0.400 Kelly         | •           |               | Maintenance               | Cut Bank Failure          | Maintenance          | N/A          |            | 0        | 0      | 0         | 0        | 0        | 0        | \$2,260       | 0         |
| Private Seasonal | 888        | 0.000 JHB           | 3/16/200    |               | ECP Not                   | Excavate Soil             | Medium               | -            | -          | 0        |        | 0         | 0        | 4        | 0        | \$0           | 0         |
| 60.301511        | 855        | 0.400 Kelly         | Kelly       | Maintena      | Maintenance               | Cut Bank Failure          | Maintenance          | N/A          |            | 0        | 0      | 0         | 26       | 59       | 0        | \$7,183       | 0         |
| Private Seasonal | 889        | 0.000 ME            | 3/31/200    |               | ECP Not                   | Excavate Soil             | Medium               | -            | -          | 0        |        | 0         | 13       | 0        | 0        | \$0           | 0         |
| 60.301511        | 857        | 0.410 McCan         |             |               | Storm Proofing            | CulvHDP                   | Storm Proofing       | III          |            | 0        | 0      | 0         | 1        | 0        | 0        | \$190         | 0         |
| Private Perm.    | 857        | 0.000 ME            | 5/23/200    | 0             | ECP Not                   | Dip Critical              | Medium               | 18"          | -          | 0        |        | 0         | 1        | 0        | 0        | \$0           | 0         |
|                  |            | p on a class 3      | , possible  | spring, cro   | ssing has DP to right.    |                           | ft hinge and clean o | nlet and ou  | tlet, add  | 10' of D | S.     |           |          |          |          |               |           |
| 60.301511        | 857        | 0.410 Pehl          | Pehl        | Maintena      | Maintenance               | Culv.                     | Maintenance          | III          |            | 0        | 0      | 0         | 9        | 7        | 0        | \$3,474       | 50        |
| Private Perm.    | 2962       | 0.000 R&S           | 11/15/20    | 06            | ECP Not                   | Culv. Replace             | Medium               | 18"          | 24"        | 40       |        | 0         | 9        | 9        | 0        | \$69          | 50        |
| Tilvate Tellii.  |            |                     |             |               |                           | 1                         |                      |              |            |          |        |           |          |          |          |               |           |

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| Part    | Road #           | GIS#     | Mile Plan           | Final       | THP#         | THP Name              | Problem                    | Repair Type            | Cr. Class   | <u> </u>   | DRCs     | Rock           | Left D        | Exca     | Truck     | Gra.     | Cost         | Total Yds |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------|---------------------|-------------|--------------|-----------------------|----------------------------|------------------------|-------------|------------|----------|----------------|---------------|----------|-----------|----------|--------------|-----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |          |                     |             |              |                       |                            |                        |             |            |          | r took         |               |          |           |          |              |           |
| Private   Priv |                  |          |                     |             |              |                       |                            |                        |             | 11011 2    |          | 0              |               |          |           |          | **           |           |
| Print   Prin |                  |          |                     |             |              | Č                     | 1 &                        | Č                      |             | 24"        | -        | 0              |               |          |           |          | . ,          |           |
| This continue   This continu | Private Perm.    |          |                     |             |              |                       | 1                          |                        |             |            |          | a <b>h</b> ama | -             |          |           |          | ,            | /1        |
| Mail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |          |                     |             |              |                       |                            |                        |             | divert to  | ieit oi  | спапп          | lei ior 40° t | betore . | nowing    | Dack III | io channel.  |           |
| Private Semma   Private Semm | 60.301511        |          |                     |             |              |                       |                            |                        |             |            | 0        | 10             | 0             | 7        | 6         | 0        | \$2,702      | 0         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Private Perm.    | 5455     | 0.000 R&S           | 11/5/201    | 3            | ECP Not               | Culv. Replace              | Medium                 | 18"         | 18"        | 40       |                | 0             | 0        | 7         | 0        | \$0          | 0         |
| Private Seasona                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  | Rusting  | ditch relief culv   | vert. Repla | ce with 18'  | by 30' or longer.     |                            |                        |             |            |          |                |               |          |           |          |              |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 60.301511        | 1385     | 0.800 Alden         | Alden       | Maintena     | Maintenance           | Surface Drainage           | Storm Proofing         | N/A         |            | 0        | 0              | 0             | 3        | 4         | 0        | \$808        | 0         |
| Private Penn   Pri  | Private Seasonal | 1385     | 1.850 ME            | 3/15/200    | 1            | ECP Not               | Rock Surface               | Medium                 | -           | -          | 0        |                | 0             | 4        | 0         | 0        | \$0          | 0         |
| Private Seasona   19   19   19   19   19   19   19   1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 60.301511        | 860      | 0.830 McCan         | l Alden     | Storm Pro    | Storm Proofing        | CulvDitch Relief           | Storm Proofing         | N/A         |            | 0        | 0              | 0             | 3        | 0         | 0        | \$974        | 0         |
| Private Season   1674                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Private Perm.    | 860      | $0.000~\mathrm{ME}$ | 5/24/200    | 0            | ECP Not               | Culv. Replace              | Medium                 | 18"         | 18"        | 30       |                | 0             | 3        | 2         | 0        | \$0          | 0         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  | A 18" D  | RC draining sp      | ring down   | ditch from   | ranch house under 60  | 0.301511 rd. Cmp is she    | ort and traffic has sm | ashed outle | et. Trea   | ıt : rem | ove c          | mp and ins    | tall 18  | " directi | ng outle | t across roa | ad to     |
| Private Season   Pri  |                  |          |                     |             |              |                       |                            |                        |             |            |          |                |               |          |           |          |              |           |
| Private Peace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |          |                     |             | Maintena     |                       |                            |                        | N/A         |            | Ü        | 0              |               |          |           |          |              |           |
| 1213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Private Seasonal |          |                     |             |              |                       |                            |                        | -           | -          |          |                | 0             | 0        | 14        | 0        | \$0          | 0         |
| Private Seasons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |          |                     |             |              | . , ,                 | •                          |                        |             | ınits 1, 2 | •        |                |               |          |           |          |              |           |
| Storm Proofing   Store Proofing   Storm Proofing   Stor |                  |          |                     |             |              | · ·                   | C                          | _                      | N/A         |            |          | 0              |               |          |           |          | . ,          |           |
| Upgraded         904         0.10 MB         51/100 MB         ECP Not         Dip Rolling         Medium         -         -         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |          |                     |             |              |                       | 1 0                        |                        | -           | -          |          |                |               |          |           |          |              |           |
| Final Season   Sea  |                  |          |                     |             |              | C                     | ē                          | _                      | N/A         |            | -        | 0              |               |          |           |          |              |           |
| Private Season   Salf   Sal  | 10               |          |                     |             |              | ECP Not               | 1 0                        |                        | -           | -          |          |                |               |          |           |          |              |           |
| Private Perm.   Private Per  |                  |          |                     |             |              | •                     | 1 0                        |                        | Swale       |            | -        | 0              |               |          |           |          |              |           |
| Column   C | Private Seasonal | 5414     | 0.000 Unk           | 10/15/20    | 14           | ECP Not               | Temp. Crossing             | Medium                 | -           | -          | 0        |                | 0             | 0        | 0         | 0        | \$0          | 0         |
| Purple of the content of the cont  |                  |          |                     |             |              |                       |                            |                        |             |            |          |                |               |          |           |          |              |           |
| This roat   Solution   Follow   Solution   |                  |          |                     |             |              |                       | · ·                        |                        | N/A         |            | -        | 0              |               |          |           |          |              |           |
| Column   C | Upgraded         |          |                     |             |              |                       |                            | Medium                 | -           | -          | 0        |                | 0             | 0        | 0         | 0        | \$0          | 196       |
| Private Perm.         260         0.000 Unk         7/1/200√         ECP Not         Dip Rolling         Medium         -         -         0         0         0         0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$2,380         \$100         \$100         \$100         \$2,380         \$100         \$100         \$100         \$2,380         \$100         \$100         \$2,380         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100         \$100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |          |                     |             |              |                       |                            |                        |             |            |          |                |               |          |           |          |              |           |
| This is a   w spot that fills with water from a spring. Upon completation of the THP, LTO will construct a rolling dip to allow drainage. Apply seed and mulch to bare soil.    Solid   O.440 Alden   Kelly   Maintenance   Maintenance   Temp. Crossing   Assessment   III   O   O   O   O   O   O   O   O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |          |                     | -           |              | •                     | C                          |                        | N/A         |            |          | 0              |               |          |           |          | * -          |           |
| Column   C | Private Perm.    |          |                     |             |              |                       | 1 &                        |                        | <u>-</u>    | -          | -        |                | -             |          | •         | -        | \$0          | 0         |
| Upgraded         5344         0.000 Unk         7/1/2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |          |                     |             |              |                       | ·                          |                        |             | allow dra  |          |                |               |          |           |          |              |           |
| This crossing was pulled but not deep enough.   This crossing was pulled but not deep enough.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |          |                     | •           |              |                       | 1 0                        |                        | III         |            | Ü        | 0              | · ·           |          | Ü         |          | . ,          |           |
| Columbrate Perm.   Fivate Perm.   Columbrate Perm | Upgraded         |          |                     |             |              |                       | Remove Crossing            | Medium                 | -           | Pull       | 0        |                | 0             | 8        | 0         | 0        | \$24         | 100       |
| Private Perm.         261         0.000 Unk         7/1/200√         ECP Not         Remove Crossing         High         -         Pull         0         0         0         0         0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |          |                     |             |              |                       |                            |                        |             |            |          |                |               |          |           |          |              |           |
| This is a class III water-ourse. After removing culvert, remove excess fill to botttom of draw to prevent soil from moving down stream. This will close this segment of road. Seed and mulch bare soil.    60.3015113   261   0.470 Alden   Kelly   99-282   Bailey   No Problem   Assessment   III   0   0   0   0   0   0   0   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |          |                     | •           |              | •                     | 2                          |                        | III         |            | -        | 0              |               |          |           |          | * -          |           |
| bare soil.           60.3015113         261         0.470 Alden         Kelly         99-282         Bailey         No Problem         Assessment         III         0         0         0         0         0         0         \$0         0         \$0         0         \$0         0         \$0         0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Private Perm.    |          |                     |             |              |                       | J                          | · ·                    | -           |            | -        |                | -             |          | •         | •        | * -          |           |
| Upgraded 5345 0.000 Unk 7/10/2000 ECP Not No Action No Action 0 0 0 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |          |                     | course. A   | fter removii | ng culvert, remove ex | cess fill to botttom of di | raw to prevent soil fr | om moving   | down s     | tream. T | his w          | rill close th | is segn  | nent of r | oad. S   | eed and mu   | lch       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 60.3015113       | 261      | 0.470 Alden         | Kelly       | 99-282       | Bailey                | No Problem                 | Assessment             | III         |            | 0        | 0              | 0             | 0        | 0         | 0        | \$0          | 0         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Upgraded         | 5345     | 0.000 Unk           | 7/10/200    | 0            | ECP Not               | No Action                  | No Action              | -           | -          | 0        |                | 0             | 0        | 0         | 0        | \$0          | 0         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  | This was | pulled at time      | of thp      |              |                       |                            |                        |             |            |          |                |               |          |           |          |              |           |

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| Road #           | GIS#       | Mile Plan           | Final      | THP#         | THP Name               | Problem                   | Repair Type          | Cr. Class    | s DI         | RCs Ro     | ck Left D   | Exca      | Truck    | Gra.          | Cost           | Total Yds |
|------------------|------------|---------------------|------------|--------------|------------------------|---------------------------|----------------------|--------------|--------------|------------|-------------|-----------|----------|---------------|----------------|-----------|
| Road Class       | ID#        | End Crew            | Done       | Rd Pt        | ECP Number             | Solution                  | Priority/Shedule     | Old Dia      | New Dia      | a Ln       | Right [     | ) Cat     | Labor    | Yds           | \$/FSD         | FSD Yds   |
| 60.3015113       | 262        | 0.520 Heath         | Kelly      | 99-282       | Bailey                 | Fill - Road               | THP Recon.           | N/A          |              | 0          | 0 0         | 20        | 0        | 0             | \$2,540        | 0         |
| Private Perm.    | 262        | 0.000 RB            | 7/10/2000  |              | ECP Not                | Other                     | High                 | -            | _            | 0          | 0           | 0         | 20       | 0             | \$0            | 0         |
|                  |            |                     |            |              |                        | soil with seed and mul    | U                    | and will no  | ot take see  | d. plant c | onifers To  | nreven    |          | -             | * -            | Ů         |
|                  |            |                     |            |              |                        | le. Be sure berm does n   |                      |              |              |            |             |           |          |               |                | flow      |
|                  | from ente  | ring the fill fai   | lure. Seed | l and mulcl  | h all bare soil.       |                           |                      |              |              |            |             |           |          |               |                |           |
| 60.3015113       | 5464       | 0.650 Haschal       | k Haschak  | 10-081       | Juniper                | Temp. Crossing            | THP App. Rd.         | III          |              | 0          | 0 0         | 2         | 2        | 0             | \$430          | 30        |
| Private Seasonal | 5464       | 0.000 Unk           | 6/7/2010   |              | GWDR 1-10-081          | No Action                 | Medium               | -            | -            | 0          | 0           | 0         | 0        | 0             | \$14           | 30        |
|                  |            |                     |            |              |                        | asn't pulled properly la  |                      |              |              |            |             |           |          |               |                |           |
| 60.3015113       | 5343       | 5.600 Alden         |            |              |                        | will have no action. I a  |                      | so tnat som  | ie day it mi |            | ken care or | ir the ro | ad is op | enea up<br>() | \$1,350        | 150       |
|                  | 5343       |                     | 7/10/2000  |              | Maintenance<br>ECP Not | Temp. Crossing            | Assessment<br>Medium | 111          |              | 0          | 0           | 6         | 0        | 200           | \$1,330<br>\$9 | 150       |
| Upgraded         |            |                     |            |              |                        | Remove Crossing           |                      | -            | -            | U          | U           | 0         | U        | 200           | 39             | 130       |
| 60.3015115118    |            |                     |            |              |                        | uld need to be opened t   |                      | NT/A         |              | 0          | 0 0         | 0         | 0        | 0             | \$0            | 0         |
|                  | 5462       | 0.000 Haschal       |            | 10-081       | Juniper                | Surface Drainage          | THP App. Rd.         | N/A          |              |            |             |           | -        |               | * -            |           |
| Private Seasonal | 5462       |                     | 10/15/201  |              | GWDR 1-10-081          | Tip and Dip               | Medium               | -            | -            | 0          | 0           | 0         | 0        | 0             | \$0            | 0         |
| -                |            | outside berm or     |            |              | •                      | 0.4                       | TUD + D1             | ***          |              |            | 0 0         | 0         | 0        | 0             | Φ0             |           |
| 60.3015115118    | 5463       | 0.000 Haschal       |            | 10-081       | Juniper                | Other                     | THP App. Rd.         | II           |              |            | 0 0         | 0         | 0        | 0             | \$0            | 0         |
| Private Seasonal | 5463       |                     | 10/17/201  |              | ECP Not                | Other                     | Medium               | -            | -            | 0          | 0           | 0         | 0        | 0             | \$0            | 0         |
|                  | _          | not used during     |            |              |                        |                           |                      |              |              |            |             | _         | _        | _             |                |           |
|                  |            |                     |            |              |                        | PZ. Place log along edg   |                      |              | No sidecas   |            |             | at clos   |          |               | <b>#1.60</b>   | 1.15      |
| 60.30152         | 2339       | 0.000 Alden         |            | -            | Pep P0530407           | Surface Drainage          | Storm Proofing       | N/A          |              |            | 0 0         | 1         | 0        | 0             | \$160          | 147       |
| Storm Proofed    | 2339       |                     | 10/23/200  | )6           | ECP Not                | Tip and Dip               | Medium               | -            | -            | 0          | 0           | 1         | 0        | 0             | \$1            | 147       |
|                  | Tip and I  | -                   |            |              |                        |                           |                      |              |              |            |             |           |          |               |                |           |
| 60.30152         | 1250       | 0.300 McCanl        |            | 1            | Pep P0530407           | Fill - Landing            | Storm Proofing       | N/A          |              |            | 0 0         | 3         | 0        | 0             | \$705          | 292       |
| Storm Proofed    | 1250       | 0.000 R&S           | 10/23/200  | 06           | ECP Not                | Excavate Soil             | Medium               | -            | -            | 0          | 0           | 4         | 0        | 292           | \$16           | 44        |
|                  | excavate   | store locally       |            |              |                        |                           |                      |              |              |            |             |           |          |               |                |           |
| 60.301535        | 5443       | 0.000 Alden         | Alden      | Maintena     | Maintenance            | No Problem                | Assessment           | N/A          |              | 0          | 0 0         | 0         | 0        | 0             | \$0            | 0         |
| Not Connected    | 5443       | 0.600 Unk           | 4/27/2010  | )            | ECP Not                | No Action                 | No Action            | -            | -            | 0          | 0           | 0         | 0        | 0             | \$0            | 0         |
| 60.301535        | 2205       | 0.500 Haschal       | k Pehl     | 03-089       | Primrose               | Temp. Crossing            | THP New Con.         | Spr.         |              | 0          | 0 0         | 0         | 0        | 0             | \$0            | 0         |
| Private Seasonal | 2205       | 0.000 AL            | 8/15/2004  | 1            | ECP Not                | Temp. Crossing            | Medium               | -            | -            | 0          | 0           | 0         | 0        | 0             | \$0            | 0         |
|                  | Install sp | ring drain pipe,    | , remove   | and dip out  | at close of operations | <b>s.</b>                 |                      |              |              |            |             |           |          |               |                |           |
| 60.301535        | 2176       | 0.600 Haschal       | k Pehl     | 03-089       | Primrose               | Surface Drainage          | THP New Con.         | N/A          |              | 0          | 0 0         | 0         | 0        | 0             | \$0            | 0         |
| Private Seasonal | 2176       | $0.000~\mathrm{AL}$ | 8/15/2004  | 1            | ECP Not                | Waterbar                  | Medium               | -            | -            | 0          | 0           | 0         | 0        | 0             | \$0            | 0         |
|                  | At close   | of operations th    | is road sh | all have a v | waterbar placed at the | end of it so that water d | oes not drain down t | he trail tow | vard the sli | ide in the | class III   |           |          |               |                |           |
| 60.30153552      | 5444       | 0.000 Alden         | Alden      | Maintena     | Maintenance            | No Problem                | Assessment           | N/A          |              | 0          | 0 0         | 0         | 0        | 0             | \$0            | 0         |
| Not Connected    | 5444       | 0.070 Unk           | 4/27/2010  | )            | ECP Not                | No Action                 | No Action            | -            | -            | 0          | 0           | 0         | 0        | 0             | \$0            | 0         |
| 60.30154         | 2364       | 0.000 Alden         | Alden      | 271 Pep      | Pep P0530407           | Surface Drainage          | Storm Proofing       | N/A          |              | 0          | 0 0         | 56        | 0        | 0             | \$11,975       | 606       |
| Storm Proofed    | 2364       | 1.240 R&S           | 1/25/2007  | 7            | ECP Not                | Tip and Dip               | Medium               | -            | -            | 0          | 0           | 60        | 4        | 0             | \$20           | 606       |
|                  | Tip and I  | Nim.                |            |              |                        | -                         |                      |              |              |            |             |           |          |               |                |           |

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| Road #           | GIS#       | Mile Plan         | Final       | THP#          | THP Name             | Problem                   | Repair Type      | Cr. Clas | s I   | DRCs  | Rock | Left D  | Exca. | Truck | Gra. | Cost    | Total Yds |
|------------------|------------|-------------------|-------------|---------------|----------------------|---------------------------|------------------|----------|-------|-------|------|---------|-------|-------|------|---------|-----------|
| Road Class       | ID#        | End Crew          | Done        | Rd Pt         | ECP Number           | Solution                  | Priority/Shedule | Old Dia  | New D | ia Ln |      | Right D | Cat   | Labor | Yds  | \$/FSD  | FSD Yds   |
| 60.30154         | 2382       | 0.390 Pehl        | Alden       | 271 Pep       | Pep P0530407         | Temp. Crossing            | Storm Proofing   | III      |       | 0     | 150  | 0       | 4     | 3     | 0    | \$1,130 | 150       |
| Storm Proofed    | 2382       | 0.000 R&S         | 10/25/20    | 07            | ECP Not              | Armored Ford              | Medium           | -        | RkFd  | 0     |      | 0       | 2     | 8     | 150  | \$30    | 38        |
|                  | Tempora    | ry class III cros | sing, not p | oulled to gra | ade. Eroding severe  | ly.                       |                  |          |       |       |      |         |       |       |      |         |           |
|                  | Excavate   | and rebuild ap    | proaches    | with proper   | compaction. Instal   | l a rock armored crossing | •                |          |       |       |      |         |       |       |      |         |           |
| 60.30154         | 2381       | 0.420 Pehl        | Alden       | 271 Pep       | Pep P0530407         | Temp. Crossing            | Storm Proofing   | III      |       | 0     | 40   | 0       | 3     | 3     | 0    | \$983   | 50        |
| Storm Proofed    | 2381       | 0.000~R&S         | 10/25/20    | 07            | ECP Not              | Armored Ford              | Medium           | -        | RkFd  | 0     |      | 0       | 2     | 6     | 50   | \$98    | 10        |
|                  | Temp cla   | ss III crossing,  | not pulled  | , just dippe  | d. Road surface is e | roding.                   |                  |          |       |       |      |         |       |       |      |         |           |
|                  | Install ro | ck armored cro    | ssing       |               |                      |                           |                  |          |       |       |      |         |       |       |      |         |           |
| 60.30154         | 2380       | 0.450 Pehl        | Alden       | 271 Pep       | Pep P0530407         | Temp. Crossing            | Storm Proofing   | III      |       | 0     | 80   | 0       | 5     | 3     | 0    | \$1,168 | 150       |
| Storm Proofed    | 2380       | 0.000 R&S         | 10/25/20    | 07            | ECP Not              | Armored Ford              | Medium           | -        | RkFd  | 0     |      | 0       | 3     | 4     | 150  | \$26    | 45        |
|                  | Minor cla  | ass III temp cro  | ssing. No   | t pulled, jus | st dipped. Road surf | ace is eroding.           |                  |          |       |       |      |         |       |       |      |         |           |
|                  | Install ro | ck armored cro    | ssing.      |               |                      |                           |                  |          |       |       |      |         |       |       |      |         |           |
| 60.30154         | 133        | 0.500 Kelly       | Kelly       | Maintena      | Maintenance          | Surface Drainage          | Maintenance      | N/A      |       | 0     | 0    | 0       | 0     | 0     | 0    | \$510   | 0         |
| Private Seasonal | 133        | 0.000 Unk         | 2/3/1999    |               | ECP Not              | Other                     | Medium           | =.       | -     | 0     |      | 0       | 3     | 0     | 0    | \$0     | 0         |
| 60.30154         | 2379       | 0.500 Pehl        | Alden       | 271 Pep       | Pep P0530407         | Surface Drainage          | Storm Proofing   | Swale    |       | 0     | 40   | 0       | 3     | 3     | 0    | \$938   | 25        |
| Storm Proofed    | 2379       | 0.000 R&S         | 10/26/20    | 07            | ECP Not              | Armored Ford              | Medium           | -        | RkFd  | 0     |      | 0       | 3     | 4     | 25   | \$75    | 13        |
|                  | Swale co   | ncentrates upsl   | ope draina  | ge on road.   |                      |                           |                  |          |       |       |      |         |       |       |      |         |           |
|                  | Install ro | ck armor cross    | ing.        |               |                      |                           |                  |          |       |       |      |         |       |       |      |         |           |
| 60.30154         | 2378       | 0.570 Pehl        | Alden       | 271 Pep       | Pep P0530407         | Surface Drainage          | Storm Proofing   | Swale    |       | 0     | 40   | 0       | 5     | 3     | 0    | \$1,168 | 25        |
| Storm Proofed    | 2378       | 0.000 R&S         | 10/26/20    | 07            | ECP Not              | Armored Ford              | Medium           | -        | RkFd  | 0     |      | 0       | 3     | 4     | 25   | \$93    | 13        |
|                  | Swale co   | ncentrates upsl   | ope draina  | ge on road.   |                      |                           |                  |          |       |       |      |         |       |       |      |         |           |
|                  | Install ro | ck armor cross    | ing.        |               |                      |                           |                  |          |       |       |      |         |       |       |      |         |           |
| 60.30154         | 2377       | 0.590 Pehl        | Alden       | 271 Pep       | Pep P0530407         | Spring                    | Storm Proofing   | Spr.     |       | 0     | 0    | 0       | 22    | 17    | 0    | \$5,088 | 275       |
| Storm Proofed    | 2377       | 0.000 R&S         | 10/29/20    | 07            | ECP Not              | Culv. Install             | Medium           | -        | RkFd  | 0     |      | 0       | 12    | 6     | 275  | \$74    | 69        |
|                  | Spring dr  | rains across roa  | d. Debris   | plume and     | two channels incised | l in road.                |                  |          |       |       |      |         |       |       |      |         |           |
|                  | Install 30 | )"X60' CMP. (     | Change to   | Frenchy dr    | ain and rock armore  | d ford. Alden.            |                  |          |       |       |      |         |       |       |      |         |           |
| 60.30154         | 2376       | 0.640 Pehl        | Alden       | 271 Pep       | Pep P0530407         | Temp. Crossing            | Storm Proofing   | III      |       | 0     | 80   | 0       | 1     | 3     | 0    | \$655   | 100       |
| Storm Proofed    | 2376       | 0.000 R&S         | 11/1/200    | 7             | ECP Not              | Armored Ford              | Medium           | -        | RkFd  | 0     |      | 0       | 2     | 4     | 100  | \$22    | 30        |
|                  | Minor cla  | ass III crossing  | . Not pulle | ed to stream  | grade. Downcutting   | g through road surface.   |                  |          |       |       |      |         |       |       |      |         |           |
|                  | Install ro | ck armored cro    |             |               |                      |                           |                  |          |       |       |      |         |       |       |      |         |           |
| 60.30154         | 2375       | 0.660 Pehl        |             | 271 Pep       | Pep P0530407         | Surface Drainage          | Storm Proofing   | Swale    |       | 0     | 40   | 0       | 7     | 3     | 0    | \$1,430 | 25        |
| Storm Proofed    | 2375       | 0.000 R&S         | 11/1/200    | 7             | ECP Not              | Armored Ford              | Medium           | -        | RkFd  | 0     |      | 0       | 4     | 4     | 25   | \$114   | 13        |
|                  | Swale for  | cuses drainage    | on road. N  | Ainor incisi  | on in road bed.      |                           |                  |          |       |       |      |         |       |       |      |         |           |
|                  |            | ck armored cro    |             |               |                      |                           |                  |          |       |       |      |         |       |       |      |         |           |
| 60.30154         | 2374       | 0.720 Pehl        |             | 271 Pep       | Pep P0530407         | Temp. Crossing            | Storm Proofing   | III      |       | 0     | 80   | 0       | 7     | 6     | 0    | \$1,660 | 100       |
| Storm Proofed    | 2374       | 0.000 R&S         | 11/2/200    |               | ECP Not              | Armored Ford              | Medium           | -        | RkFd  | 0     |      | 0       | 4     | 1     | 100  | \$33    | 50        |
|                  | Minor cla  | ass III crossing. | Incising    | into road be  | ed.                  |                           |                  |          |       |       |      |         |       |       |      |         |           |
|                  | Excavate   | crossing and r    | oad edge.   | Armor wit     | th rock.             |                           |                  |          |       |       |      |         |       |       |      |         |           |

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| Road #                      | GIS#         | Mile Plan                | Final       | THP#         | THP Name               | Problem                    | Repair Type      | Cr. Class | S     | DRCs F | Rock | Left D  | Exca. | Truck | Gra. | Cost    | Total Yds |
|-----------------------------|--------------|--------------------------|-------------|--------------|------------------------|----------------------------|------------------|-----------|-------|--------|------|---------|-------|-------|------|---------|-----------|
| Road Class                  | ID#          | End Crew                 | Done        | Rd Pt        | ECP Number             | Solution                   | Priority/Shedule | Old Dia   | New E | ia Ln  |      | Right D | Cat   | Labor | Yds  | \$/FSD  | FSD Yds   |
| 60.30154                    | 2373         | 0.750 Pehl               | Alden       | 271 Pep      | Pep P0530407           | Cut Bank Failure           | Storm Proofing   | N/A       |       | 0      | 0    | 0       | 1     | 0     | 0    | \$205   | 125       |
| Storm Proofed               | 2373         | 0.000 R&S                | 11/2/200    | 7            | ECP Not                | Excavate Soil              | Medium           | _         | -     | 0      |      | 0       | 1     | 0     | 125  | \$2     | 125       |
|                             | Cut bank     | failure. Slump           | material o  | on road ma   | y overload road prisn  | n.                         |                  |           |       |        |      |         |       |       |      |         |           |
|                             | Excavate     | slump materia            | ıl. End ha  | ul or use lo | cally to outslope roa  | d.                         |                  |           |       |        |      |         |       |       |      |         |           |
| 60.30154                    | 2372         | 0.770 Pehl               | Alden       | 271 Pep      | Pep P0530407           | Temp. Crossing             | Storm Proofing   | II        |       | 0      | 0    | 0       | 15    | 6     | 0    | \$2,400 | 400       |
| Deactivated                 | 2372         | 0.000 R&S                | 11/5/200    | 7            | ECP Not                | Remove Crossing            | Medium           | -         | Pull  | 0      |      | 0       | 1     | 3     | 400  | \$8     | 320       |
|                             | Abandon      | ed class III cro         | ssing not p | oulled to gr | ade is down cutting.   |                            |                  |           |       |        |      |         |       |       |      |         |           |
|                             | Excavate     | crossing to str          |             |              |                        |                            |                  |           |       |        |      |         |       |       |      |         |           |
| 60.30154                    | 2370         | 0.780 Pehl               |             | 271 Pep      | Pep P0530407           | Fill - Road                | Storm Proofing   | N/A       |       | 0      | 0    | 0       | 1     | 0     | 0    | \$385   | 939       |
| Storm Proofed               | 2370         | 0.860 R&S                | 11/5/200    |              | ECP Not                | Excavate Soil              | Medium           | -         | -     | 0      |      | 0       | 1     | 4     | 900  | \$1     | 696       |
|                             |              | re/Inner Gorge           |             |              |                        |                            |                  |           |       |        |      |         |       |       |      |         |           |
|                             |              |                          |             |              |                        | erial against cutbank, and |                  |           |       |        |      |         |       |       |      | ***     |           |
| 60.30154                    | 2368         | 0.860 Pehl               |             | 271 Pep      | Pep P0530407           | Fill - Road                | Storm Proofing   | III       | ~     | 0      | 0    | 0       | 2     | 3     | 0    | \$905   | 90        |
| Abandoned Fixe              |              | 0.000 R&S                | 11/6/200    |              | ECP Not                | Remove Crossing            | Medium           | -         | Pull  | 0      |      | 0       | 4     | 2     | 90   | \$34    | 27        |
|                             |              |                          |             |              | Flow is eroding road   |                            |                  |           |       |        |      |         |       |       |      |         |           |
| (0.2015402                  |              |                          |             |              | d abandon road cross   |                            | C4 D             | NT/A      |       | 0      | 0    | 0       | 2     | 0     | 0    | ¢(15    | 202       |
| 60.3015402<br>Storm Proofed | 2367<br>2367 | 0.000 Alden<br>0.600 R&S | 11/4/200    | 271 Pep      | Pep P0530407           | Surface Drainage           | Storm Proofing   | N/A       |       | 0      | 0    | 0       | 3     | 0     | 0    | \$615   | 293       |
| Storm Proofed               | Tip and      |                          | 11/4/200    | /            | ECP Not                | Tip and Dip                | Medium           | -         | -     | U      |      | 0       | 3     | U     | U    | \$2     | 293       |
| 60.3015402                  | 2383         | 0.180 Pehl               | Alden       | 271 Pep      | Pep P0530407           | Temp. Crossing             | Storm Proofing   | III       |       | 0      | 0    | 0       | 6     | 0     | 0    | \$1,995 | 180       |
| Storm Proofed               | 2383         | 0.000 R&S                | 7/14/200    | •            | ECP Not                | Armored Ford               | Medium           | -         | Pull  | 0      | U    | 0       | 7     | 16    | 180  | \$1,553 | 108       |
| Storm rooted                |              |                          |             |              | de. Road fill is erodi |                            | Wicdiani         |           | 1 un  | U      |      | U       | ,     | 10    | 100  | \$10    | 100       |
|                             |              | mored crossing           |             | _            | de. Road III is crod   | mg.                        |                  |           |       |        |      |         |       |       |      |         |           |
| 60.3015402                  | 2384         | 0.210 Pehl               | •           | 271 Pep      | Pep P0530407           | Spring                     | Storm Proofing   | Spr.      |       | 0      | 0    | 0       | 7     | 0     | 0    | \$1,558 | 600       |
| Private Seasonal            | 2384         | 0.000 R&S                | 7/14/200    | 8            | ECP Not                | Dip Critical               | Medium           | -         | -     | 0      |      | 0       | 7     | 5     | 600  | \$5     | 300       |
|                             | Water fro    | om bank seep r           | uns down i  | insloped ro  | ad.                    | •                          |                  |           |       |        |      |         |       |       |      |         |           |
|                             |              | road. Install l          |             | •            |                        |                            |                  |           |       |        |      |         |       |       |      |         |           |
| 60.3015402                  | 2385         | 0.270 Pehl               | Alden       | 271 Pep      | Pep P0530407           | Temp. Crossing             | Storm Proofing   | III       |       | 0      | 0    | 0       | 13    | 8     | 0    | \$3,310 | 800       |
| Private Seasonal            | 2385         | 0.000 R&S                | 7/14/200    | 8            | ECP Not                | Remove Crossing            | Medium           | -         | Pull  | 0      |      | 0       | 11    | 5     | 800  | \$5     | 720       |
|                             | Class III    | temp crossing,           | not pulled  | to stream    | grade. Road fill is de | eply incised.              |                  |           |       |        |      |         |       |       |      |         |           |
|                             | Excavate     | to natural stre          | am grade.   |              |                        |                            |                  |           |       |        |      |         |       |       |      |         |           |
| 60.3015402                  | 2386         | 0.300 Pehl               | Alden       | 271 Pep      | Pep P0530407           | Spring                     | Storm Proofing   | Spr.      |       | 0      | 0    | 0       | 1     | 0     | 0    | \$205   | 180       |
| Private Seasonal            | 2386         | 0.000 R&S                | 7/14/200    | 8            | ECP Not                | Excavate Soil              | Medium           | -         | -     | 0      |      | 0       | 1     | 0     | 180  | \$4     | 54        |
|                             | Water fro    | om bank seep r           | uns down i  | insloped ro  | ad. Road fill edge is  | over steepened.            |                  |           |       |        |      |         |       |       |      |         |           |
|                             | Excavate     | road edge and            | l use to ou | tslope road  | . Install large dips a | t seeps, if present.       |                  |           |       |        |      |         |       |       |      |         |           |
| 60.3015402                  | 2387         | 0.420 Pehl               | Alden       | 271 Pep      | Pep P0530407           | Temp. Crossing             | Storm Proofing   | III       |       | 0      | 0    | 0       | 25    | 11    | 0    | \$5,365 | 500       |
| Private Seasonal            | 2387         | 0.000 R&S                | 7/11/200    | 8            | ECP Not                | Remove Crossing            | Medium           | -         | Pull  | 0      |      | 0       | 15    | 7     | 500  | \$36    | 150       |
|                             |              | ssing not pulle          | _           |              | C                      |                            |                  |           |       |        |      |         |       |       |      |         |           |
|                             | Excavate     | crossing down            | n to natura | l stream gr  | ade.                   |                            |                  |           |       |        |      |         |       |       |      |         |           |

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| Road #           | GIS#      | Mile Plan        | Final      | THP#         | THP Name              | Problem                | Repair Type         | Cr. Class    | . [   | DRCs F | lock | Left D  | Exca. | Truck | Gra. | Cost    | Total Yds |
|------------------|-----------|------------------|------------|--------------|-----------------------|------------------------|---------------------|--------------|-------|--------|------|---------|-------|-------|------|---------|-----------|
| Road Class       | ID#       | End Crew         | Done       | Rd Pt        | ECP Number            | Solution               | Priority/Shedule    | Old Dia      | New D | ia Ln  |      | Right D | Cat   | Labor | Yds  | \$/FSD  | FSD Yds   |
| 60.3015402       | 4694      | 0.600 Alden      | Alden      | Maintena     | Maintenance           | No Problem             | Maintenance         | N/A          |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Abandoned Lega   | 4694      | 1.500 Unk        | 8/9/2008   |              | ECP Not               | No Action              | No Action           | -            | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.3015402005    | 5514      | 0.000 Alden      | Alden      | Maintena     | Maintenance           | Surface Drainage       | Assessment          | N/A          |       | 0      | 0    | 0       | 8     | 0     | 0    | \$1,640 | 196       |
| Storm Proofed    | 5514      | 0.400 R&S        | 6/1/2008   |              | ECP Not               | Tip and Dip            | Medium              | -            | -     | 0      |      | 0       | 8     | 0     | 0    | \$8     | 196       |
| 60.3015402007    | 5515      | 0.000 Alden      | Alden      | Maintena     | Maintenance           | No Problem             | Assessment          | N/A          |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 5515      | 0.250 Unk        | 6/1/1997   |              | ECP Not               | No Action              | Medium              | -            | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.301552        | 2369      | 0.000 Alden      | Alden      | 271 Pep      | Pep P0530407          | Surface Drainage       | Storm Proofing      | N/A          |       | 0      | 0    | 0       | 5     | 0     | 0    | \$1,115 | 122       |
| Storm Proofed    | 2369      | 0.250 R&S        | 1/26/200   | 7            | ECP Not               | Tip and Dip            | Medium              | -            | -     | 0      |      | 0       | 5     | 2     | 0    | \$9     | 122       |
|                  | Tip and l | Dip              |            |              |                       |                        |                     |              |       |        |      |         |       |       |      |         |           |
| 60.301552        | 5437      | 0.240 Pehl       | Alden      | 271 Pep      | Pep P0530407          | No Problem             | Maintenance         | III          |       | 0      | 0    | 0       | 0     | 0     | 0    | \$135   | 10        |
| Storm Proofed    | 5437      | 0.000 R&S        | 1/26/200   | 7            | ECP Not               | Dip Critical           | Medium              | -            | -     | 0      |      | 0       | 1     | 0     | 0    | \$14    | 10        |
|                  | Slide bel | ow road has un   | dermined   | the fill. Ex | cavate road edge. Out | slope and abandon road | l segment. Leave pa | ssable for A | ATV.  |        |      |         |       |       |      |         |           |
| 60.301552        | 5436      | 0.250 Alden      | Alden      | 271 Pep      | Pep P0530407          | Surface Drainage       | Assessment          | N/A          |       | 0      | 0    | 0       | 11    | 1     | 0    | \$3,347 | 247       |
| Deactivated      | 5436      | 0.755 R&S        | 1/26/200   | 7            | ECP Not               | Tip and Dip            | Medium              | -            | -     | 0      |      | 0       | 11    | 2     | 0    | \$14    | 247       |
|                  | Tip and l |                  |            |              |                       |                        |                     |              |       |        |      |         |       |       |      |         |           |
| 60.301552        | 1417      | 0.320 Pehl       | Alden      | 271 Pep      | Pep P0530407          | Fill - Road            | Maintenance         | II           |       | 0      | 0    | 0       | 3     | 0     | 0    | \$615   | 70        |
| Storm Proofed    | 1417      | 0.000 R&S        | 1/26/200   | 7            | ECP Not               | Excavate Soil          | Medium              | -            | -     | 0      |      | 0       | 3     | 0     | 0    | \$13    | 49        |
|                  |           |                  |            |              |                       | slope and abandon road |                     |              | ATV.  |        |      |         |       |       |      |         |           |
| 60.30155247      | 2371      | 0.000 Alden      |            | 271 Pep      | Pep P0530407          | Surface Drainage       | Storm Proofing      | N/A          |       | 0      | 0    | 0       | 2     | 0     | 0    | \$410   | 49        |
| Deactivated      | 2371      | 0.100 R&S        | 1/25/200   | 7            | ECP Not               | Tip and Dip            | Medium              | -            | -     | 0      |      | 0       | 2     | 0     | 0    | \$8     | 49        |
|                  | Tip and l | -                |            |              |                       |                        |                     |              |       |        |      |         |       |       |      |         |           |
| 60.30155247      | 5439      | 0.100 Alden      | Alden      | 1            | Pep P0530407          | No Problem             | Assessment          | II           |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Deactivated      | 5439      | 0.000 R&S        | 1/25/199   | 6            | ECP Not               | No Action              | Medium              | -            | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  |           | ssing was dug o  |            |              |                       |                        |                     |              |       |        |      |         |       |       |      |         |           |
| 60.30155247      | 5438      | 0.100 Alden      |            | 271 Pep      | Pep P0530407          | Surface Drainage       | Assessment          | N/A          |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 153       |
| Deactivated      | 5438      | 0.412 R&S        | 1/25/199   |              | ECP Not               | Tip and Dip            | Medium              | -            | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 153       |
|                  |           | l is barely conr |            |              |                       |                        |                     |              |       |        |      |         |       |       |      |         |           |
| 60.30157         | 1382      | 0.000 Pehl       | Kelly      |              | Storm Proofing        | Surface Drainage       | Storm Proofing      | N/A          |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 538       |
| Upgraded         | 1382      | 1.100 ME         | 12/29/20   |              | ECP Not               | Dip Rolling            | Medium              | -            | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 538       |
| 60.30157         | 5503      | 0.000 Chidlay    |            |              | Maintenance           | Other                  | Maintenance         | N/A          |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Private Seasonal | 5503      | 1.140 Unk        | 8/25/200   |              | ECP Not               | Herbicides             | Medium              | -            | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.30157         | 995       | 5.400 Pehl       | Pehl       | 96-404       | Lowery Openings       | Surface Drainage       | THP Clean Up        | N/A          |       | 0      | 0    | 0       | 0     | 0     | 0    | \$75    | 0         |
| Private Seasonal | 995       | 0.000 RB         | 12/5/200   |              | ECP Not               | Waterbar               | THP Low             | -            | -     | 0      |      | 0       | 1     | 0     | 0    | \$0     | 0         |
|                  |           | seep. Drain a    |            |              | •                     |                        |                     |              |       |        |      |         |       |       |      |         |           |
| 60.30157048      | 1207      | 0.000 Pehl       | Pehl       |              | Storm Proofing        | Surface Drainage       | Storm Proofing      | N/A          |       | 0      | 0    | 0       | 5     | 0     | 0    | \$828   | 147       |
| Upgraded         | 1207      | 0.300 ME         | 12/29/20   |              | ECP Not               | Dip Rolling            | Medium              | -            | -     | 0      |      | 0       | 4     | 0     | 0    | \$6     | 147       |
|                  | Road dra  | inage upgrade    | on State 4 | 0 Loop. Ou   | itslope and dip.      |                        |                     |              |       |        |      |         |       |       |      |         |           |

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| Road #           | GIS#       | Mile Plan        | Final      | THP#        | THP Name               | Problem                   | Repair Type          | Cr. Class | 8        | DRCs   | Rock | Left D  | Exca. | Truck | Gra.     | Cost         | Total Yds |
|------------------|------------|------------------|------------|-------------|------------------------|---------------------------|----------------------|-----------|----------|--------|------|---------|-------|-------|----------|--------------|-----------|
| Road Class       | ID#        | End Crew         | Done       | Rd Pt       | ECP Number             | Solution                  | Priority/Shedule     | Old Dia   | New [    | Dia Ln |      | Right D | Cat   | Labor | Yds      | \$/FSD       | FSD Yds   |
| 60.301574        | 1208       | 0.000 Pehl       | Pehl       | Storm Pro   | Storm Proofing         | Surface Drainage          | Storm Proofing       | N/A       |          | 0      | 0    | 0       | 6     | 0     | 0        | \$1,153      | 196       |
| Upgraded         | 1208       | 0.400 ME         | 12/29/20   | 01          | ECP Not                | Dip Rolling               | Medium               | -         | -        | 0      |      | 0       | 6     | 1     | 0        | \$6          | 196       |
|                  | Road dra   | inage upgrade    | on State 4 | 0 Loop. Or  | ıtslope and dip.       |                           |                      |           |          |        |      |         |       |       |          |              |           |
| 60.301582        | 5703       | 0.000 Chidlay    | v Chidlaw  | Maintena    | Maintenance            | Other                     | Maintenance          | N/A       |          | 0      | 0    | 0       | 0     | 0     | 0        | \$459        | 0         |
| Private Seasonal | 5703       | 0.740            | 8/1/2011   |             | ECP Not                | Herbicides                | Medium               | -         | -        | 0      |      | 0       | 0     | 12    | 0        | \$0          | 0         |
| 60.301589        | 5502       | 0.000 Chidlay    | v Chidlaw  | Maintena    | Maintenance            | Other                     | Maintenance          | N/A       |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 5502       | 1.100 Unk        | 8/25/200   | 9           | ECP Not                | Herbicides                | Medium               | -         | -        | 0      |      | 0       | 0     | 0     | 0        | \$0          | 0         |
| 60.3038          | 555        | 0.000 Kelly      | Kelly      | Maintena    | Maintenance            | Surface Drainage          | THP App. Rd.         | N/A       |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 555        | 1.900 Su         | 10/10/19   | 99          | ECP Not                | Dip Rolling               | Medium               | -         | -        | 0      |      | 0       | 9     | 0     | 0        | \$0          | 0         |
| 60.3038          | 111        | 0.010 Woolse     | y Alden    | 99-242      | Westside Flat          | Temp. Crossing            | THP App. Rd.         | I         |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 111        | 0.000 Unk        | 1/27/199   | 9           | ECP Not                | Temp. Crossing            | Medium               | 24"       | 24"      | 0      |      | 0       | 0     | 0     | 0        | \$0          | 0         |
|                  | At least t | hree 24 inch C   | MP's shall | be installe | d into the river cours | e, and ramped over with   | local gravel.        |           |          |        |      |         |       |       |          |              |           |
| 60.3038          | 5513       | 0.010 Alden      | Pehl       | Maintena    | Maintenance            | No Problem                | Maintenance          | I         |          | 0      | 38   | 0       | 13    | 10    | 0        | \$2,730      | 0         |
| Private Seasonal | 5513       | 0.000 R&S        | 6/22/200   | 1           | ECP Not                | Rock Surface              | Medium               | -         | -        | 0      |      | 0       | 5     | 0     | 0        | \$0          | 0         |
|                  | Improved   | l the east appro | ach to the | crossing.   |                        |                           |                      |           |          |        |      |         |       |       |          |              |           |
| 60.3038          | 111        | 0.010 Haschal    | k Bennett  | 11-087      | Kestrel                | Temp. Crossing            | THP App. Rd.         | I         |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 5534       | 0.000 Unk        | 8/26/201   | 5           | ECP Not                | Temp. Crossing            | Medium               | - 1       | RRBr     | 0      |      | 0       | 0     | 0     | 0        | \$0          | 0         |
|                  | See 1600   | agreement for    | r conditio | ns.         |                        |                           |                      |           |          |        |      |         |       |       |          |              |           |
| 60.3038          | 111        | 0.010 Hascha     | k Borcich  | 15-042      | Dogwood                | Temp. Crossing            | THP App. Rd.         | I         |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 6062       | 0.000 Unk        | 10/15/20   | 21          | ECP Not                | Bridge - Temp             | THP Med              | - 1       | RRBr     | 0      |      | 0       | 0     | 0     | 0        | \$0          | 0         |
|                  | See 1600   | agreement (10    | 600 2014   | 0012-R3) fe | or conditions of inst  | allations.                |                      |           |          |        |      |         |       |       |          |              |           |
|                  | River rur  | -                |            |             |                        | re it ramps down to the a | ctive channel. Angul |           | ds to be | •      |      |         |       |       | proach   |              |           |
| 60.3038          | 113        | 0.200 Woolse     | y          | 99-242      | Westside Flat          | No Problem                | THP App. Rd.         | III       |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 113        | 0.000 Unk        | 7/1/2000   |             | ECP Not                | No Action                 | Medium               | 24"       | -        | 0      |      | 0       | 0     | 0     | 0        | \$0          | 0         |
| 60.3038          | 113        | 0.200 Haschal    | k Bennett  | 11-087      | Kestrel                | Culv.                     | THP App. Rd.         | III       |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 4497       | 0.000 Unk        | 8/31/201   | 5           | ECP Not                | Excavate Soil             | Medium               | -         | -        | 0      |      | 0       | 0     | 0     | 0        | \$0          | 0         |
|                  | Dig out u  | pper end of cu   | lvert.     |             |                        |                           |                      |           |          |        |      |         |       |       |          |              |           |
| 60.3038          | 2264       | 0.280 Haschal    | k Bennett  | 11-087      | Kestrel                | Other                     | THP Non-Road         | III       |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 2264       | 0.000 Unk        | 8/31/201   | 5           | ECP Not                | Other                     | Medium               | -         | -        | 0      |      | 0       | 0     | 0     | 0        | \$0          | 0         |
|                  |            |                  |            |             |                        | h sides of the culvert if |                      |           |          |        |      |         |       |       | not pusl | hed into the | ;         |
|                  |            |                  |            |             |                        | ce a log berm on the sour |                      |           | and the  |        |      |         |       |       | 0        | 60           |           |
| 60.3038          | 114        | 0.300 Woolse     | •          |             | Westside Flat          | Surface Drainage          | THP App. Rd.         | III       | 24"      | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 114        |                  | 11/8/202   |             | ECP Not                | Culv. Install             | Medium               | -         | 24"      | U      |      | 0       | U     | 0     | 0        | \$0          | 0         |
| -                |            | wing through a   |            |             |                        | C C D :                   | NC : 4               | NT/A      |          | 0      | 0    | 0       | 0     | 0     | 0        | 0.0          |           |
| 60.3038          | 663        | 0.400 Kelly      | •          | Maintena    | Maintenance            | Surface Drainage          | Maintenance          | N/A       |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0<br>\$0   | 0         |
| Private Seasonal | 663        | 0.600 RR         | 12/22/19   |             | ECP Not                | Waterbar                  | Medium               | -         | -        | 0      | 0    | 0       | 0     | 26    | 0        | \$0          | 0         |
| 60.3038          | 115        | 0.400 Woolse     | •          | 99-242      | Westside Flat          | No Problem                | THP App. Rd.         | III       |          | 0      | 0    | 0       | 0     | 0     | 0        | \$0          | 0         |
| Private Seasonal | 115        | 0.000 Unk        | 7/1/2000   |             | ECP Not                | No Action                 | Medium               | 24"       | -        | 0      |      | 0       | 0     | 0     | 0        | \$0          | 0         |

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| Road #           | GIS#       | Mile Plan                    | Final         | THP#        | THP Name                                                                     | Problem                   | Repair Type             | Cr. Class    | s D         | RCs Rock    | Left D      | Exca | Truck | Gra. | Cost    | Total Yds |
|------------------|------------|------------------------------|---------------|-------------|------------------------------------------------------------------------------|---------------------------|-------------------------|--------------|-------------|-------------|-------------|------|-------|------|---------|-----------|
| Road Class       | ID#        | End Crew                     | / Done        | Rd Pt       | ECP Number                                                                   | Solution                  | Priority/Shedule        | Old Dia      | New Di      | a Ln        | Right D     | Cat  | Labor | Yds  | \$/FSD  | FSD Yds   |
| 60.3038          | 114        | 0.410 Hascha                 | ık Bennett    | 11-087      | Kestrel                                                                      | Surface Drainage          | Storm Proofing          | Spr.         |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2209       | 0.000 Unk                    | 8/31/2013     | 5           | ECP Not                                                                      | Dip Rolling               | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
|                  | Create ro  | lling dip , kee <sub>l</sub> | p outlet in   | same locat  | ion as present water ba                                                      | r (flags are in this loca | tion) so as to not crea | ite new clas | ss III eros | ion downhil | Į.          |      |       |      |         |           |
| 60.3038          | 2179       | 0.420 Hascha                 | ık Bennett    | 11-087      | Kestrel                                                                      | Surface Drainage          | Storm Proofing          | Spr.         |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2179       | 0.000 Unk                    | 8/31/2013     | 5           | ECP Not                                                                      | Dip Rolling               | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
|                  | create rol | ling dip , keep              | outlet in s   | ame locati  | on as present water bar                                                      | (flags are in this locat  | ion) so as to not crea  | te new clas  | s III erosi | on downhill |             |      |       |      |         |           |
| 60.3038          | 116        | 0.600 Woolse                 | ey            | 99-242      | Westside Flat                                                                | No Problem                | THP App. Rd.            | II           |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 116        | 0.000 Unk                    | 7/1/2000      |             | ECP Not                                                                      | No Action                 | Medium                  | 48"          | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
| 60.3038          | 116        | 0.600 Hascha                 | ık Bennett    | 11-087      | Kestrel                                                                      | Culv.                     | THP App. Rd.            | II           |             | 0 0         | 0           | 9    | 7     | 0    | \$3,525 | 200       |
| Private Seasonal | 4498       | 0.000 Unk                    | 8/31/2013     | 5           | GWDR 1-11-087 SC                                                             | Remove Crossing           | Medium                  | -            | -           | 0           | 0           | 9    | 12    | 0    | \$18    | 200       |
|                  | end of cu  | lvert also is ru             | sted thru. (  | Old 48" cu  | ad probably because of<br>lvert will be replaced w<br>mp water around site w | ith 72" culvert or cros   | sing will be pulled at  |              |             |             |             |      |       |      |         |           |
| 60.3038          | 2180       | 0.690 Hascha                 | ık Bennett    | 11-087      | Kestrel                                                                      | Surface Drainage          | Storm Proofing          | N/A          |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2180       | 0.000 Unk                    | 8/26/2013     | 5           | ECP Not                                                                      | Dip Rolling               | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
|                  | create ro  | ling dip in ord              | ler to interc | ept surfac  | e flow which is rilling                                                      | oad to the north, exact   | location is not critic  | al           |             |             |             |      |       |      |         |           |
| 60.3038          | 2181       | 0.750 Hascha                 | ık Bennett    | 11-087      | Kestrel                                                                      | Surface Drainage          | Storm Proofing          | N/A          |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2181       | 0.000 Unk                    | 8/26/2013     | 5           | ECP Not                                                                      | Dip Rolling               | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
|                  | enhance :  | rolling dip and              | drain insid   | le ditch, k | eep existing outlet poin                                                     | t (flagged)               |                         |              |             |             |             |      |       |      |         |           |
| 60.3038          | 117        | 0.830 Hascha                 | ak Bennett    | 11-087      | Kestrel                                                                      | Surface Drainage          | Storm Proofing          | III          |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2182       | 0.000 Unk                    | 8/26/2013     | 5           | ECP Not                                                                      | Ditch - Clean             | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
|                  | Enhance    | inside ditch or              | tilt road fi  | om this po  | oint to point #8 so that                                                     | lischarge from undergi    | round water pipe stay   | s off the ro | ad          |             |             |      |       |      |         |           |
| 60.3038          | 2183       | 0.850 Hascha                 | ık Bennett    | 11-087      | Kestrel                                                                      | Surface Drainage          | Storm Proofing          | III          |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2183       | 0.000 Unk                    | 8/26/2013     |             | ECP Not                                                                      | Dip Rolling               | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
|                  |            | rolling dip, Ro              |               |             |                                                                              |                           |                         |              |             |             |             |      |       |      |         |           |
| 60.3038          | 118        | 1.000 Woolse                 | ,             | 99-242      | Westside Flat                                                                | No Problem                | THP App. Rd.            | II           |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 118        | 0.000 Unk                    | 7/1/2000      |             | ECP Not                                                                      | No Action                 | Medium                  | 36"          | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
| 60.3038          | 118        | 1.000 Hascha                 | ık Bennett    | 11-087      | Kestrel                                                                      | CulvPlug                  | THP App. Rd.            | III          |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 4499       | 0.000 Unk                    | 8/26/2013     |             | ECP Not                                                                      | Excavate Soil             | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
| -                | Dig out h  |                              | -             |             | d above road and north                                                       | of watercourse to crea    | te berm so that water   |              | s into cul  |             |             |      |       |      |         |           |
| 60.3038          | 2184       | 1.260 Hascha                 |               |             | Kestrel                                                                      | Surface Drainage          | Storm Proofing          | N/A          |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2184       | 0.000 Unk                    | 8/26/2013     |             | ECP Not                                                                      | Dip Rolling               | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |
|                  | Enhance    |                              |               |             | re are places along this                                                     | road between point #8     |                         |              | all additio |             | lips at his |      |       |      |         |           |
| 60.3038          | 119        | 1.350 Hascha                 |               |             | Kestrel                                                                      | Temp. Crossing            | Storm Proofing          | II           |             | 0 0         | 0           | 0    | 0     | 0    | \$0     | 0         |
| Private Seasonal | 2185       | 0.000 Unk                    | 8/26/2013     | 5           | ECP Not                                                                      | Vented Ford               | Medium                  | -            | -           | 0           | 0           | 0    | 0     | 0    | \$0     | 0         |

If wet install temporary 4" or larger pipe. Sandbags filled with clean gravel shall be used to construct a coffer dam. The pipe within the crossing prism shall be covered with a layer of straw and then dirt to create a running surface. If no water is present then place dirt on top of a straw layer to create a running surface without a culvert. If no water is present then no coffer dam or sandbags will be required. Remove all crossing material and spread on road prior to winter period. Seed and mulch approaches at close of operations or before winter period.

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| Road #           | GIS#                  | Mile Plan                         | Final                | THP#                          | THP Name                                      | Problem                                                                                  | Repair Type                                 | Cr. Class         | DRC                       | s Rock               | Left D      | Exca.               | . Truck                 | Gra.               | Cost       | Total Yds |
|------------------|-----------------------|-----------------------------------|----------------------|-------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|---------------------------|----------------------|-------------|---------------------|-------------------------|--------------------|------------|-----------|
| Road Class       | ID#                   | End Crew                          | / Done               | Rd Pt                         | ECP Number                                    | Solution                                                                                 | Priority/Shedule                            | Old Dia           | New Dia L                 | n                    | Right D     | Cat                 | Labor                   | Yds                | \$/FSD     | FSD Yds   |
| 60.3038          | 120                   | 1.460 Hascha                      | ak Bennett           | 11-087                        | Kestrel                                       | Temp. Crossing                                                                           | Storm Proofing                              | II                | (                         | 0                    | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 2186                  | 0.000 Unk                         | 8/26/2013            | 5                             | ECP Not                                       | Vented Ford                                                                              | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
|                  | then dirt             | to create a run                   | ning surfac          | e. If no wa                   | ter is present then p                         | lean gravel shall be used t<br>lace dirt on top of a straw<br>ad on road prior to winter | layer to create a run                       | ning surface      | without a c               | ılvert. If           | no water    | is prese            | nt then n               | no coffe           |            | w and     |
| 60.3038          | 121                   | 1.600 Wools                       | ey Borcich           | 99-242                        | Westside Flat                                 | Dip Critical                                                                             | THP App. Rd.                                | III               | (                         | 0                    | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 121                   | 0.000 Unk                         | 11/8/2023            | 3                             | ECP Not                                       | Excavate Soil                                                                            | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
|                  |                       |                                   |                      |                               |                                               | d sediment to cobble sized road, or end hauled away                                      |                                             | material in       | the stream c              | annel sl             | nall be rem | oved d              | own to t                | he origi           | nal stream | oed       |
| 60.3038          | 121                   | 1.660 Hascha                      | ak Bennett           | 11-087                        | Kestrel                                       | Temp. Crossing                                                                           | Storm Proofing                              | II                | (                         | 0                    | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 2187                  | 0.000 Unk                         | 8/26/2013            | 5                             | ECP Not                                       | Vented Ford                                                                              | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
|                  |                       |                                   | ed. Remov            | e all crossii                 |                                               | lace dirt on top of a straw<br>ad on road prior to winter<br>Dip Critical                |                                             |                   |                           | of oper              |             |                     |                         |                    | s0         | 0         |
| Private Seasonal | 122                   | 0.000 Unk                         | 11/8/2023            | 3                             | ECP Not                                       | Dip Critical                                                                             | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| 60.3038          | 122                   | 1.770 Hascha                      | ak Bennett           | 11-087                        | Kestrel                                       | Temp. Crossing                                                                           | Storm Proofing                              | II                | (                         | 0                    | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 2188                  | 0.000 Unk                         | 8/26/2013            | 5                             | ECP Not                                       | Vented Ford                                                                              | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
|                  | then dirt<br>sandbags | to create a run<br>will be requir | ning surfaced. Remov | ce. If no wa<br>e all crossii | ter is present then p<br>ng material and spre | ean gravel shall be used to<br>lace dirt on top of a straw<br>ad on road prior to winter | layer to create a run<br>period. Seed and n | ning surface      | without a cuches at close | lvert. If<br>of oper | no water i  | is prese<br>efore w | nt then n<br>vinter per | no coffer<br>riod. | r dam or   |           |
| 60.3038          | 123                   | 1.800 Wools                       | •                    |                               | Westside Flat                                 | Culv.                                                                                    | THP App. Rd.                                | III               | (                         | . 0                  | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 123                   |                                   | 11/8/2023            |                               | ECP Not                                       | Culv. Ditch Relief                                                                       | Medium                                      | 24"               | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| (0.2020          |                       | ash racks. Dig                    |                      |                               |                                               | C 1 PI                                                                                   | Ct D C                                      | TT                |                           |                      | 0           | 0                   | 0                       | 0                  | 60         |           |
| 60.3038          | 123                   | 1.830 Hascha                      |                      |                               | Kestrel                                       | CulvPlug                                                                                 | Storm Proofing                              | II                |                           | 0                    | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 2189                  | 0.000 Unk                         |                      |                               | ECP Not                                       | Culv. Maintenance                                                                        | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| 60.3038          | 2190                  | 1.850 Hascha                      |                      |                               | Kestrel                                       | t. Clean head of culvert if Surface Drainage                                             | Storm Proofing                              | Spr.              |                           | 0                    | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 2190                  |                                   | 8/26/201:            |                               | ECP Not                                       | Dip Rolling                                                                              | Medium                                      | Spr.              | - (                       | -                    | 0           | 0                   | 0                       | 0                  | \$0<br>\$0 | 0         |
|                  |                       |                                   |                      |                               |                                               | ope the road from just nor                                                               |                                             | -<br>couthward to | ,                         |                      | Ü           | v                   | •                       | •                  | **         |           |
|                  | pipe to d             | rain springy ar                   | ea. Road c           | an be widei                   | ned towards the insi                          | de edge but log should be                                                                | placed on outside e                         | dge at slide      |                           | sidecas              | ting durin  | g work              | on this s               | site.              |            |           |
| 60.3038          | 2191                  | 1.880 Hascha                      |                      |                               | Kestrel                                       | CulvPlug                                                                                 | Storm Proofing                              | N/A               | (                         | 0                    | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 2191                  | 0.000 Unk                         | 8/26/201:            |                               | ECP Not                                       | Culv. Maintenance                                                                        | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
|                  |                       |                                   |                      |                               |                                               | culvert outlet. Outslope                                                                 |                                             |                   |                           |                      |             |                     |                         |                    |            |           |
| 60.303806        | 5848                  |                                   |                      | Maintena                      | Maintenance                                   | Other                                                                                    | Maintenance                                 | N/A               |                           | 0                    | 0           | 0                   | 0                       | 0                  | \$62       | 0         |
| Private Seasonal | 5848                  | 0.200                             | 8/1/2012             | 11.00=                        | ECP Not                                       | Herbicides                                                                               | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| 60.303806        | 2245                  | 0.010 Hascha                      |                      |                               | Kestrel                                       | Other                                                                                    | THP Non-Road                                | N/A               |                           | 0                    | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
| Private Seasonal | 2245                  |                                   | 8/31/201:            |                               | ECP Not                                       | Other                                                                                    | Medium                                      | -                 | - (                       |                      | 0           | 0                   | 0                       | 0                  | \$0        | 0         |
|                  | Seed an               | 1 mulch landin                    | g at close of        | ot operation                  | is. Waterbar top of l                         | naul road that leads down                                                                | to the Gualala.                             |                   |                           |                      |             |                     |                         |                    |            |           |

Bennett spoke to Kim Sone on 8/28/15. Waterbar is being left out due to throughout.

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| Road #           | GIS#       | Mile Plan         | Final      | THP#          | THP Name                                         | Problem                    | Repair Type          | Cr. Class    | s D         | RCs R    | lock    | Left D     | Exca.    | Truck    | Gra.     | Cost          | Total Yds |
|------------------|------------|-------------------|------------|---------------|--------------------------------------------------|----------------------------|----------------------|--------------|-------------|----------|---------|------------|----------|----------|----------|---------------|-----------|
| Road Class       | ID#        | End Crew          | Done       | Rd Pt         | ECP Number                                       | Solution                   | Priority/Shedule     | Old Dia      | New Dia     | a Ln     |         | Right D    | Cat      | Labor    | Yds      | \$/FSD        | FSD Yds   |
| 60.303806        | 2244       | 0.160 Haschal     | k Bennett  | t 11-087      | Kestrel                                          | Other                      | THP Non-Road         | II           |             | 0        | 0       | 0          | 0        | 0        | 0        | \$0           | 0         |
| Private Seasonal | 2244       |                   | 8/31/201   |               | ECP Not                                          | Other                      | Medium               | -            | _           | 0        |         | 0          | 0        | 0        | 0        | \$0           | 0         |
|                  |            |                   |            |               |                                                  | n class II watercourse. L  |                      | e of operati | ions. Seed  | and mu   | lch la  |            |          |          |          |               |           |
| 60.303806        | 2177       | 0.180 Haschal     |            |               | Kestrel                                          | Temp. Crossing             | Storm Proofing       | Swale        |             | 0        | 0       | 0          | 0        | 0        | 0        | \$0           | 0         |
| Private Seasonal | 2177       | 0.000 Unk         | 8/31/201   | 15            | ECP Not                                          | Temp. Crossing             | Medium               | -            | -           | 0        |         | 0          | 0        | 0        | 0        | \$0           | 0         |
|                  | Move ex    | isting rolling di | p 20 feet  | north so the  | at runoff is intercepte                          | d and directed across roa  | ad.                  |              |             |          |         |            |          |          |          |               |           |
| 60.303806        | 2157       | 0.180 Haschal     | k Bennett  | t 11-087      | Kestrel                                          | Temp. Crossing             | Storm Proofing       | III          |             | 0        | 0       | 0          | 0        | 0        | 0        | \$0           | 0         |
| Private Seasonal | 2157       | 0.000 Unk         | 8/31/201   | 15            | ECP Not                                          | Temp. Crossing             | Medium               | -            | -           | 0        |         | 0          | 0        | 0        | 0        | \$0           | 0         |
|                  | Enhance    | and maintain ex   | xisting ro | olling dip    |                                                  |                            |                      |              |             |          |         |            |          |          |          |               |           |
| 60.30380605      | 2469       | 0.000 Alden       | Pehl       | 00-391        | Terrapin Station                                 | Surface Drainage           | THP Not              | N/A          |             | 0        | 0       | 0          | 0        | 0        | 0        | \$0           | 244       |
| Storm Proofed    | 2469       | 0.500 AL          | 9/5/2004   | 4             | ECP Not                                          | Tip and Dip                | Medium               | -            | -           | 0        |         | 0          | 0        | 0        | 0        | \$0           | 244       |
| 60.30380605      | 2686       | 0.000 Pehl        | Pehl       | 00-391        | Terrapin Station                                 | No Problem                 | THP Maint Insp       | N/A          |             | 0        | 0       | 0          | 0        | 0        | 0        | \$0           | 0         |
| Private Seasonal | 2686       | 0.450 Unk         | 12/28/20   | 005           | ECP Not                                          | No Action                  | No Action            | -            | -           | 0        |         | 0          | 0        | 0        | 0        | \$0           | 0         |
|                  | Wet wea    | ther inspection.  | Pipes of   | kay. Everyt   | hing very wet after 5"                           | of rain in previous 24 h   | ours.                |              |             |          |         |            |          |          |          |               |           |
| 60.30380605      | 5849       | 0.000 Chidlaw     | v Chidlav  | w Maintena    | Maintenance                                      | Other                      | Maintenance          | N/A          |             | 0        | 0       | 0          | 0        | 0        | 0        | \$157         | 0         |
| Private Seasonal | 5849       | 0.500             | 8/1/2012   | 2             | ECP Not                                          | Herbicides                 | Medium               | -            | -           | 0        |         | 0          | 0        | 0        | 0        | \$0           | 0         |
| 60.30380605      | 800        | 0.020 McCanl      | l Pehl     | 00-391        | Terrapin Station                                 | CulvHDP                    | THP New Con.         | П            |             | 0        | 0       | 0          | 1        | 0        | 0        | \$90          | 0         |
| Private Seasonal | 800        | 0.000 AL          | 10/15/20   | 004           | ECP Not                                          | Dip Critical               | Medium               | 30"          | -           | 0        |         | 0          | 1        | 0        | 0        | \$0           | 0         |
|                  | a 30" cm   | p on a class 2 a  | new ins    | tall OK but   | not to grade. Cmp ha                             | s DP to left. Treat: ad    | d CD left hinge and  | clear inlet  | area.       |          |         |            |          |          |          |               |           |
| 60.30380605      | 800        | 0.020 Woolse      | y Pehl     | 00-391        | Terrapin Station                                 | Dip Critical               | THP App. Rd.         | III          |             | 0        | 0       | 0          | 0        | 0        | 0        | \$0           | 0         |
| Private Seasonal | 126        | 0.000 Unk         | 12/31/20   | 004           | ECP Not                                          | Dip Critical               | Medium               | -            | -           | 0        |         | 0          | 0        | 0        | 0        | \$0           | 0         |
| 60.30380605      | 800        | 0.020 Woolse      | y Pehl     | 00-391        | Terrapin Station                                 | Dip Critical               | THP App. Rd.         | III          |             | 0        | 0       | 0          | 0        | 0        | 0        | \$0           | 0         |
| Private Seasonal | 125        | 0.000 Unk         | 12/31/20   | 004           | ECP Not                                          | Dip Critical               | Medium               | -            | -           | 0        |         | 0          | 0        | 0        | 0        | \$0           | 0         |
| 60.30380605      | 801        | 0.150 McCanl      | Pehl       | 00-391        | Terrapin Station                                 | Culv.                      | THP New Con.         | III          |             | 0        | 0       | 0          | 3        | 0        | 0        | \$1,006       | 20        |
| Private Seasonal | 801        | 0.000 AL          | 10/15/20   | 004           | ECP Not                                          | Culv. Replace              | Medium               | 18"          | 24"         | 40       |         | 0          | 3        | 3        | 120      | \$50          | 20        |
|                  | a 18" cm   | p on a class 3 f  | low goes   | sub-surfac    | e 10' above inlet and e                          | merges 35' below outlet    | treat: replace with  | 1 24" cmp t  | to grade in | stall CI | o add   | DS if nee  | ded      |          |          |               |           |
| 60.30380605      | 802        | 0.160 McCanl      | l Pehl     | 00-391        | Terrapin Station                                 | Inside ditch               | THP New Con.         | N/A          |             | 0        | 0       | 0          | 2        | 0        | 0        | \$652         | 0         |
| Private Seasonal | 802        | 0.000 AL          | 10/15/20   | 004           | ECP Not                                          | Culv. Ditch Relief         | Medium               | -            | 18"         | 40       |         | 0          | 2        | 2        | 0        | \$0           | 0         |
|                  | install 18 | " DRC to disco    | nnect dit  | tch from site | : <b>#59</b>                                     |                            |                      |              |             |          |         |            |          |          |          |               |           |
| 60.30380605      | 803        | 0.200 McCanl      | l Pehl     | 00-391        | Terrapin Station                                 | CulvHDP-Plug               | THP New Con.         | III          |             | 0        | 0       | 0          | 4        | 0        | 0        | \$1,096       | 50        |
| Private Seasonal | 803        | 0.000 AL          | 10/15/20   | 004           | ECP Not                                          | Culv. Replace              | Medium               | 18"          | 24"         | 40       |         | 0          | 4        | 2        | 150      | \$22          | 50        |
|                  |            | •                 | nlet overg | grown with    | willows and outlet cov                           | vered with logging slash   | cmp shallow installe | ed and has   | DP to left. | Trea     | t : rep | lace with  | 24" to   | grade ac | id CD i  | eft hinge , a | ıdd DS    |
|                  | if needed  |                   |            |               |                                                  |                            |                      |              |             |          |         |            |          |          |          |               |           |
| 60.30380605      | 804        | 0.250 McCanl      |            | 00-391        | Terrapin Station                                 | Other                      | THP New Con.         | III          |             | 0        | 0       | 0          | 4        | 0        | 0        | \$1,096       | 0         |
| Private Seasonal | 804        | 0.000 AL          | 10/15/20   |               | ECP Not                                          | Culv. Install              | Medium               | -            | 24"         | 40       |         | 0          | 4        | 2        | 80       | \$0           | 0         |
|                  |            |                   |            |               | 0' above inlet sub-sur<br>inlet add CD left hing | rface flow visible in sink | 1' deep . Flow emer  | ges 20' bel  | low OBR.    | Treat    | inst    | ıll 24" cm | p to gra | ade, gra | de up cl | nannel 30' i  | .0        |
| 60.30380605      | 805        | 0.350 McCanl      |            | 00-391        | Terrapin Station                                 | CulvHDP                    | THP New Con.         | III          |             | 0        | 0       | 0          | 3        | 0        | 0        | \$1,006       | 0         |
| Private Seasonal | 805        | 0.000 AL          | 10/15/20   |               | ECP Not                                          | Culv. Replace              | Medium               | 18"          | 24"         | 40       | J       | 0          | 3        | 3        | 0        | \$1,000       | 0         |
|                  |            |                   |            |               |                                                  | Outlet erosion treat: 1    |                      |              |             |          | need    |            | 3        | 5        | Ü        | ΨΟ            | O .       |
|                  | - 10 VIII  | P on a boasonar   | -1000 J (  | P GHGHOW      |                                                  | . Canol Globioli Hoat. I   | p.uoo mini 27 omp    | Branc a      | OD, du      | U II     | 2200    |            |          |          |          |               |           |

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| Road #           | GIS#      | Mile Plan                 | Final       | THP#          | THP Name                 | Problem                  | Repair Type          | Cr. Class      | :        | DRCs F | Rock | Left D  | Exca | Truck | Gra. | Cost     | Total Yds |
|------------------|-----------|---------------------------|-------------|---------------|--------------------------|--------------------------|----------------------|----------------|----------|--------|------|---------|------|-------|------|----------|-----------|
| Road Class       | ID#       | End Crew                  |             |               | ECP Number               | Solution                 | Priority/Shedule     |                |          |        | took | Right D |      | Labor |      | \$/FSD   | FSD Yds   |
|                  |           |                           |             |               |                          |                          | •                    |                | 110111   |        | 0    |         |      |       |      |          |           |
| 60.304701        | 1683      | 0.000 Pehl                | Pehl        | 99-282        | Bailey                   | Surface Drainage         | Maintenance          | N/A            |          | 0      | 0    | 0       | 0    | 0     | 0    | \$240    | 0         |
| Private Seasonal | 1683      | 0.280 Su                  | 7/10/200    |               | ECP Not                  | Waterbar                 | Medium               | -              | -        | 0      |      | 0       | 3    | 0     | 0    | \$0      | 0         |
| 60.3051          | 2117      | rbars to replace          |             |               |                          | No Problem               | TIID Maint Incom     | N/A            |          | 0      | 0    | 0       | 0    | 0     | 0    | \$0      | 0         |
|                  |           | 0.000 Bennet              |             |               | Little Pepper            |                          | THP Maint Insp       |                |          | 0      | U    |         | 0    | -     |      |          |           |
| Private Seasonal | 2117      | 0.000 Unk                 | 2/10/200    |               | ECP Not                  | No Action                | Medium               | -<br>NI/A      | -        | -      | 0    | 0       |      | 0     | 0    | \$0      | 0         |
| 60.3051          | 2116      | 0.000 Bennet              |             |               | Upper Big Pepperwo       |                          | THP Maint Insp       | N/A            |          | 0      | U    |         | 0    | 0     |      | \$0      | 0         |
| Private Seasonal | 2116      | 0.000 Unk                 | 2/10/200    |               | ECP Not                  | No Action                | Medium               | -<br>NT/A      | -        | 0      | 0    | 0       | 0    | 0     | 0    | \$0      | 0         |
| 60.3051          | 2115      | 0.000 Bennet              |             | 98-318        | Pepperwood_98            | No Problem               | THP Maint Insp       | N/A            |          | 0      | 0    | 0       | 0    | 0     | 0    | \$0      | 0         |
| Private Seasonal | 2115      | 0.000 Unk                 | 2/10/200    |               | ECP Not                  | No Action                | Medium               | -              | -        | 0      |      | 0       | 0    | 0     | 0    | \$0      | 0         |
| 60.3051          | 2675      | 0.000 Pehl                | Pehl        | 98-318        | Pepperwood_98            | No Problem               | THP Maint Insp       | N/A            |          | 0      | 0    | 0       | 0    | 0     | 0    | \$0      | 0         |
| Private Seasonal | 2675      | 3.200 Unk                 | 12/23/20    |               | ECP Not                  | No Action                | No Action            | -              | -        | 0      |      | 0       | 0    | 0     | 0    | \$0      | 0         |
| -                |           | spection. Roa             | d Blocke    | d by root w   | ad at 0.68 and numerou   | is trees elsewhere.      |                      |                |          |        |      |         |      |       |      |          |           |
| 60.3051          | 2343      | 0.000 Alden               | Alden       | 271 Pep       | Pep P0530407             | Surface Drainage         | Storm Proofing       | N/A            |          | 0      | 0    | 0       | 45   | 7     | 0    | \$9,300  | 1,467     |
| Storm Proofed    | 3984      | 3.000 R&S                 | 4/23/200    | 07            | ECP Not                  | Tip and Dip              | Medium               | -              | -        | 0      |      | 0       | 40   | 0     | 0    | \$6      | 1,467     |
|                  | Γip and I | Dip                       |             |               |                          |                          |                      |                |          |        |      |         |      |       |      |          |           |
| 60.3051          | 5698      | 0.000 Chidla              | w Chidlav   | v Maintena    | Maintenance              | Other                    | Maintenance          | N/A            |          | 0      | 0    | 0       | 0    | 0     | 0    | \$1,457  | 0         |
| Private Seasonal | 5698      | 2.960                     | 8/1/2011    |               | ECP Not                  | Herbicides               | Medium               | -              | -        | 0      |      | 0       | 0    | 39    | 0    | \$0      | 0         |
| 60.3051          | 2336      | 0.040 Alden               | Pehl        | 271 Pep       | Pep P0530407             | Bridge                   | Storm Proofing       | I              |          | 0      | 0    | 0       | 31   | 26    | 0    | \$21,825 | 0         |
| Private Seasonal | 2336      | 0.000~R&S                 | 8/7/2008    | 3             | ECP Not                  | Bridge - Perm            | Medium               | RRBr 1         | RRBr     | 53     |      | 0       | 31   | 16    | 0    | \$0      | 0         |
| ]                | Instal mu | nchke block al            | butments :  | and a new s   | teel decked bridge.      |                          |                      |                |          |        |      |         |      |       |      |          |           |
| 60.3051          | 2059      | 0.120 Pehl                | Pehl        | Maintena      | Maintenance              | Surface Drainage         | Maintenance          | N/A            |          | 0      | 0    | 0       | 3    | 0     | 0    | \$600    | 64        |
| Upgraded         | 2059      | 0.250 ME                  | 8/29/200    | )2            | ECP Not                  | Dip Rolling              | Medium               | -              | -        | 0      |      | 0       | 3    | 0     | 0    | \$9      | 64        |
| 60.3051          | 4607      | 0.130 Alden               | Alden       | 271 Pep       | Pep P0530407             | Surface Drainage         | Storm Proofing       | N/A            |          | 0      | 0    | 0       | 16   | 5     | 0    | \$7,625  | 89        |
| Storm Proofed    | 4607      | 0.210 R&S                 | 5/14/200    | )8            | ECP Not                  | Tip and Dip              | Medium               | _              | -        | 0      |      | 0       | 48   | 8     | 600  | \$134    | 57        |
| ]                | Remove 1  | berm fill in thr          | ough cut.   |               |                          |                          |                      |                |          |        |      |         |      |       |      |          |           |
| 60.3051          | 6576      | 0.160 Hascha              | k Borcich   | 17-104        | Elm                      | Temp. Crossing           | THP App. Rd.         | Spr.           |          | 0      | 0    | 0       | 0    | 0     | 0    | \$0      | 0         |
| Private Seasonal | 6576      | 0.000 Unk                 | 10/15/20    | 19            | ECP Not                  | Temp. Crossing           | Medium               | -              | -        | 0      |      | 0       | 0    | 0     | 0    | \$0      | 0         |
| \$               | Spring di | rains into insid          | e ditch tha | at needs to b | e crossed for road/skid  | trail. Install 6" spring | drain culvert and pu | ıll at close o | f operat | tions. |      |         |      |       |      |          |           |
| 60.3051          | 4615      | 0.240 Alden               |             | 271 Pep       | Pep P0530407             | CulvDitch Relief         | Storm Proofing       | N/A            | -        | 0      | 0    | 0       | 7    | 0     | 0    | \$2,907  | 0         |
| Private Seasonal | 4615      | 0.000 R&S                 | 5/22/200    | )8            | ECP Not                  | Culv. Install            | Medium               | -              | 18"      | 80     |      | 0       | 11   | 2     | 0    | \$0      | 0         |
| 60.3051          | 2967      | 0.250 Pehl                | Pehl        | Maintena      | Maintenance              | Surface Drainage         | Maintenance          | N/A            |          | 0      | 0    | 0       | 9    | 0     | 0    | \$1,035  | 1,320     |
| Upgraded         | 2967      | 2.950 R&S                 | 6/6/2006    | ·             | ECP Not                  | Tip and Dip              | Medium               | _              | _        | 0      |      | 0       | 9    | 0     | 0    | \$1      | 1,320     |
| 60.3051          | 49        | 0.350 Lewick              | ri Pehl     | 98-318        | Pepperwood 98            | Surface Drainage         | THP New Con.         | N/A            |          | 0      | 0    | 0       | 3    | 0     | 0    | \$360    | 0         |
| Private Seasonal | 49        | 0.000 ME                  | 11/15/20    |               | ECP Not                  | Other                    | Medium               | _              | _        | 0      | -    | 0       | 0    | 0     | 0    | \$0      | 0         |
|                  |           | ed dry ford               | 11.15,20    |               | =01 1.00                 |                          |                      |                |          | v      |      | v       | ,    | v     | ,    | ΨΟ       | V         |
| 60.3051          | 6548      | 0.470 Hascha              | k Boreich   | 17-104        | Elm                      | Slide - Deep             | THP App. Rd.         | N/A            |          | 0      | 0    | 0       | 8    | 8     | 0    | \$2,520  | 1,000     |
| Private Seasonal | 6559      | 0.470 Hasena<br>0.000 Unk | 10/15/20    |               | GWDR-1-17-104 SO         | 1                        | High                 | - 14/11        | _        | 0      | 3    | 0       | 8    | 0     | 0    | \$10     | 250       |
|                  |           |                           |             |               | oad. Cracks further up r |                          | U                    | -              |          |        |      | v       | . 0  |       | •    |          |           |

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gained by cutting into the existing road cut bank apporimately 3-5 feet. Perched and cracked fill along the outer road edge shall be pulled back and road runoff shall be controlled from

concentrating onto the failed outer road edge.. Place a rolling dip or outslope road above this point so that road runoff is diverted before reaching this spot.

| Road #           | GIS#                  | Mile Plan         | Final      | THP#         | THP Name               | Problem                  | Repair Type           | Cr. Clas    | s C        | RCs Ro      | ck Left D     | Exca      | . Truck    | Gra.     | Cost         | Total Yds   |
|------------------|-----------------------|-------------------|------------|--------------|------------------------|--------------------------|-----------------------|-------------|------------|-------------|---------------|-----------|------------|----------|--------------|-------------|
| Road Class       | ID#                   | End Crew          | Done       | Rd Pt        | ECP Number             | Solution                 | Priority/Shedule      |             |            | ia Ln       | Right I       | D Cat     | Labor      | Yds      | \$/FSD       | FSD Yds     |
| 60.3051          | 1315                  | 0.560 McCan       | l Alden    | 271 Pep      | Pep P0530407           | Humboldt                 | Storm Proofing        | III         |            | 0           | 0 0           | 13        | 3          | 0        | \$4,192      | 15          |
| Private Seasonal | 1315                  |                   | 8/12/200   |              | ECP Not                | Excavate Soil            | High                  | _           | 24"        | 60          | 0             | 8         | 10         | 593      | \$279        | 15          |
|                  |                       |                   |            |              | t outlet indicating bu | ried logsflow crosses ro | e                     | REAT exca   | vate top t | o bot inst  | all cmp to g  | rade ado  | l critical | dip      | •            |             |
| 60.3051          | 6547                  | 0.800 Haschal     |            |              | Elm                    | Surface Drainage         | THP App. Rd.          | N/A         | •          | 0           | 0 0           | 0         | 0          | 0        | \$0          | 0           |
| Private Seasonal | 6547                  | 1.000 Unk         | 10/15/20   | 19           | ECP Not                | Dip Rolling              | Medium                | -           | -          | 0           | 0             | 0         | 0          | 0        | \$0          | 0           |
|                  |                       | ion of road is v  | •          |              | ting large rolling dip | s are working quite well | except at the very to | p. Enhance  | drainage   | at the top  | with a rolli  | ing dip a | ınd mair   | tain and | i/or enhance | the:        |
| 60.3051          | 6580                  | 1.320 Haschal     | <u> </u>   |              | Elm                    | Surface Drainage         | THP App. Rd.          | N/A         |            | 0           | 0 0           | 0         | 0          | 0        | \$0          | 0           |
| Private Seasonal | 6580                  | 0.000 Unk         | 10/15/20   | 19           | ECP Not                | Dip Rolling              | Medium                | -           | -          | 0           | 0             | 0         | 0          | 0        | \$0          | 0           |
|                  | Rolling o             | lip to drain road | d better.  |              |                        |                          |                       |             |            |             |               |           |            |          |              |             |
| 60.3051          | 50                    | 1.700 Lewick      | i Pehl     | 98-318       | Pepperwood_98          | Slide - Deep             | THP New Con.          | N/A         |            | 0           | 0 0           | 0         | 0          | 0        | \$0          | 0           |
| Private Seasonal | 50                    | 0.000 Unk         | 7/1/2001   |              | ECP Not                | Other                    | Medium                | -           | -          | 0           | 0             | 0         | 0          | 0        | \$0          | 0           |
|                  | Outslope              | road              |            |              |                        |                          |                       |             |            |             |               |           |            |          |              |             |
| 60.3051          | 51                    | 1.800 Lewick      | i Pehl     | 98-318       | Pepperwood_98          | No Problem               | THP New Con.          | N/A         |            | 0           | 0 0           | 0         | 0          | 0        | \$0          | 0           |
| Private Seasonal | 51                    | 0.000 Unk         | 7/1/2000   | )            | ECP Not                | No Action                | Medium                | -           | -          | 0           | 0             | 0         | 0          | 0        | \$0          | 0           |
|                  | New road              | d is 60.305145    | ???        |              |                        |                          |                       |             |            |             |               |           |            |          |              |             |
| 60.3051          | 1206                  | 1.900 Pehl        | Pehl       | Storm Pro    | Storm Proofing         | Surface Drainage         | Storm Proofing        | N/A         |            | 0           | 0 0           | 31        | 0          | 0        | \$5,668      | 978         |
| Upgraded         | 1206                  | 3.900 ME          | 12/29/20   | 001          | ECP Not                | Dip Rolling              | Medium                | -           | -          | 0           | 0             | 28        | 2          | 0        | \$6          | 978         |
|                  | Road dra              | inage upgrade     | on State 4 | 10 Loop. Or  | ıtslope and dip.       |                          |                       |             |            |             |               |           |            |          |              |             |
| 60.3051          | 1316                  | 1.970 McCan       | 1          | Storm Pro    | Storm Proofing         | Dip Critical             | Storm Proofing        | III         |            | 0           | 0 0           | 0         | 0          | 0        | \$0          | 0           |
| Private Seasonal | 1316                  | 0.000 Unk         | 7/1/2000   | )            | ECP Not                | No Action                | No Action             | -           | -          | 0           | 0             | 0         | 0          | 0        | \$0          | 0           |
|                  | rolling di            | ip on class 3 O   | K no act   |              |                        |                          |                       |             |            |             |               |           |            |          |              |             |
| 60.3051          | 52                    | 2.400 Lewick      | i Pehl     | 98-318       | Pepperwood_98          | No Problem               | THP New Con.          | N/A         |            |             | 0 0           | 0         | 0          | 0        | \$0          | 0           |
| Private Seasonal | 52                    |                   | 7/1/2000   | )            | ECP Not                | No Action                | Medium                | -           | -          | 0           | 0             | 0         | 0          | 0        | \$0          | 0           |
|                  |                       | d is 60.305160    |            |              |                        |                          |                       |             |            |             |               |           |            |          |              |             |
| 60.3051          | 5504                  | 2.980 Chidlav     |            |              | Maintenance            | Other                    | Maintenance           | N/A         |            |             | 0 0           | 0         | 0          | 0        | \$0          | 0           |
| Private Seasonal | 5504                  | 3.900 Unk         | 8/25/200   |              | ECP Not                | Herbicides               | Medium                | -           | -          | 0           | 0             | 0         | 0          | 0        | \$0          | 0           |
| 60.3051          | 996                   | 3.580 Pehl        | Pehl       | 96-404       | Lowery Openings        | Culv.                    | THP Clean Up          | III         |            |             | 0 0           | 0         | 0          | 0        | \$100        | 0           |
| Private Seasonal | 996                   | 0.000 Unk         | 12/5/200   |              | ECP Not                | Culv. Maintenance        | THP Low               | -           | -          | 0           | 0             | 0         | 2          | 0        | \$0          | 0           |
| -                |                       |                   |            |              | <u> </u>               | om seep is to deep for p |                       | • •         | tch or ins |             | •             |           | •          |          | •            |             |
| 60.305115        | 4156                  | 0.000 Alden       |            | 271 Pep      | Pep P0530407           | Surface Drainage         | Storm Proofing        | N/A         |            |             | 0 0           | 8         | 0          | 0        | \$2,033      | 156         |
| Storm Proofed    | 4156                  | 0.320 R&S         | 4/10/200   | )7           | ECP Not                | Tip and Dip              | Medium                | -           | -          | 0           | 0             | 13        | 0          | 0        | \$13         | 156         |
| -                | Tip and l             |                   |            |              |                        |                          |                       | **/.        |            |             |               |           |            |          | ***          |             |
| 60.305118        | 2340                  | 0.000 Alden       | Alden      | 271 Pep      | Pep P0530407           | Surface Drainage         | Storm Proofing        | N/A         |            |             | 0 0           | 11        | 4          | 0        | \$3,208      | 244         |
| Abandoned Fixed  |                       | 0.500 R&S         | 7/6/2007   |              | ECP Not                | Tip and Dip              | Medium                | -           | -          | 0           | 0             | 12        | 14         | 0        | \$13         | 244         |
|                  | Tip and l             |                   |            |              |                        |                          |                       |             |            |             |               |           |            |          |              |             |
| 60.305118        | 1242                  | 0.090 McCan       |            | 271 Pep      | Pep P0530407           | Fill - Road              | Storm Proofing        | III         | ~ "        |             | 0 0           | 3         | 0          | 0        | \$2,813      | 207         |
| Abandoned Fixed  |                       |                   | 7/1/2008   |              | ECP Not                | Remove Crossing          | High                  | -           | Pull       | 0           | 0             | 25        | 0          | 207      | \$23         | 124         |
|                  | potential<br>location | road fill failure | on 90%     | slopes failu | re located in small sv | vale scarps and cracks p | present TREAT ex      | cavate fill | and and s  | tore left a | nd right of s | wale, c   | onstruct   | rolling  | dip at swal  | <b>&gt;</b> |

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| Road #           | GIS#      | Mile Plan                                | Final     | THP#        | THP Name              | Problem                   | Repair Type             | Cr. Class         | s C          | ORCs Roc     | k Left D     | Exca    | . Truck  | Gra.       | Cost          | Total Yds |
|------------------|-----------|------------------------------------------|-----------|-------------|-----------------------|---------------------------|-------------------------|-------------------|--------------|--------------|--------------|---------|----------|------------|---------------|-----------|
| Road Class       | ID#       | End Crew                                 | Done      | Rd Pt       | ECP Number            | Solution                  | Priority/Shedule        | Old Dia           | New D        | ia Ln        | Right D      | Cat     | Labor    | Yds        | \$/FSD        | FSD Yds   |
| 60.305118        | 1241      | 0.190 McCanl                             | Alden     | 271 Pep     | Pep P0530407          | Humboldt                  | Storm Proofing          | III               |              | 0 0          | 0            | 3       | 6        | 0          | \$1,285       | 20        |
| Abandoned Fixed  | 1241      | 0.000 R&S                                | 7/1/2008  |             | ECP Not               | Remove Crossing           | High                    | -                 | Pull         | 0            | 0            | 4       | 0        | 200        | \$64          | 20        |
| С                | lass 3 fi | l crossing with                          | OBF fail  | ure present | , spring located to   | right of crossing TREA    | AT excavate crossing    | top to bot l      | l , lay side | es back 2 to | 1 endhaul    | spoils  | to right |            |               |           |
| 60.305118        | 1240      | 0.200 McCanl                             | Alden     | 271 Pep     | Pep P0530407          | Fill - Road               | Storm Proofing          | N/A               | <u> </u>     | 0 0          |              | 2       | 0        | 0          | \$450         | 145       |
| Abandoned Fixed  | 1240      | 0.000 R&S                                | 7/1/2008  |             | ECP Not               | Excavate Soil             | Medium                  | -                 | -            | 0            | 0            | 2       | 0        | 145        | \$4           | 109       |
| p                | otential  | road fill failure                        | with spri | ng located  | at cutbank TREA       | T excavate road fill stor | e spoil left and right  | of spring c       | onstruct r   | olling dip a | t spring     |         |          |            |               |           |
| 60.305118        | 1239      | 0.280 McCanl                             | Alden     | 271 Pep     | Pep P0530407          | Fill - Road               | Storm Proofing          | N/A               |              | 0 0          | 0            | 1       | 0        | 0          | \$325         | 326       |
| Abandoned Fixed  | 1239      | 0.000 R&S                                | 6/30/200  | 8           | ECP Not               | Excavate Soil             | Medium                  | -                 | -            | 0            | 0            | 2       | 0        | 326        | \$2           | 163       |
|                  |           | road fill failure<br>olling dip at sw    |           |             |                       | m, small crack and scarpe | showing fill carries    | thru small        | swale sho    | owing mino   | r surface er | osion   | TREAT    | Γ excav    | ate road fill |           |
| 60.305118        | 1238      | 0.300 McCanl                             |           |             | Pep P0530407          | Fill - Road               | Storm Proofing          | N/A               |              | 0 0          | 0            | 2       | 0        | 0          | \$550         | 281       |
| Abandoned Fixed  |           |                                          | 6/30/200  | •           | ECP Not               | Excavate Soil             | Medium                  | 11/74             | _            | 0            | 0            | 3       | 0        | 281        | \$330         | 253       |
|                  |           |                                          |           |             |                       | cracks and scarps showing |                         | -<br>nent Fill is | well ven     | Ü            | -            | -       | •        |            | *             |           |
| -                |           | excavate fill end                        |           |             |                       | cracks and scarps shown   | ig , no present mover   | nent. Phi is      | wen veg      | itated with  | silian comi  | us. Sp  | ing ioca | iica iiiic | -point of si  | i.C       |
| 60.305118        | 1237      | 0.350 McCanl                             |           |             | Pep P0530407          | Humboldt                  | Storm Proofing          | III               |              | 0 0          | 0            | 3       | 0        | 0          | \$875         | 95        |
| Abandoned Fixed  | 1237      | 0.000 R&S                                | 6/30/200  | 8           | ECP Not               | Remove Crossing           | High                    | -                 | Pull         | 0            | 0            | 2       | 6        | 563        | \$9           | 95        |
| c                | lass 3 st | ream crossing,                           | with no f | low presen  | t time OBF of cross   | sing having past failures | TREAT ex                | cavtate top       | to bot la    | y sides bacl | c 2 to 1 en  | dhaul 2 | 75 yrds. | To rig     | ht to spoil s | ite       |
| 60.305118        | 1236      | 0.400 McCanl                             | Alden     | 271 Pep     | Pep P0530407          | Fill - Road               | Storm Proofing          | N/A               |              | 0 0          | 0            | 1       | 0        | 0          | \$275         | 222       |
| Abandoned Fixed  | 1236      | 0.000 R&S                                | 6/30/200  | 8           | ECP Not               | Excavate Soil             | Medium                  | -                 | -            | 0            | 0            | 1       | 1        | 222        | \$4           | 67        |
| p                | otential  | road fill failure                        | showing   | 1' to 2 ver | tical scarps well mo  | ssed over TREAT excar     | ate fill store locally  |                   |              |              |              |         |          |            |               |           |
| 60.305118        | 1235      | 0.470 McCanl                             | Alden     | 271 Pep     | Pep P0530407          | Fill - Road               | Storm Proofing          | Swale             |              | 0 0          | 0            | 6       | 0        | 0          | \$1,650       | 556       |
| Abandoned Fixed  | 1235      | 0.000 R&S                                | 6/27/200  | 8           | ECP Not               | Remove Crossing           | High                    | -                 | Pull         | 0            | 0            | 6       | 6        | 556        | \$7           | 222       |
| r                | oad cros  | ses small swale                          | , spring  | emerging i  | rom cutbank causir    | g road fill failure TRE   | AT excavate road the    | ru swale en       | dhauling     | to right to  | poil site    |         |          |            |               |           |
| 60.305118        | 1234      | 0.500 McCanl                             | Alden     | 271 Pep     | Pep P0530407          | Humboldt                  | Storm Proofing          | III               |              | 0 0          | 0            | 1       | 0        | 0          | \$525         | 30        |
| Abandoned Fixed  | 1234      | 0.000 R&S                                | 6/26/200  | 8           | ECP Not               | Remove Crossing           | High                    | -                 | Pull         | 0            | 0            | 1       | 6        | 45         | \$18          | 30        |
| F                | ill cross | ing on a class 3                         | stream w  | ith minor   | erosion present       | TREAT excavate remain     | ning fill store locally | , lay sides l     | back 2 to    | 1            |              |         |          |            |               |           |
| 60.305125        | 2341      | 0.000 Alden                              | Alden     | 271 Pep     | Pep P0530407          | Surface Drainage          | Storm Proofing          | N/A               |              | 0 0          | 0            | 15      | 0        | 0          | \$3,388       | 249       |
| Storm Proofed    | 2341      | 0.510 R&S                                | 4/2/2007  |             | ECP Not               | Tip and Dip               | Medium                  | -                 | -            | 0            | 0            | 14      | 5        | 0          | \$14          | 249       |
| T                | ip and I  | Dip                                      |           |             |                       |                           |                         |                   |              |              |              |         |          |            |               |           |
| 60.305125        | 6546      | 0.280 Haschal                            | Borcich   | 17-104      | Elm                   | Surface Drainage          | THP App. Rd.            | N/A               |              | 0 0          | 0            | 0       | 0        | 0          | \$0           | 0         |
| Private Seasonal | 6546      | 0.000 Unk                                | 10/15/20  | 19          | ECP Not               | Dip Rolling               | Medium                  | -                 | -            | 0            | 0            | 0       | 0        | 0          | \$0           | 0         |
|                  | nstall ro | <u> </u>                                 |           |             | runoff before it go   | es down road where it is  | causing some rilling    |                   |              |              |              |         |          |            |               |           |
| 60.305125        | 1163      | 0.410 McCanl                             | Alden     | 271 Pep     | Pep P0530407          | Fill - Road               | Storm Proofing          | N/A               |              | 0 0          |              | 35      | 58       | 0          | \$11,728      | 3,370     |
| Private Seasonal | 1163      | 0.000 R&S                                | 6/15/200  | 7           | ECP Not               | Excavate Soil             | High                    | -                 | -            | 0            | 0            | 36      | 3        | 3,370      | \$4           | 2,696     |
|                  |           | ential road fill f<br>left to ridge , di |           |             |                       | upto 14' back from OBF,   | failure is located in l | headwall sv       | vale with    | 2 small spri | ngs at cutb  | ank T   | REAT:    | excavat    | e and endha   | ul        |
| 60.305125        | 1162      | 0.470 McCanl                             | -         |             | Pep P0530407          | Cut Bank Failure          | Storm Proofing          | N/A               |              | 0 0          | 0            | 1       | 0        | 0          | \$385         | 0         |
| Private Seasonal | 1162      | 0.000 R&S                                | 4/2/2007  | -           | ECP Not               | Excavate Soil             | Medium                  | -                 | -            | 0            | 0            | 3       | 0        | 65         | \$0           | 0         |
| •                | uthank f  | ailure blocking                          | road whi  | ch is above | e past landslide witl | spring emerging at left   | TREAT: excavate a       | nd endhaul        | to left 10   | 0'           |              |         |          |            |               |           |

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| Road #           | GIS#       | Mile Plan         | Final       | THP#         | THP Name              | Problem                     | Repair Type            | Cr. Clas     | s l         | DRCs R      | ock   | Left D  | Exca. | Truck | Gra.  | Cost    | Total Yds |
|------------------|------------|-------------------|-------------|--------------|-----------------------|-----------------------------|------------------------|--------------|-------------|-------------|-------|---------|-------|-------|-------|---------|-----------|
| Road Class       | ID#        | End Crew          | Done        | Rd Pt        | ECP Number            | Solution                    | Priority/Shedule       | Old Dia      | New D       | ia Ln       |       | Right D | Cat   | Labor | Yds   | \$/FSD  | FSD Yds   |
| 60.305125        | 1161       | 0.510 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Fill - Landing              | Storm Proofing         | N/A          |             | 0           | 0     | 0       | 4     | 0     | 0     | \$820   | 340       |
| Private Seasonal | 1161       | 0.000 R&S         | 4/2/2007    | •            | ECP Not               | Excavate Soil               | Medium                 | _            | _           | 0           |       | 0       | 4     | 0     | 340   | \$16    | 51        |
| •                | excavate   | fill connect wi   | ith landsli | de to left,  | store spoils locally, | no storeage at spring locat | tion                   |              |             |             |       |         |       |       |       |         |           |
| 60.305127        | 4387       | 0.000 Alden       | Alden       | 271 Pep      | Pep P0530407          | Surface Drainage            | Storm Proofing         | N/A          |             | 0           | 0     | 0       | 10    | 0     | 0     | \$2,593 | 171       |
| Storm Proofed    | 4387       | 0.350 R&S         | 10/8/200    | 7            | ECP Not               | Tip and Dip                 | Medium                 | -            | -           | 0           |       | 0       | 10    | 7     | 0     | \$15    | 171       |
|                  | Γip and I  | Dip               |             |              |                       |                             |                        |              |             |             |       |         |       |       |       |         |           |
| 60.305127        | 1160       | 0.050 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Fill - Road                 | Storm Proofing         | N/A          |             | 0           | 0     | 0       | 14    | 8     | 0     | \$3,875 | 889       |
| Abandoned Fixed  | 1160       | 0.000 R&S         | 6/4/2007    |              | ECP Not               | Excavate Soil               | High                   | -            | -           | 0           |       | 0       | 16    | 5     | 889   | \$22    | 178       |
|                  | excavate   | fill and push s   | poils to le | ft to landir | ıg                    |                             |                        |              |             |             |       |         |       |       |       |         |           |
| 60.305127        | 1159       | 0.090 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Fill - Landing              | Storm Proofing         | N/A          |             | 0           | 0     | 0       | 7     | 0     | 0     | \$1,435 | 648       |
| Abandoned Fixed  | 1159       | 0.000 R&S         | 10/8/200    | 7            | ECP Not               | Excavate Soil               | High                   | -            | -           | 0           |       | 0       | 7     | 0     | 648   | \$22    | 65        |
|                  | exc fill a | nd store against  | t cutbank   |              |                       |                             |                        |              |             |             |       |         |       |       |       |         |           |
| 60.305127        | 1158       | 0.140 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Fill - Landing              | Storm Proofing         | N/A          |             | 0           | 0     | 0       | 4     | 1     | 0     | \$928   | 296       |
| Abandoned Fixed  | 1158       | 0.000 R&S         | 8/15/200    | 8            | ECP Not               | Excavate Soil               | Medium                 | -            | -           | 0           |       | 0       | 5     | 0     | 296   | \$31    | 30        |
|                  | exc fill a | nd store against  | t cutbank   | to right of  | spring                |                             |                        |              |             |             |       |         |       |       |       |         |           |
| 60.305127        | 1157       | 0.210 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Fill - Road                 | Storm Proofing         | N/A          |             | 0           | 0     | 0       | 4     | 0     | 0     | \$820   | 370       |
| Abandoned Fixed  | 1157       | 0.000 R&S         | 10/8/200    | 7            | ECP Not               | Excavate Soil               | High                   | -            | -           | 0           |       | 0       | 4     | 0     | 370   | \$15    | 56        |
| 1                | otential   | road fill failure | on 90%      | slopes 650'  | to class 1 stream     | TREAT: exc. Fill and        | store against cutbanl  | k and on ro  | ad          |             |       |         |       |       |       |         |           |
| 60.305127        | 1156       | 0.250 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Humboldt                    | Storm Proofing         | III          |             | 0           | 0     | 0       | 0     | 0     | 0     | \$0     | 119       |
| Abandoned Fixed  | 1156       | 0.000 R&S         | 10/9/200    | 7            | ECP Not               | Remove Crossing             | High                   | -            | RkFd        | 0           |       | 0       | 0     | 0     | 296   | \$0     | 119       |
|                  | class 3 fi | ll crossing T     | REAT: ex    | c. Top to b  | ot endhaul to left    | to spoil site               |                        |              |             |             |       |         |       |       |       |         |           |
| 60.305127        | 4377       | 0.270 Alden       | Alden       | Maintena     | Maintenance           | No Problem                  | Maintenance            | N/A          |             | 0           | 0     | 0       | 0     | 0     | 0     | \$0     | 0         |
| Private Seasonal | 4377       | 0.000 R&S         | 9/24/200    | 7            | ECP Not               | Rock Pit                    | No Action              | -            | -           | 0           |       | 0       | 0     | 0     | 0     | \$0     | 0         |
|                  | Rock Pit   |                   |             |              |                       |                             |                        |              |             |             |       |         |       |       |       |         |           |
| 60.305127        | 1155       | 0.300 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Humboldt                    | Storm Proofing         | III          |             | 0           | 0     | 0       | 8     | 0     | 0     | \$1,583 | 124       |
| Abandoned Fixed  | 1155       | 0.000 R&S         | 10/9/200    | 7            | ECP Not               | Armored Ford                | High                   | -            | RkFd        | 0           |       | 0       | 8     | 0     | 556   | \$13    | 124       |
|                  | class 3 fi | ll crossing, cur  | rently flo  | wing, mino   | r erosion TREAT       | exc. Top to bot. Lay side   | s back 2 to 1 endhau   | l 50% of s   | poils to s  | poil site   |       |         |       |       |       |         |           |
| 60.305127        | 2342       | 0.350 Alden       | Alden       | 271 Pep      | Pep P0530407          | Surface Drainage            | Storm Proofing         | N/A          |             | 0           | 0     | 0       | 11    | 0     | 0     | \$3,380 | 171       |
| Abandoned Fixed  | 2342       | 0.700 R&S         | 10/6/200    | 7            | ECP Not               | Tip and Dip                 | Medium                 | -            | -           | 0           |       | 0       | 24    | 0     | 0     | \$20    | 171       |
|                  | Γip and I  | Dip               |             |              |                       |                             |                        |              |             |             |       |         |       |       |       |         |           |
| 60.305127        | 1154       | 0.450 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Humboldt                    | Storm Proofing         | III          |             | 0           | 0     | 0       | 8     | 5     | 0     | \$1,880 | 148       |
| Abandoned Fixed  | 1154       | 0.000 R&S         | 10/7/200    | 7            | ECP Not               | Remove Crossing             | High                   | -            | Pull        | 0           |       | 0       | 7     | 0 1   | 1,000 | \$13    | 148       |
|                  | fill cross | ng on a class 3   | stream 30   | 0% washed    | out TREAT: exc.       | Top to bot. Lay sides bac   | k 2 to 1 endhaul to le | eft to spoil | site at ric | ige top     |       |         |       |       |       |         |           |
| 60.305127        | 1153       | 0.640 McCanl      | l Alden     | 271 Pep      | Pep P0530407          | Humboldt                    | Storm Proofing         | III          |             | 0           | 0     | 0       | 2     | 0     | 0     | \$410   | 267       |
| Abandoned Fixed  | 1153       | 0.000 R&S         | 10/8/200    | 7            | ECP Not               | Remove Crossing             | High                   | -            | Pull        | 0           |       | 0       | 2     | 0     | 333   | \$2     | 267       |
|                  | A class 3  | fill crossing w   | vith emerg  | ging spring  | flow at cutbank flow  | w as eroded thru fill at OB | F TREAT: exc. And      | d endhaul t  | o left 220  | 00' to ridg | e top | )       |       |       |       |         |           |
| 60.305127        | 1152       | 0.660 McCanl      | Alden       | 271 Pep      | Pep P0530407          | Cut Bank Failure            | Storm Proofing         | N/A          |             | 0           | 0     | 0       | 0     | 0     | 0     | \$0     | 0         |
| Abandoned Fixed  | 1152       | 0.000 R&S         | 10/8/200    | 7            | ECP Not               | Excavate Soil               | Medium                 | -            | -           | 0           |       | 0       | 0     | 0     | 370   | \$0     | 0         |
| •                | cut bank   | failure no futur  | e delivery  | TREAT        | Γ: push thru to gain  | acess to lower site, then p | ull side cast store ag | ainst cutba  | ınk         |             |       |         |       |       |       |         |           |

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| Road #                                                                                                                         | GIS#                                                                                                                                   | Mile Plan                                                                                                                                                                                                                                               | Final                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | THP#                                                                                                                 | THP Name                                                                                                                                                                                                                      | Problem                                                                                                                                                                                                                                                             | Repair Type                                                                                                                                                                                                         | Cr. Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | s D        | RCs Ro                                            | ck Left D                                                        | Exca                                   | ı. Truck                                                         | Gra.                                                                | Cost                                                                                        | Total Yds                              |
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------------|
| Road Class                                                                                                                     | ID#                                                                                                                                    | End Crew                                                                                                                                                                                                                                                | Done                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rd Pt                                                                                                                | ECP Number                                                                                                                                                                                                                    | Solution                                                                                                                                                                                                                                                            | Priority/Shedule                                                                                                                                                                                                    | Old Dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | New Di     | a Ln                                              | Right                                                            | D Cat                                  | Labor                                                            | Yds                                                                 | \$/FSD                                                                                      | FSD Yds                                |
| 60.305127                                                                                                                      | 1151                                                                                                                                   | 0.700 McCan                                                                                                                                                                                                                                             | 1 Alden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 271 Pep                                                                                                              | Pep P0530407                                                                                                                                                                                                                  | Fill - Landing                                                                                                                                                                                                                                                      | Storm Proofing                                                                                                                                                                                                      | II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | 0                                                 | 0 0                                                              | 50                                     | 10                                                               | 0                                                                   | \$9,983                                                                                     | 1,630                                  |
| Abandoned Fix                                                                                                                  |                                                                                                                                        | 0.000 R&S                                                                                                                                                                                                                                               | 10/5/200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                                                                                                                    | ECP Not                                                                                                                                                                                                                       | Excavate Soil                                                                                                                                                                                                                                                       | High                                                                                                                                                                                                                | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _          | 0                                                 | 0                                                                | 33                                     | 15                                                               |                                                                     | \$6                                                                                         | 1,630                                  |
|                                                                                                                                | landing l                                                                                                                              | ocated in class                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                      |                                                                                                                                                                                                                               | ght side of landing follow                                                                                                                                                                                                                                          | Č                                                                                                                                                                                                                   | EAT: exc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Old chanr  | el thru m                                         |                                                                  |                                        |                                                                  |                                                                     | led channel                                                                                 |                                 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|                                                                                                                                | currently                                                                                                                              |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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       |
| 60.305139                                                                                                                      | 2349                                                                                                                                   | 0.000 Alden                                                                                                                                                                                                                                             | Alden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | •                                                                                                                    | Pep P0530407                                                                                                                                                                                                                  | Surface Drainage                                                                                                                                                                                                                                                    | Storm Proofing                                                                                                                                                                                                      | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                                   | 0 0                                                              | 54                                     | 0                                                                | 0                                                                   | \$12,668                                                                                    | 944                                    |
| Deactivated                                                                                                                    | 2349                                                                                                                                   | 1.930 R&S                                                                                                                                                                                                                                               | 8/24/200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7                                                                                                                    | ECP Not                                                                                                                                                                                                                       | Tip and Dip                                                                                                                                                                                                                                                         | Medium                                                                                                                                                                                                              | - 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         | 0                                                 | 0                                                                | 66                                     | 13                                                               | 0                                                                   | \$13                                                                                        | 944                                    |
|                                                                                                                                | Tip and l                                                                                                                              | -                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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       |
| 60.305139                                                                                                                      | 1314                                                                                                                                   | 0.050 McCan                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 271 Pep                                                                                                              | Pep P0530407                                                                                                                                                                                                                  | Cut Bank Failure                                                                                                                                                                                                                                                    | Weather Damage                                                                                                                                                                                                      | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                                   | 0 0                                                              | 0                                      | 0                                                                | 0                                                                   | \$0                                                                                         | (                                      |
| Deactivated                                                                                                                    | 1314                                                                                                                                   | 0.000 R&S                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                      | ECP Not                                                                                                                                                                                                                       | Excavate Soil                                                                                                                                                                                                                                                       | Medium                                                                                                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -          | 0                                                 | 0                                                                | 0                                      | 0                                                                | 210                                                                 | \$0                                                                                         | (                                      |
|                                                                                                                                |                                                                                                                                        | ·                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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       |
| 60.305139                                                                                                                      | 1313                                                                                                                                   | 0.080 McCan                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                                                                                    | Pep P0530407                                                                                                                                                                                                                  | Slide - Deep                                                                                                                                                                                                                                                        | Weather Damage                                                                                                                                                                                                      | III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                                   | 0 0                                                              | 5                                      | 0                                                                | 0                                                                   | \$1,103                                                                                     | 20                                     |
| Deactivated                                                                                                                    | 1313                                                                                                                                   | 0.120 R&S                                                                                                                                                                                                                                               | 6/29/200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                      | ECP Not                                                                                                                                                                                                                       | Full Bench                                                                                                                                                                                                                                                          | High                                                                                                                                                                                                                | - 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         | 0                                                 | 0                                                                | 6                                      | 1                                                                | 667                                                                 | \$56                                                                                        | 20                                     |
|                                                                                                                                |                                                                                                                                        | torrenting from<br>endhaul spoil                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | •                                                                                                                    | 00' of road continuing                                                                                                                                                                                                        | ng down slope to class 3                                                                                                                                                                                                                                            | a class 3 has develo                                                                                                                                                                                                | ped in slide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | scar TR    | EAT fu                                            | l bench ne                                                       | v road a                               | cross sli                                                        | de insta                                                            | ll cmp at cla                                                                               | ss 3                                   |
| 60.305139                                                                                                                      | 1312                                                                                                                                   | 0.280 Hagans                                                                                                                                                                                                                                            | Alden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 271 Pep                                                                                                              | Pep P0530407                                                                                                                                                                                                                  | CulvHDP                                                                                                                                                                                                                                                             | Storm Proofing                                                                                                                                                                                                      | III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | 0                                                 | 0 0                                                              | 9                                      | 0                                                                | 0                                                                   | \$2,385                                                                                     | 350                                    |
| Deactivated                                                                                                                    | 1312                                                                                                                                   | 0.000 R&S                                                                                                                                                                                                                                               | 9/20/200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                                                       | Medium                                                                                                                                                                                                              | 24"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pull       | 0                                                 | 0                                                                | 14                                     | 2                                                                | 350                                                                 | \$14                                                                                        | 17:                                    |
|                                                                                                                                | a 24' cm                                                                                                                               | o OK but has D                                                                                                                                                                                                                                          | P to right                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | and minor                                                                                                            | outlet erosion TR                                                                                                                                                                                                             | EAT Excavate crossing                                                                                                                                                                                                                                               | top to Bottom (base                                                                                                                                                                                                 | of root wa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d) with 4' | channel l                                         | ottom and                                                        | 2:1 side:                              | slopes. S                                                        | Spoil lo                                                            | cally on road                                                                               | <b>i</b> .                             |
|                                                                                                                                |                                                                                                                                        |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                      |                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                     | ~ ~ ~                                                                                                                                                                                                               | TT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                                   | 0 0                                                              | (0                                     | 100                                                              | -                                                                   | £20,400                                                                                     |                                        |
| 60.305139                                                                                                                      | 1311                                                                                                                                   | 0.350 Hagans                                                                                                                                                                                                                                            | Alden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 271 Pep                                                                                                              | Pep P0530407                                                                                                                                                                                                                  | Humboldt                                                                                                                                                                                                                                                            | Storm Proofing                                                                                                                                                                                                      | II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | 0                                                 | 0 0                                                              | 60                                     | 100                                                              | 0                                                                   | \$20,408                                                                                    | 890                                    |
| 60.305139<br>Deactivated                                                                                                       |                                                                                                                                        | 0.350 Hagans<br>0.000 R&S                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                      | Pep P0530407<br>ECP Not                                                                                                                                                                                                       | Humboldt<br>Remove Crossing                                                                                                                                                                                                                                         | Storm Proofing<br>High                                                                                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pull       | 0                                                 | 0 0                                                              | 41                                     | 20                                                               | 0<br>888                                                            | \$20,408<br>\$46                                                                            | 890<br>445                             |
|                                                                                                                                | 1311<br>1311<br>class 3 fl                                                                                                             | 0.000 R&S                                                                                                                                                                                                                                               | 9/13/200<br>oad and la                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7<br><b>nding in w</b>                                                                                               | ECP Not                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     | High                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | 0                                                 | 0                                                                | 41                                     | 20                                                               | 888                                                                 | \$46                                                                                        | 445                                    |
|                                                                                                                                | 1311<br>1311<br>class 3 fl                                                                                                             | 0.000 R&S                                                                                                                                                                                                                                               | 9/13/200<br>oad and la<br>es. Spoil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7<br>nding in w<br>locally.                                                                                          | ECP Not                                                                                                                                                                                                                       | Remove Crossing                                                                                                                                                                                                                                                     | High                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | 0<br>11 at right                                  | 0                                                                | 41                                     | 20                                                               | 888                                                                 | \$46                                                                                        | 445<br>nannel                          |
| Deactivated                                                                                                                    | 1311<br>1311<br>class 3 fl<br>bottom a                                                                                                 | 0.000 R&S<br>lowing across r<br>nd 2:1 sideslop                                                                                                                                                                                                         | 9/13/200<br>oad and la<br>es. Spoil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7<br>nding in w<br>locally.                                                                                          | ECP Not<br>aterbar no cmp prese                                                                                                                                                                                               | Remove Crossing<br>ent small head cut has dev                                                                                                                                                                                                                       | High<br>veloped lots of LWD                                                                                                                                                                                         | at outlet,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | 0<br>11 at right                                  | 0<br>bank. TRI                                                   | 41<br>EAT e                            | 20<br><b>xcavate</b> 1                                           | 888<br>top to b                                                     | \$46<br>oot with 5' ch                                                                      | 445<br>nannel<br>1,300                 |
| Deactivated 60.305139                                                                                                          | 1311<br>1311<br>class 3 fl<br>bottom a<br>1310<br>1310<br>cmp high                                                                     | 0.000 R&S<br>lowing across r<br>and 2:1 sideslop<br>0.400 Hagans<br>0.000 R&S<br>a in fill flow go                                                                                                                                                      | 9/13/200 coad and la ces. Spoil Alden 9/8/2007 coing subsu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | nding in w<br>locally. 271 Pep                                                                                       | ECP Not aterbar no cmp prese Pep P0530407 ECP Not                                                                                                                                                                             | Remove Crossing ent small head cut has der CulvHDP                                                                                                                                                                                                                  | High veloped lots of LWD Storm Proofing High                                                                                                                                                                        | o at outlet,  II 24"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | perched fi | 0<br>11 at right<br>0<br>0                        | 0 bank. TRI                                                      | 41<br>EAT ex<br>47<br>33               | 20<br><b>xcavate</b> 1<br>86<br>0                                | 888 top to b                                                        | \$46<br><b>sot with 5' ch</b> \$15,918  \$27                                                | 1,300<br>598                           |
| Deactivated 60.305139                                                                                                          | 1311<br>1311<br>class 3 fl<br>bottom a<br>1310<br>1310<br>cmp high                                                                     | 0.000 R&S<br>lowing across r<br>nd 2:1 sideslop<br>0.400 Hagans<br>0.000 R&S<br>n in fill flow goive flow. Spoi                                                                                                                                         | 9/13/200<br>oad and la<br>es. Spoil<br>Alden<br>9/8/2007<br>bing subsult locally.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | nding in w<br>locally.<br>271 Pep                                                                                    | ECP Not aterbar no cmp prese Pep P0530407 ECP Not cove inlet lots of or                                                                                                                                                       | Remove Crossing ent small head cut has dev  CulvHDP  Excavate Soil                                                                                                                                                                                                  | High veloped lots of LWD Storm Proofing High sed at outlet TREA                                                                                                                                                     | o at outlet,  II 24"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | perched fi | 0 ll at right 0 0                                 | 0 bank. TRI                                                      | 41<br>EAT ex<br>47<br>33               | 20<br><b>xcavate</b> 1<br>86<br>0                                | 888 top to b                                                        | \$46<br><b>sot with 5' ch</b> \$15,918  \$27                                                | 1,300<br>598                           |
| Deactivated 60.305139 Deactivated                                                                                              | 1311 class 3 fl bottom a 1310 1310 cmp high capture 1                                                                                  | 0.000 R&S<br>lowing across r<br>and 2:1 sideslop<br>0.400 Hagans<br>0.000 R&S<br>a in fill flow go                                                                                                                                                      | 9/13/200 oad and la es. Spoil Alden 9/8/2007 oing subsu I locally.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | nding in w<br>locally. 271 Pep                                                                                       | ECP Not aterbar no cmp prese Pep P0530407 ECP Not                                                                                                                                                                             | Remove Crossing ent small head cut has de  CulvHDP  Excavate Soil ganics in fill , logs exspo                                                                                                                                                                       | High veloped lots of LWD Storm Proofing High                                                                                                                                                                        | II 24"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | perched fi | 0 ll at right 0 0                                 | bank. TRI  0 0  0 t with 5' ch                                   | 41<br>EAT example 47<br>33<br>annel be | 20<br>scavate 1<br>86<br>0<br>ottom. R                           | 888<br>top to b<br>0<br>1,300<br>temove                             | \$46<br>oot with 5' ch<br>\$15,918<br>\$27<br>all logs and                                  | 1,300<br>598                           |
| Deactivated 60.305139 Deactivated 60.305139                                                                                    | 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309                                                                        | 0.000 R&S<br>lowing across r<br>nd 2:1 sideslop<br>0.400 Hagans<br>0.000 R&S<br>n in fill flow goive flow. Spoi<br>0.500 McCar<br>0.510 R&S                                                                                                             | 9/13/200 poad and la les. Spoil Alden 9/8/2007 poing subsul locally. I Alden 9/6/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | nding in w<br>locally.<br>271 Pep<br>rface 20' al                                                                    | ECP Not  aterbar no cmp prese  Pep P0530407  ECP Not  cove inlet lots of or  Pep P0530407                                                                                                                                     | Remove Crossing ent small head cut has der CulvHDP Excavate Soil ganics in fill , logs exspor                                                                                                                                                                       | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing                                                                                                                                      | II 24"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | perched fi | 0 Il at right 0 0 top to be                       | 0 0 0 0 t with 5' ch                                             | 41<br>47<br>33<br>annel be             | 20<br><b>86</b><br>0<br><b>ottom.</b> R                          | 888<br>top to b<br>0<br>1,300<br>temove                             | \$46<br>sot with 5' ch<br>\$15,918<br>\$27<br>all logs and<br>\$505                         | 1,300<br>598                           |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated                                                                      | 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate                                                               | 0.000 R&S<br>lowing across r<br>nd 2:1 sideslop<br>0.400 Hagans<br>0.000 R&S<br>n in fill flow go<br>ive flow. Spoi<br>0.500 McCar<br>0.510 R&S<br>and endhaul to                                                                                       | 9/13/200 oad and la es. Spoil Alden 9/8/2007 oing subsu l locally. I Alden 9/6/2007 o left to spo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | nding in w<br>locally. 271 Pep rface 20' al 271 Pep bil dump                                                         | ECP Not  aterbar no cmp prese  Pep P0530407  ECP Not  pove inlet lots of or  Pep P0530407  ECP Not                                                                                                                            | Remove Crossing ent small head cut has dev  CulvHDP Excavate Soil ganics in fill , logs exspor                                                                                                                                                                      | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium                                                                                                                               | II 24" T excavat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | perched fi | 0 1ll at right 0 0 top to be                      | 0 0 0 0 t with 5' ch                                             | 41 ex 47 33 annel be 2 3               | 20<br>86<br>0<br>ottom. R                                        | 888<br>top to b<br>0<br>1,300<br>Remove                             | \$46<br>sot with 5' ch<br>\$15,918<br>\$27<br>all logs and<br>\$505<br>\$12                 | 1,300<br>598<br>194                    |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139                                                           | 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308                                                          | 0.000 R&S<br>lowing across r<br>nd 2:1 sideslop<br>0.400 Hagans<br>0.000 R&S<br>n in fill flow go<br>ive flow. Spoi<br>0.500 McCar<br>0.510 R&S<br>and endhaul to<br>0.520 Hagans                                                                       | 9/13/200 coad and la es. Spoil Alden 9/8/2007 coing subsul locally. I Alden 9/6/2007 co left to spoints Alden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | nding in w<br>locally. 271 Pep rface 20' al 271 Pep bil dump                                                         | ECP Not  aterbar no cmp prese  Pep P0530407  ECP Not  Pep P0530407  ECP Not  Pep P0530407                                                                                                                                     | Remove Crossing ent small head cut has der  CulvHDP Excavate Soil ganics in fill , logs exspor                                                                                                                                                                      | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium Storm Proofing                                                                                                                | II 24"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | perched fi | 0 1ll at right 0 0 top to be                      | 0 bank. TRI 0 0 0 t with 5' ch 0 0 0                             | 41<br>47<br>33<br>annel be             | 20<br><b>86</b><br>0<br><b>ottom.</b> R                          | 888<br>0 top to b<br>0<br>11,300<br>Remove<br>0<br>189              | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12                                   | 1,300<br>598<br>194<br>44              |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated                                                                      | 1311 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308                                                | 0.000 R&S<br>lowing across r<br>nd 2:1 sideslop<br>0.400 Hagans<br>0.000 R&S<br>n in fill flow go<br>ive flow. Spoi<br>0.500 McCar<br>0.510 R&S<br>and endhaul to<br>0.520 Hagans<br>0.540 R&S                                                          | 9/13/200 pad and la pes. Spoil Alden 9/8/2007 ping subsul locally. Alden 9/6/2007 pleft to spoin 9/6/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | nding in w<br>locally.<br>271 Pep<br>rface 20' al<br>271 Pep<br>bil dump<br>271 Pep                                  | ECP Not aterbar no cmp prese Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not                                                                                                                                   | Remove Crossing ent small head cut has der  CulvHDP Excavate Soil ganics in fill, logs exsport  Fill - Road Excavate Soil  Fill - Road Excavate Soil                                                                                                                | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium Storm Proofing High                                                                                                           | II 24" T excavat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | perched fi | 0 11 at right 0 0 top to be                       | 0 0 0 0 t with 5' ch                                             | 41 ex 47 33 annel be 2 3               | 20<br>86<br>0<br>ottom. R                                        | 888<br>top to b<br>0<br>1,300<br>Remove                             | \$46<br>sot with 5' ch<br>\$15,918<br>\$27<br>all logs and<br>\$505<br>\$12                 | 1,300<br>598<br>194<br>44              |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139                                                           | 1311 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308                                                | 0.000 R&S lowing across r nd 2:1 sideslop 0.400 Hagans 0.000 R&S n in fill flow ge ive flow. Spoi 0.500 McCar 0.510 R&S and endhaul te 0.520 Hagans 0.540 R&S and OBF for 2                                                                             | 9/13/200 coad and la ces. Spoil Alden 9/8/2007 coing subsu 1 locally. Alden 9/6/2007 Collect to spoin Alden 9/6/2007 40' and we                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | nding in w<br>locally.<br>271 Pep<br>rface 20' al<br>271 Pep<br>bil dump<br>271 Pep                                  | ECP Not aterbar no cmp prese Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not bigger trees. Use sp                                                                                         | Remove Crossing ent small head cut has der  CulvHDP Excavate Soil ganics in fill , logs exspor                                                                                                                                                                      | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium Storm Proofing High ppe with 3:1 slope.                                                                                       | II 24" T excavat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | perched fi | 0 11 at right 0 0 0 top to be                     | 0 bank. TRI 0 0 0 t with 5' ch 0 0 0                             | 41<br>47<br>33<br>annel be             | 20<br>86<br>0<br>ottom. R                                        | 888<br>0 top to b<br>0<br>11,300<br>Remove<br>0<br>189              | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12                                   | 1,300<br>598<br>194<br>310<br>50       |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139                                    | 1311 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308 excavate                                       | 0.000 R&S<br>lowing across r<br>nd 2:1 sideslop<br>0.400 Hagans<br>0.000 R&S<br>n in fill flow goive flow. Spoi<br>0.500 McCar<br>0.510 R&S<br>and endhaul to<br>0.520 Hagans<br>0.540 R&S<br>and OBF for 2                                             | 9/13/200 oad and la es. Spoil Alden 9/8/2007 oing subsu I locally. I Alden 9/6/2007 oleft to spoil Alden 9/6/2007 40' and wo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | nding in w<br>locally.<br>271 Pep<br>rface 20' al<br>271 Pep<br>bil dump<br>271 Pep                                  | ECP Not aterbar no cmp prese Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not Decrease Superior Pep P0530407 ECP Not Decrease Superior Pep P0530407                                                             | Remove Crossing ent small head cut has det  CulvHDP Excavate Soil ganics in fill, logs exsport  Fill - Road Excavate Soil  Fill - Road Excavate Soil  ooil to raise road to ourskee  Cut Bank Failure                                                               | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium Storm Proofing High ope with 3:1 slope. Storm Proofing                                                                        | II 24"  T excavat  N/A  N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | perched fi | 0 11 at right 0 0 0 top to be                     | 0 0 0 0 t with 5' ch 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0         | 41<br>47<br>33<br>annel be             | 20 xcavate to 86 0 0 obttom. R 0 0 0 12 0                        | 888<br>00p to b<br>0<br>1,300<br>2emove<br>0<br>189<br>0<br>300     | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12 \$1,380 \$25                      | 1,300<br>598<br>194<br>4-              |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated                                               | 1311 class 3 fl bottom a  1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308 excavate 1307 1307                                 | 0.000 R&S lowing across r nd 2:1 sideslop 0.400 Hagans 0.000 R&S n in fill flow go ive flow. Spoi 0.500 McCar 0.510 R&S and endhaul to 0.520 Hagans 0.540 R&S and OBF for 2 0.610 McCar 0.000 R&S                                                       | 9/13/200 oad and la es. Spoil Alden 9/8/2007 oing subsul locally. I Alden 9/6/2007 o left to spoint Alden 9/6/2007 40' and wo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | nding in w<br>locally. 271 Pep rface 20' ai 271 Pep bil dump 271 Pep ork around 271 Pep                              | Pep P0530407 ECP Not bigger trees. Use sp Pep P0530407 ECP Not                                                                            | Remove Crossing ent small head cut has der  CulvHDP Excavate Soil ganics in fill , logs exspor  Fill - Road Excavate Soil  Fill - Road Excavate Soil  ooil to raise road to oursle Cut Bank Failure Excavate Soil                                                   | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium Storm Proofing High ppe with 3:1 slope.                                                                                       | II 24"  T excavat  N/A  N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | perched fi | 0 11 at right  0 0 0 top to be                    | 0 0 0 0 t with 5' ch 0 0 0                                       | 41<br>47<br>33<br>annel be             | 20<br>xcavate t<br>86<br>0<br>obttom. R<br>0<br>0                | 888<br>top to b<br>0<br>1,300<br>temove<br>0<br>189<br>0<br>300     | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12 \$1,380 \$25                      | 1,300<br>598<br>194<br>4-              |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated                        | 1311 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308 excavate 1307 1307 remove o                    | 0.000 R&S lowing across r nd 2:1 sideslop 0.400 Hagans 0.000 R&S n in fill flow go ive flow. Spoi 0.500 McCar 0.510 R&S and endhaul to 0.520 Hagans 0.540 R&S and OBF for 2 0.610 McCar 0.000 R&S organics from c                                       | 9/13/200 coad and la es. Spoil Alden 9/8/2007 coing subsul locally. I Alden 9/6/2007 Alden 9/6/2007 40' and we I Alden 9/6/2007 utbank blo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | nding in w<br>locally.  271 Pep  rface 20' al  271 Pep  bil dump  271 Pep  ork around  271 Pep  ocking roac          | Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not Bigger trees. Use sp Pep P0530407 ECP Not                                                                                                 | Remove Crossing ent small head cut has der  CulvHDP Excavate Soil ganics in fill , logs exspor  Fill - Road Excavate Soil  Fill - Road Excavate Soil  ooil to raise road to oursle Cut Bank Failure Excavate Soil erate into road prizm.                            | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium Storm Proofing High ope with 3:1 slope. Storm Proofing Medium                                                                 | II 24" T excavat  N/A  N/A  N/A  N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | perched fi | 0 11 at right 0 0 top to bo 0 0 0 0 0             | 0                                                                | 41<br>47<br>33<br>annel be             | 20 xcavate t 86 0 0 ottom. R 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 888<br>0 top to b<br>0<br>1,300<br>2 temove<br>0<br>189<br>0<br>300 | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12 \$1,380 \$25 \$0 \$0              | 1,300<br>598<br>194<br>44              |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated                        | 1311 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308 excavate 1307 1307 remove c 1306               | 0.000 R&S lowing across r nd 2:1 sideslop 0.400 Hagans 0.000 R&S n in fill flow ge ive flow. Spoi 0.500 McCar 0.510 R&S and endhaul to 0.520 Hagans 0.540 R&S and OBF for 2 0.610 McCar 0.000 R&S organics from co 0.620 McCar                          | 9/13/200 coad and la es. Spoil Alden 9/8/2007 coing subsul locally. Alden 9/6/2007 coleft to spoint Alden 9/6/2007 40' and wo land and wo land and land land land and lan | nding in w<br>locally.  271 Pep  rface 20' al  271 Pep  bil dump  271 Pep  ork around  271 Pep  ocking roac          | ECP Not aterbar no cmp prese Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not bigger trees. Use sp Pep P0530407 ECP Not to bigger trees. Use sp Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407          | Remove Crossing ent small head cut has der  CulvHDP Excavate Soil ganics in fill, logs exspor  Fill - Road Excavate Soil  Fill - Road Excavate Soil  ooil to raise road to oursle Cut Bank Failure Excavate Soil erate into road prizm. Fill - Road                 | High veloped lots of LWD  Storm Proofing High sed at outlet TREA  Storm Proofing Medium  Storm Proofing High ope with 3:1 slope. Storm Proofing Medium  Storm Proofing Storm Proofing Storm Proofing Storm Proofing | II 24"  T excavat  N/A  N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | perched fi | 0 11 at right 0 0 top to bo 0 0 0 0 0             | 0 bank. TRI 0 0 0 t with 5' ch 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 41<br>47<br>33<br>annel be             | 20 xcavate t  86 0 ottom. R  0 0  12 0 0 0                       | 888<br>cop to b<br>0<br>1,300<br>emove<br>0<br>189<br>0<br>300<br>0 | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12  \$1,380 \$25  \$0 \$0 \$460      | 1,300<br>598<br>194<br>44<br>310<br>50 |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated                        | 1311 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308 excavate 1307 1307 remove c 1306 1306          | 0.000 R&S lowing across r nd 2:1 sideslop 0.400 Hagans 0.000 R&S n in fill flow grive flow. Spoi 0.500 McCar 0.510 R&S n and endhaul to 0.520 Hagans 0.540 R&S n and OBF for 2 0.610 McCar 0.000 R&S organics from co 0.620 McCar 0.630 R&S             | 9/13/200 oad and la es. Spoil Alden 9/8/2007 oing subsut locally. Alden 9/6/2007 o left to spoil Alden 9/6/2007 40' and woth Alden 9/6/2007 utbank blot Alden 9/6/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | nding in w<br>locally.  271 Pep  rface 20' al  271 Pep  bil dump  271 Pep  ork around  271 Pep  ocking road  271 Pep | ECP Not aterbar no cmp prese Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not bigger trees. Use sp Pep P0530407 ECP Not to bigger trees. Use sp Pep P0530407 ECP Not 1, ramp over incorper Pep P0530407 ECP Not | Remove Crossing ent small head cut has der  CulvHDP Excavate Soil ganics in fill , logs exspor  Fill - Road Excavate Soil  Fill - Road Excavate Soil  ooil to raise road to oursle Cut Bank Failure Excavate Soil erate into road prizm.                            | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium Storm Proofing High ope with 3:1 slope. Storm Proofing Medium                                                                 | II 24" T excavat  N/A  N/A  N/A  N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | perched fi | 0 11 at right 0 0 0 top to be 0 0 0 0 0 0 0       | 0                                                                | 41<br>47<br>33<br>annel be             | 20 xcavate t 86 0 0 ottom. R 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 888<br>0 top to b<br>0<br>1,300<br>2 temove<br>0<br>189<br>0<br>300 | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12 \$1,380 \$25 \$0 \$0              | 1,300<br>593<br>194<br>314<br>56       |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated | 1311 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308 excavate 1307 1307 remove c 1306 1306 excavate | 0.000 R&S lowing across r nd 2:1 sideslop 0.400 Hagans 0.000 R&S n in fill flow ge ive flow. Spoi 0.500 McCar 0.510 R&S and endhaul te 0.520 Hagans 0.540 R&S and OBF for 2 0.610 McCar 0.000 R&S organics from c 0.620 McCar 0.630 R&S fill and endhau | 9/13/200 coad and la ces. Spoil Alden 9/8/2007 coing subsu I locally. Alden 9/6/2007 Coleft to spoint Colef | nding in w<br>locally. 271 Pep rface 20' al 271 Pep 271 Pep 271 Pep 271 Pep ork around 271 Pep ocking road 271 Pep   | ECP Not aterbar no cmp prese Pep P0530407 ECP Not Dove inlet lots of org Pep P0530407 ECP Not Pep P0530407 ECP Not bigger trees. Use sp Pep P0530407 ECP Not 1, ramp over incorper Pep P0530407 ECP Not                       | Remove Crossing ent small head cut has dev  CulvHDP Excavate Soil ganics in fill, logs exsport  Fill - Road Excavate Soil  Fill - Road Excavate Soil  ooil to raise road to oursie Cut Bank Failure Excavate Soil erate into road prizm.  Fill - Road Excavate Soil | High veloped lots of LWD Storm Proofing High sed at outlet TREA Storm Proofing Medium Storm Proofing High ope with 3:1 slope. Storm Proofing Medium Storm Proofing Medium                                           | II   24"   T   excavat   N/A   -   N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A   -     N/A         N/A         N/A         N/A | perched fi | 0 11 at right 0 0 0 top to be 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                            | 41 e. 47 33 annel be 2 3 0 0 0 2 2     | 20 xcavate t  86 0 0 ottom. R  0 0 0 0 0 0 0                     | 888 sop to b  0 1,300 Remove  0 189  0 300  0 0 170                 | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12  \$1,380 \$25  \$0 \$0 \$460 \$21 | 1,300<br>59:<br>194<br>310<br>56:      |
| Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated  60.305139 Deactivated                        | 1311 1311 class 3 fl bottom a 1310 1310 cmp high capture 1 1309 1309 excavate 1308 1308 excavate 1307 1307 remove c 1306 1306          | 0.000 R&S lowing across r nd 2:1 sideslop 0.400 Hagans 0.000 R&S n in fill flow grive flow. Spoi 0.500 McCar 0.510 R&S n and endhaul to 0.520 Hagans 0.540 R&S n and OBF for 2 0.610 McCar 0.000 R&S organics from co 0.620 McCar 0.630 R&S             | 9/13/200 coad and la ces. Spoil Alden 9/8/2007 coing subsu I locally. Alden 9/6/2007 Coleft to spoint Colef | nding in w<br>locally. 271 Pep rface 20' al 271 Pep 271 Pep 271 Pep 271 Pep ork around 271 Pep ocking road 271 Pep   | ECP Not aterbar no cmp prese Pep P0530407 ECP Not Pep P0530407 ECP Not Pep P0530407 ECP Not bigger trees. Use sp Pep P0530407 ECP Not to bigger trees. Use sp Pep P0530407 ECP Not 1, ramp over incorper Pep P0530407 ECP Not | Remove Crossing ent small head cut has der  CulvHDP Excavate Soil ganics in fill, logs exspor  Fill - Road Excavate Soil  Fill - Road Excavate Soil  ooil to raise road to oursle Cut Bank Failure Excavate Soil erate into road prizm. Fill - Road                 | High veloped lots of LWD  Storm Proofing High sed at outlet TREA  Storm Proofing Medium  Storm Proofing High ope with 3:1 slope. Storm Proofing Medium  Storm Proofing Storm Proofing Storm Proofing Storm Proofing | II 24" T excavat  N/A  N/A  N/A  N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | perched fi | 0 11 at right 0 0 0 top to be 0 0 0 0 0 0 0 0 0 0 | 0 bank. TRI 0 0 0 t with 5' ch 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 41<br>47<br>33<br>annel be             | 20 xcavate t  86 0 ottom. R  0 0  12 0 0 0                       | 888<br>cop to b<br>0<br>1,300<br>emove<br>0<br>189<br>0<br>300<br>0 | \$46 sot with 5' ch \$15,918 \$27 all logs and \$505 \$12  \$1,380 \$25  \$0 \$0 \$460      | 445<br>nannel<br>1,300<br>598          |

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| Road #      | GIS#        | Mile Plan         | Final       | THP#          | THP Name               | Problem                    | Repair Type             | Cr. Class     | s [        | DRCs F    | Rock    | Left D      | Exca.    | Truck     | Gra.     | Cost         | Total Yds |
|-------------|-------------|-------------------|-------------|---------------|------------------------|----------------------------|-------------------------|---------------|------------|-----------|---------|-------------|----------|-----------|----------|--------------|-----------|
| Road Class  | ID#         | End Crew          | Done        | Rd Pt         | ECP Number             | Solution                   | Priority/Shedule        | Old Dia       | New D      | ia Ln     |         | Right D     | Cat      | Laboi     | Yds      | \$/FSD       | FSD Yds   |
| 60.305139   | 1303        | 0.830 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Fill - Road                | Storm Proofing          | N/A           |            | 0         | 0       | 0           | 3        | 0         | 0        | \$890        | 346       |
| Deactivated | 1303        | 0.870 R&S         | 9/5/2007    |               | ECP Not                | Excavate Soil              | High                    | -             | -          | 0         |         | 0           | 4        | 4         | 326      | \$5          | 192       |
|             | Fill failu  | res, excavate 12  | 20' or road | l and endha   | ul to left to spoil du | mp with 2 trucks and rais  | se road with 3:1 outs   | lope.         |            |           |         |             |          |           |          |              |           |
| 60.305139   | 1304        | 0.850 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Cut Bank Failure           | Storm Proofing          | N/A           |            | 0         | 0       | 0           | 0        | 0         | 0        | \$0          | 0         |
| Deactivated | 1304        | 0.000 R&S         | 9/5/2007    |               | ECP Not                | No Action                  | Low                     | -             | -          | 0         |         | 0           | 0        | 0         | 0        | \$0          | 0         |
|             | small cut   | bank blocking:    | road head   | iwall class   | 3 No treatment         |                            |                         |               |            |           |         |             |          |           |          |              |           |
| 60.305139   | 1302        | 0.900 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Fill - Road                | Storm Proofing          | N/A           |            | 0         | 0       | 0           | 8        | 3         | 0        | \$1,830      | 632       |
| Deactivated | 1302        | 0.920 R&S         | 9/4/2007    |               | ECP Not                | Excavate Soil              | High                    | -             | -          | 0         |         | 0           | 7        | 4         | 622      | \$9          | 199       |
|             | excavate    | road fill for 15  | 0' with vis | sible 2' scar | ps. Endhaul to left    | to spoil with 2 trucks whi | le still raising road w | vith 3:1 outs | slope.     |           |         |             |          |           |          |              |           |
| 60.305139   | 1301        | 0.960 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Other                      | Storm Proofing          | N/A           |            | 0         | 20      | 0           | 28       | 41        | 0        | \$8,095      | 0         |
| Deactivated | 1301        | 0.000 R&S         | 8/29/200    | 7             | ECP Not                | Dip Rolling                | Medium                  | -             | -          | 0         |         | 0           | 13       | 0         | 0        | \$0          | 0         |
|             | At steep    | tiny stream with  | h pat debr  | is torrent.   | Excavae from top to    | bot with 1 1/2:1 sideslop  | es. Armor 3' wide be    | ottom and u   | ıp 2' on b | oth side  | slope   | s for leng  | th fo ex | cavatio   | n. 20 ya | ards rock.   |           |
|             | Retrieve    | all new sidecas   | it.         |               |                        |                            |                         |               |            |           |         |             |          |           |          |              |           |
| 60.305139   | 1300        | 1.020 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Other                      | Storm Proofing          | N/A           |            | 0         | 0       | 0           | 1        | 0         | 0        | \$230        | 0         |
| Deactivated | 1300        | 0.000 R&S         | 8/28/200    | 7             | ECP Not                | Dip Rolling                | High                    | -             | -          | 0         |         | 0           | 1        | 0         | 0        | \$0          | 0         |
|             | swale cro   | ssing with gull   | ing at OB   | F. Fill at C  | BF will be removed     | l during excavation of sit | e#1298TREAT inst        | tall rocked   | rolling di | ip. Roc   | c outle | et of dip v | vith 0.5 | ' to 1.5' | rock fo  | r 20' downs  | lope.     |
| 60.305139   | 1299        | 1.030 McCan       | l Alden     | 271 Pep       | Pep P0530407           | Fill - Road                | Storm Proofing          | N/A           |            | 0         | 0       | 0           | 7        | 21        | 0        | \$3,320      | 548       |
| Deactivated | 1299        | 1.090 R&S         | 8/29/200    | 7             | ECP Not                | Excavate Soil              | Medium                  | -             | -          | 0         |         | 0           | 7        | 3         | 519      | \$13         | 249       |
|             | excavate    | fill for 420' thr | ough very   | steep broa    | d swale and endhau     | to left to spoil site. Hav | e 2 trucks end haulin   | g and also    | raise roac | d with 3  | :1 out  | slope.      |          |           |          |              |           |
| 60.305139   | 1298        | 1.110 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Fill - Road                | Storm Proofing          | N/A           |            | 0         | 0       | 0           | 0        | 0         | 0        | \$0          | 322       |
| Deactivated | 1298        | 0.000 R&S         | 9/25/200    | 7             | ECP Not                | Excavate Soil              | Medium                  | -             | -          | 0         |         | 0           | 0        | 0         | 322      | \$0          | 161       |
|             | excavate    | road fill for 25  | 0' through  | broad swa     | le. Spoil on road by   | raising road with a 3:1 o  | utslope.                |               |            |           |         |             |          |           |          |              |           |
| 60.305139   | 1297        | 1.180 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Other                      | Storm Proofing          | III           |            | 0         | 0       | 0           | 1        | 0         | 0        | \$230        | 0         |
| Deactivated | 1297        | 0.000 R&S         | 8/27/200    | 7             | ECP Not                | Dip Rolling                | Medium                  | -             | -          | 0         |         | 0           | 1        | 0         | 0        | \$0          | 0         |
|             | emerging    | flow from cutl    | bank flow   | ing across 1  | oad TREAT insta        | ıll rolling dip.           |                         |               |            |           |         |             |          |           |          |              |           |
| 60.305139   | 1296        | 1.210 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Fill - Road                | Storm Proofing          | N/A           |            | 0         | 0       | 0           | 5        | 0         | 0        | \$1,150      | 405       |
| Deactivated | 1296        | 1.220 R&S         | 8/27/200    | 7             | ECP Not                | Excavate Soil              | High                    | -             | -          | 0         |         | 0           | 5        | 0         | 236      | \$25         | 45        |
|             | excavate    | fill for 210'. S  | poil on ro  | ad with out   | slope                  |                            |                         |               |            |           |         |             |          |           |          |              |           |
| 60.305139   | 1295        | 1.460 Hagans      | Alden       | 271 Pep       | Pep P0530407           | Humboldt                   | Storm Proofing          | II            |            | 0         | 0       | 0           | 71       | 218       | 0        | \$30,028     | 2,000     |
| Deactivated | 1295        | 0.000 R&S         | 8/20/200    | 7             | ECP Not                | Remove Crossing            | High                    | -             | Pull       | 0         |         | 0           | 46       | 31        | 1,778    | \$38         | 800       |
|             |             | •                 | •           |               |                        | excavate top to bot ma     | •                       | -             | _          |           |         | 5' wide cl  | hannel   | bottom    | lay side | s back 2 to  | 1 all     |
| (0.205120   |             |                   |             |               | •                      | nnel @ 2:1 slope and arm   | •                       |               | p rap. S   |           |         | 0           | -        | 0         |          | 0022         |           |
| 60.305139   | 1294        | 1.480 McCanl      |             |               | Pep P0530407           | Fill - Road                | Storm Proofing          | N/A           |            | 0         | 0       | 0           | 5        | 0         | 0        | \$923        | 522       |
| Deactivated | 1294        | 1.570 R&S         |             |               | ECP Not                | Excavate Soil              | High                    | -             | -          | 0         |         | 0           | 5        | 0         | 478      | \$5          | 201       |
| 60.205:50   |             | road fill store o |             |               |                        | ** 1.11                    |                         | ***           |            |           |         |             |          |           |          | Φ2.222       |           |
| 60.305139   | 1293        | 1.600 Hagans      |             | _             | Pep P0530407           | Humboldt                   | Storm Proofing          | III           |            | 0         | 0       | 0           | 8        | 0         | 0        | \$2,333      | 300       |
| Deactivated | 1293        | 0.000 R&S         |             |               | ECP Not                | Remove Crossing            | High                    | -             | Pull       | 0         |         | 0           | 13       | 3         | 70       | \$26         | 90        |
|             | fill crossi | ng on class 3 s   | kids enter  | from right    | bank continuing do     | wn channel TREAT exc       | avate crossing from t   | top to botto  | m flags v  | vith 4' w | ride cl | nannel bot  | tom an   | d 2:1 si  | deslope  | s. Spoil loc | ally.     |

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| Road #           | GIS#       | Mile Plan                    | Final        | THP#          | THP Name            | Problem                        | Repair Type          | Cr. Class    | s [        | RCs R      | ock   | Left D     | Exca. | . Truck   | Gra.     | Cost             | Total Yds |
|------------------|------------|------------------------------|--------------|---------------|---------------------|--------------------------------|----------------------|--------------|------------|------------|-------|------------|-------|-----------|----------|------------------|-----------|
| Road Class       | ID#        | End Crew                     | Done         | Rd Pt         | ECP Number          | Solution                       | Priority/Shedule     | Old Dia      | New D      | ia Ln      |       | Right D    | Cat   | Labor     | Yds      | \$/FSD           | FSD Yds   |
| 60.305139        | 1292       | 1.670 Hagans                 | Alden        | 271 Pen       | Pep P0530407        | Slide - Shallow                | Storm Proofing       | II           |            | 0          | 0     | 0          | 44    | 157       | 0        | \$22,343         | 3,000     |
| Deactivated      | 1292       | C                            | 8/13/200     | •             | ECP Not             | Remove Crossing                | High                 | -            | Pull       | 0          | •     | 0          | 29    | 43        | 0        | \$7              | 3,000     |
| Beactivated      |            |                              |              |               | re in that site TRI | 2                              | 111511               |              | 1 411      | v          |       | Ü          |       | 15        | Ü        | Ψ,               | 3,000     |
| 60.305139        | 1291       | 1.671 Hagans                 |              |               | Pep P0530407        | Slide - Shallow                | Storm Proofing       | II           |            | 0          | 0     | 0          | 220   | 623       | 0        | \$93,523         | 10,000    |
| Deactivated      | 1291       | 0                            | 8/5/2007     |               | ECP Not             | Remove Crossing                | High                 | _            | Pull       | 0          |       | 0          | 164   | 28 12     | 2,077    | \$9              | 10,000    |
|                  |            |                              |              | entering c    |                     | lowing 400' to where 2 class   | -                    | s of organic | cs thru ou | t spoil no | o cmr |            |       |           | _        |                  | ,         |
|                  |            |                              |              |               |                     | left 1200', excavate left ch   |                      |              |            |            |       |            |       |           | J        |                  |           |
| 60.305139        | 1290       | 1.700 Hagans                 | Alden        | 271 Pep       | Pep P0530407        | Humboldt                       | Storm Proofing       | III          |            | 0          | 0     | 0          | 3     | 0         | 0        | \$690            | 300       |
| Deactivated      | 1290       | 0.000 R&S                    | 7/25/200     | 7             | ECP Not             | Remove Crossing                | High                 | -            | Pull       | 0          |       | 0          | 3     | 0         | 750      | \$5              | 126       |
|                  | fill cross | ng on class 3 L              | WD in fil    | 1 TREA        | T excavate crossin  | g of all fill and spoil on bot | h approaches with 3  | :1 outslope  | e.         |            |       |            |       |           |          |                  |           |
| 60.305139        | 1289       | 1.750 Hagans                 | Alden        | 271 Pep       | Pep P0530407        | CulvHDP                        | Storm Proofing       | III          |            | 0          | 0     | 0          | 10    | 0         | 0        | \$2,298          | 400       |
| Deactivated      | 1289       | 0.000 R&S                    | 7/25/200     | 7             | ECP Not             | Remove Crossing                | Medium               | -            | Pull       | 0          |       | 0          | 9     | 8         | 0        | \$82             | 28        |
|                  | excavate   | top to bottom f              | lags of all  | l fill in swa | le crossing and end | ihaul 1/2 to terminal landing  | g. Spoil 1/2 on appr | oaches.      |            |            |       |            |       |           |          |                  |           |
| 60.30514         | 2343       | 0.000 Alden                  | Alden        | 271 Pep       | Pep P0530407        | Surface Drainage               | Storm Proofing       | N/A          |            | 0          | 0     | 0          | 26    | 2         | 0        | \$6,278          | 318       |
| Deactivated      | 2343       | 0.650 R&S                    | 9/28/200     | 7             | ECP Not             | Tip and Dip                    | Medium               | -            | -          | 0          |       | 0          | 28    | 16        | 0        | \$20             | 318       |
|                  | Tip and I  | Dip                          |              |               |                     |                                |                      |              |            |            |       |            |       |           |          |                  |           |
| 60.30514         | 1175       | 0.190 McCanl                 | Alden        | 271 Pep       | Pep P0530407        | Cut Bank Failure               | Storm Proofing       | N/A          |            | 0          | 0     | 0          | 0     | 0         | 0        | \$0              | 0         |
| Private Seasonal | 1175       | 0.000 R&S                    | 9/25/200     | 7             | ECP Not             | Other                          | Medium               | -            | -          | 0          |       | 0          | 0     | 0         | 0        | \$0              | 0         |
|                  | small cut  | bank failure de <sub>l</sub> | positing o   | n road , rai  | np over to gain acc | ess, opon exiting install x-1  | oad drain to drain r | oad above o  | deposit    |            |       |            |       |           |          |                  |           |
| 60.30514         | 1174       | 0.210 McCanl                 | Alden        | 271 Pep       | Pep P0530407        | Humboldt                       | Storm Proofing       | III          |            | 0          | 0     | 0          | 3     | 0         | 0        | \$615            | 18        |
| Private Seasonal | 1174       | 0.000 R&S                    | 9/25/200     | 7             | ECP Not             | Armored Ford                   | Medium               | -            | RkFd       | 0          |       | 0          | 3     | 0         | 167      | \$34             | 18        |
|                  | a fill cro | ssing on a class             | 3 swale      | very little e | vidence of flow     | TREAT excavate fill store      | spoil left and right |              |            |            |       |            |       |           |          |                  |           |
| 60.30514         | 1173       | 0.280 McCanl                 | Alden        | 271 Pep       | Pep P0530407        | Fill - Landing                 | Storm Proofing       | N/A          |            | 0          | 0     | 0          | 2     | 0         | 0        | \$410            | 0         |
| Private Seasonal | 1173       | 0.000 R&S                    | 3/19/200     | 7             | ECP Not             | Excavate Soil                  | Medium               | -            | -          | 0          |       | 0          | 2     | 0         | 563      | \$0              | 0         |
|                  | potential  | landingfill failt            | are on 70%   | % slopes no   | delivery from site  | e. TREAT excavate fill stor    | e against cutbank    |              |            |            |       |            |       |           |          |                  |           |
| 60.30514         | 1172       | 0.400 McCanl                 | Alden        | 271 Pep       | Pep P0530407        | Slide - Shallow                | Storm Proofing       | N/A          |            | 0          | 0     | 0          | 0     | 0         | 0        | \$0              | 0         |
| Private Seasonal | 1172       | 0.000 R&S                    | 9/28/200     | 7             | ECP Not             | Other                          | Medium               | -            | -          | 0          |       | 0          | 0     | 0         | 0        | \$0              | 0         |
|                  | shallow l  |                              | ipslope de   | positing or   | n road prizm spring | g flow is currently flow fron  | n slide scar TREAT   | ramp ove     | er deposit | to gain    | acces | ss to site | below | install r | olling d | lip to drain s   | spring    |
| 60.30514         | 1171       | 0.450 McCanl                 | Alden        | 271 Pen       | Pep P0530407        | Humboldt                       | Storm Proofing       | III          |            | 0          | 0     | 0          | 0     | 0         | 0        | \$0              | 55        |
| Private Seasonal | 1171       |                              | 9/27/200     |               | ECP Not             | Armored Ford                   | High                 |              | Pull       | 0          | Ü     | 0          | 0     | 0         | 556      | \$0<br>\$0       | 55        |
| Titvate Seasonar |            |                              |              |               |                     | nt to spoil site using 2 truck | C                    |              | 1 un       | O          |       | Ü          | O     | O         | 330      | ΨΟ               | 33        |
| 60.30514         | 1170       | 0.460 McCanl                 |              |               | Pep P0530407        | Fill - Road                    | Storm Proofing       | Spr.         |            | 0          | 0     | 0          | 2     | 2         | 0        | \$323            | 145       |
| Private Seasonal |            |                              | 9/27/200     | •             | ECP Not             | Dip Critical                   | High                 |              | _          | 0          | Ü     | 0          | 0     | 0         | 145      | \$2              | 131       |
| 111vate Seasonai |            |                              |              | •             |                     | ring flow at IBR flowing lef   | C                    | REAT: eve    | avate and  | Ü          | toad  | -          | •     | •         |          | ,                |           |
| 60.30514         | 1169       | 0.500 McCanl                 |              |               | Pep P0530407        | CulvPlug                       | Storm Proofing       | II           | araw anu   | 0          | 0     | 0          | 49    | 43        | 0<br>0   | \$11,503         | 222       |
| Private Seasonal | 1169       |                              | 9/24/200°    | •             | ECP Not             | Culv. Maintenance              | High                 | 24"          | Pull       | 0          | 0     | 0          | 30    |           | ,200     | \$11,503<br>\$52 | 222       |
| 111vate Beasonal |            |                              |              |               |                     | wate and endhaul 50% to le     | C                    |              | 1 411      | J          |       | U          | 50    | J I       | ,200     | ψυΔ              | <i></i>   |
|                  | vy brugge  | a ≂-rombon a                 | - viass 2 31 | cam C1033     | me indai.caca       | Trace and chanaut 50/0 W I     | on and mo tost w mi  | . 112mr.     |            |            |       |            |       |           |          |                  |           |

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| Road #                                                                                                                              | GIS#                                                                                                                                             | Mile Plan                                                                                                                                                                                                              | Final                                                                                                                                                                                                               | THP#                                                                                                                                                   | THP Name                                                                                                                                                                                                   | Problem                                                                                                                                                                                                        | Repair Type                                                                                                                                                     | Cr. Class                                           | 3                               | DRCs                                                              | Rock                         | Left D                | Exca.             | Truck                 | Gra.                              | Cost                                               | Total Yds         |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------|-------------------------------------------------------------------|------------------------------|-----------------------|-------------------|-----------------------|-----------------------------------|----------------------------------------------------|-------------------|
| Road Class                                                                                                                          | ID#                                                                                                                                              | End Crew                                                                                                                                                                                                               | Done                                                                                                                                                                                                                | Rd Pt                                                                                                                                                  | ECP Number                                                                                                                                                                                                 | Solution                                                                                                                                                                                                       | Priority/Shedule                                                                                                                                                | Old Dia                                             | New I                           | Dia Ln                                                            |                              | Right D               | Cat               | Labor                 | Yds                               | \$/FSD                                             | FSD Yds           |
| 60.30514                                                                                                                            | 1168                                                                                                                                             | 0.520 McCan                                                                                                                                                                                                            | l Alden                                                                                                                                                                                                             | 271 Pep                                                                                                                                                | Pep P0530407                                                                                                                                                                                               | Fill - Road                                                                                                                                                                                                    | Storm Proofing                                                                                                                                                  | N/A                                                 |                                 | 0                                                                 | 0                            | 0                     | 0                 | 0                     | 0                                 | \$0                                                | 207               |
| Private Seasonal                                                                                                                    | 1168                                                                                                                                             | 0.000 R&S                                                                                                                                                                                                              | 9/24/200                                                                                                                                                                                                            | 7                                                                                                                                                      | ECP Not                                                                                                                                                                                                    | Excavate Soil                                                                                                                                                                                                  | Medium                                                                                                                                                          | -                                                   | -                               | 0                                                                 |                              | 0                     | 0                 | 0                     | 207                               | \$0                                                | 166               |
| e                                                                                                                                   | excavate                                                                                                                                         | and store agair                                                                                                                                                                                                        | ıst cutbanl                                                                                                                                                                                                         | C                                                                                                                                                      |                                                                                                                                                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                 |                                                     |                                 |                                                                   |                              |                       |                   |                       |                                   |                                                    |                   |
| 60.30514                                                                                                                            | 1167                                                                                                                                             | 0.550 McCan                                                                                                                                                                                                            | l Alden                                                                                                                                                                                                             | 271 Pep                                                                                                                                                | Pep P0530407                                                                                                                                                                                               | Fill - Road                                                                                                                                                                                                    | Storm Proofing                                                                                                                                                  | N/A                                                 |                                 | 0                                                                 | 0                            | 0                     | 6                 | 0                     | 0                                 | \$1,038                                            | 144               |
| Private Seasonal                                                                                                                    | 1167                                                                                                                                             | 0.000 R&S                                                                                                                                                                                                              | 9/24/200                                                                                                                                                                                                            | 7                                                                                                                                                      | ECP Not                                                                                                                                                                                                    | Excavate Soil                                                                                                                                                                                                  | Medium                                                                                                                                                          | -                                                   | -                               | 0                                                                 |                              | 0                     | 4                 | 1                     | 144                               | \$36                                               | 29                |
| P                                                                                                                                   | Potential                                                                                                                                        | road fill failure                                                                                                                                                                                                      | e on 80% s                                                                                                                                                                                                          | slopes 250                                                                                                                                             | above class 2 TR                                                                                                                                                                                           | EAT; excavate and store                                                                                                                                                                                        | against cutbank, rip a                                                                                                                                          | ınd install x                                       | -road d                         | rains on                                                          | landin                       | g and road            | l to left         | į .                   |                                   |                                                    |                   |
| 60.30515                                                                                                                            | 2344                                                                                                                                             | 0.000 Alden                                                                                                                                                                                                            | Alden                                                                                                                                                                                                               | 271 Pep                                                                                                                                                | Pep P0530407                                                                                                                                                                                               | Surface Drainage                                                                                                                                                                                               | Storm Proofing                                                                                                                                                  | N/A                                                 |                                 | 0                                                                 | 0                            | 0                     | 25                | 0                     | 0                                 | \$5,719                                            | 21:               |
| Abandoned Fixed                                                                                                                     | 2344                                                                                                                                             | 0.440 R&S                                                                                                                                                                                                              | 6/22/200                                                                                                                                                                                                            | 7                                                                                                                                                      | ECP Not                                                                                                                                                                                                    | Tip and Dip                                                                                                                                                                                                    | Medium                                                                                                                                                          | -                                                   | -                               | 0                                                                 |                              | 0                     | 29                | 6                     | 0                                 | \$27                                               | 21:               |
| T                                                                                                                                   | Γip and I                                                                                                                                        | Dip                                                                                                                                                                                                                    |                                                                                                                                                                                                                     |                                                                                                                                                        |                                                                                                                                                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                 |                                                     |                                 |                                                                   |                              |                       |                   |                       |                                   |                                                    |                   |
| 60.30515                                                                                                                            | 1264                                                                                                                                             | 0.040 McCan                                                                                                                                                                                                            | l Alden                                                                                                                                                                                                             | 271 Pep                                                                                                                                                | Pep P0530407                                                                                                                                                                                               | Fill - Landing                                                                                                                                                                                                 | Storm Proofing                                                                                                                                                  | N/A                                                 |                                 | 0                                                                 | 0                            | 0                     | 1                 | 0                     | 0                                 | \$205                                              | 11                |
| Private Seasonal                                                                                                                    | 1264                                                                                                                                             | 0.000 R&S                                                                                                                                                                                                              | 6/29/200                                                                                                                                                                                                            | 7                                                                                                                                                      | ECP Not                                                                                                                                                                                                    | Excavate Soil                                                                                                                                                                                                  | High                                                                                                                                                            | -                                                   | -                               | 0                                                                 |                              | 0                     | 1                 | 0                     | 111                               | \$9                                                | 2                 |
| 1:                                                                                                                                  | anding f                                                                                                                                         | ill perched abo                                                                                                                                                                                                        | ve class 3                                                                                                                                                                                                          | swale 7                                                                                                                                                | TREAt excavate pus                                                                                                                                                                                         | sh spoil against cutbank                                                                                                                                                                                       |                                                                                                                                                                 |                                                     |                                 |                                                                   |                              |                       |                   |                       |                                   |                                                    |                   |
|                                                                                                                                     | **NIOTE                                                                                                                                          | ** ADCHAEO                                                                                                                                                                                                             | T OCICAI                                                                                                                                                                                                            | CITEIN                                                                                                                                                 | ADEA NO ODEDA                                                                                                                                                                                              | TIONS IN RECORDED                                                                                                                                                                                              | CITE DEEED TO A                                                                                                                                                 | рсилеот                                             | OCIC                            | I DED                                                             | ОРТ                          |                       |                   |                       |                                   |                                                    |                   |
| 60.30515                                                                                                                            | 1263                                                                                                                                             | 0.080 McCan                                                                                                                                                                                                            |                                                                                                                                                                                                                     | 271 Pep                                                                                                                                                | Pep P0530407                                                                                                                                                                                               | Fill - Road                                                                                                                                                                                                    | Storm Proofing                                                                                                                                                  | N/A                                                 | JOGICA                          | O CEP                                                             | 0                            | 0                     | 0                 | 0                     | 0                                 | \$0                                                |                   |
| Private Seasonal                                                                                                                    | 1263                                                                                                                                             | 0.000 Necan                                                                                                                                                                                                            |                                                                                                                                                                                                                     | 2/11 Cp                                                                                                                                                | ECP Not                                                                                                                                                                                                    | Excavate Soil                                                                                                                                                                                                  | Medium                                                                                                                                                          | 1V/A                                                |                                 | 0                                                                 | U                            | 0                     | 0                 | 0                     | 0                                 | \$0<br>\$0                                         |                   |
|                                                                                                                                     |                                                                                                                                                  | ogging slash fro                                                                                                                                                                                                       |                                                                                                                                                                                                                     | o morle do                                                                                                                                             |                                                                                                                                                                                                            | Excavate 5011                                                                                                                                                                                                  | Medium                                                                                                                                                          | -                                                   | -                               | U                                                                 |                              | U                     | U                 | U                     | U                                 | \$0                                                |                   |
| 1                                                                                                                                   | CIHOVCI                                                                                                                                          | ogging stash it                                                                                                                                                                                                        | JIII IIII. 14                                                                                                                                                                                                       | O WOIK GO                                                                                                                                              | ic Aic sic.                                                                                                                                                                                                |                                                                                                                                                                                                                |                                                                                                                                                                 |                                                     |                                 |                                                                   |                              |                       |                   |                       |                                   |                                                    |                   |
|                                                                                                                                     |                                                                                                                                                  |                                                                                                                                                                                                                        |                                                                                                                                                                                                                     |                                                                                                                                                        |                                                                                                                                                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                 |                                                     |                                 |                                                                   |                              |                       |                   |                       |                                   |                                                    |                   |
| *                                                                                                                                   | **NOTE                                                                                                                                           | ** ARCHAEO                                                                                                                                                                                                             | LOGICA                                                                                                                                                                                                              | L SITE IN                                                                                                                                              | AREA. NO OPERA                                                                                                                                                                                             | TIONS IN RECORDED                                                                                                                                                                                              | SITE. REFER TO A                                                                                                                                                | RCHAEOI                                             | <b>LOGICA</b>                   | AL REP                                                            | ORT.                         |                       |                   |                       |                                   |                                                    |                   |
| 60.30515                                                                                                                            | **NOTE                                                                                                                                           | ** ARCHAEO<br>0.090 McCan                                                                                                                                                                                              |                                                                                                                                                                                                                     | L SITE IN<br>271 Pep                                                                                                                                   | AREA. NO OPERA<br>Pep P0530407                                                                                                                                                                             | Other                                                                                                                                                                                                          | Storm Proofing                                                                                                                                                  | RCHAEOI<br>Swale                                    | JOGICA                          | AL REP                                                            | ORT.                         | 0                     | 0                 | 0                     | 0                                 | \$0                                                |                   |
|                                                                                                                                     |                                                                                                                                                  |                                                                                                                                                                                                                        | l Alden                                                                                                                                                                                                             |                                                                                                                                                        |                                                                                                                                                                                                            |                                                                                                                                                                                                                |                                                                                                                                                                 |                                                     | JOGICA<br>-                     |                                                                   |                              | 0                     | 0                 | 0                     | 0                                 | \$0<br>\$0                                         |                   |
| 60.30515<br>Private Seasonal                                                                                                        | 1262<br>1262                                                                                                                                     | 0.090 McCan<br>0.000 R&S                                                                                                                                                                                               | l Alden<br>8/7/2008                                                                                                                                                                                                 | 271 Pep                                                                                                                                                | Pep P0530407<br>ECP Not                                                                                                                                                                                    | Other                                                                                                                                                                                                          | Storm Proofing<br>High                                                                                                                                          |                                                     | OGICA<br>-                      | 0                                                                 |                              |                       |                   |                       | -                                 | * *                                                |                   |
| 60.30515<br>Private Seasonal                                                                                                        | 1262<br>1262<br>road cros                                                                                                                        | 0.090 McCan<br>0.000 R&S<br>ses swale water                                                                                                                                                                            | l Alden<br>8/7/2008<br>er placed a                                                                                                                                                                                  | 271 Pep                                                                                                                                                | Pep P0530407<br>ECP Not<br>TREAT remove w                                                                                                                                                                  | Other Dip Rolling oody debris from fill inst                                                                                                                                                                   | Storm Proofing<br>High<br>all rolling dip                                                                                                                       | Swale<br>-                                          | -                               | 0                                                                 | 0                            |                       |                   |                       | -                                 | * *                                                |                   |
| 60.30515<br>Private Seasonal                                                                                                        | 1262<br>1262<br>road cros                                                                                                                        | 0.090 McCan<br>0.000 R&S<br>ses swale wate<br>** ARCHAEO                                                                                                                                                               | l Alden<br>8/7/2008<br>er placed a                                                                                                                                                                                  | 271 Pep  t location  L SITE IN                                                                                                                         | Pep P0530407 ECP Not TREAT remove w AREA. NO OPERA                                                                                                                                                         | Other Dip Rolling cody debris from fill inst                                                                                                                                                                   | Storm Proofing High all rolling dip SITE. REFER TO A                                                                                                            | Swale<br>-<br><b>RCHAEOI</b>                        | -                               | 0<br>0<br>AL REP                                                  | ORT.                         | 0                     | 0                 | 0                     | 0                                 | \$0                                                | (                 |
| 60.30515<br>Private Seasonal<br>r<br>60.30515                                                                                       | 1262<br>1262<br>road cros<br>**NOTE<br>1262                                                                                                      | 0.090 McCan<br>0.000 R&S<br>ses swale wate<br>** ARCHAEO<br>0.090 Hascha                                                                                                                                               | l Alden<br>8/7/2008<br>er placed a<br>pLOGICAI<br>k Borcich                                                                                                                                                         | 271 Pep  t location  L SITE IN  17-104                                                                                                                 | Pep P0530407 ECP Not TREAT remove w AREA. NO OPERA                                                                                                                                                         | Other Dip Rolling cody debris from fill instantions IN RECORDED Temp. Crossing                                                                                                                                 | Storm Proofing High all rolling dip SITE. REFER TO A THP App. Rd.                                                                                               | Swale<br>-                                          | -                               | 0<br>0<br><b>AL REP</b> 0                                         | 0                            | 0                     | 0                 | 0                     | 0                                 | \$0                                                |                   |
| 60.30515 Private Seasonal  60.30515 Private Seasonal                                                                                | 1262<br>1262<br>road cross<br>**NOTE<br>1262<br>6575                                                                                             | 0.090 McCan 0.000 R&S sees swale wate ** ARCHAEO 0.090 Haschai 0.000 Unk                                                                                                                                               | l Alden<br>8/7/2008<br>er placed a<br>LOGICAI<br>k Borcich<br>10/15/20                                                                                                                                              | 271 Pep  t location  L SITE IN  17-104                                                                                                                 | Pep P0530407 ECP Not TREAT remove w AREA. NO OPERA Elm ECP Not                                                                                                                                             | Other Dip Rolling cody debris from fill inst                                                                                                                                                                   | Storm Proofing High all rolling dip SITE. REFER TO A                                                                                                            | Swale<br>-<br><b>RCHAEOI</b>                        | -                               | 0<br>0<br>AL REP                                                  | ORT.                         | 0                     | 0                 | 0                     | 0                                 | \$0                                                |                   |
| 60.30515 Private Seasonal  60.30515 Private Seasonal                                                                                | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain                                                                                  | 0.090 McCan 0.000 R&S ses swale wate ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling                                                                                                                                | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAl<br>k Boreich<br>10/15/20<br>g dip acros                                                                                                                              | 271 Pep  tt location  L SITE IN  17-104  19  ss swale at                                                                                               | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations.                                                                                                                       | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing                                                                                                                  | Storm Proofing High  all rolling dip  SITE. REFER TO A  THP App. Rd.  Medium                                                                                    | Swale<br>-<br><b>RCHAEOI</b><br>Swale<br>-          | -                               | 0<br>0<br><b>AL REP</b> 0<br>0                                    | 0<br>ORT.<br>0               | 0 0 0                 | 0 0               | 0 0                   | 0 0 0                             | \$0<br>\$0<br>\$0                                  | (                 |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515                                                                      | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261                                                                          | 0.090 McCan 0.000 R&S ses swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan                                                                                                                   | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAI<br>k Borcich<br>10/15/20<br>g dip acros                                                                                                                              | 271 Pep  tt location  L SITE IN  17-104  19  ss swale at                                                                                               | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407                                                                                                          | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road                                                                                                      | Storm Proofing High all rolling dip SITE. REFER TO A THP App. Rd. Medium Storm Proofing                                                                         | Swale<br>-<br><b>RCHAEOI</b>                        | -                               | 0<br>0<br><b>AL REP</b> (<br>0<br>0                               | ORT.                         | 0 0 0                 | 0 0 0             | 0 0 0                 | 0 0 0                             | \$0<br>\$0<br>\$0                                  | (                 |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal                                                     | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261                                                                          | 0.090 McCan 0.000 R&S sees swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S                                                                                                        | 1 Alden<br>8/7/2008<br>er placed a<br>LOGICAI<br>k Borcich<br>10/15/20<br>g dip acros<br>1 Alden<br>8/7/2008                                                                                                        | 271 Pep<br>at location<br>L SITE IN<br>17-104<br>19<br>ss swale at<br>271 Pep                                                                          | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not                                                                                                  | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil                                                                                        | Storm Proofing High  all rolling dip  SITE. REFER TO A  THP App. Rd.  Medium                                                                                    | Swale<br>-<br><b>RCHAEOI</b><br>Swale<br>-          | -                               | 0<br>0<br><b>AL REP</b> 0<br>0                                    | 0<br>ORT.<br>0               | 0 0 0                 | 0 0               | 0 0                   | 0 0 0                             | \$0<br>\$0<br>\$0                                  | (                 |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal                                                     | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261                                                                          | 0.090 McCan 0.000 R&S sees swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S                                                                                                        | 1 Alden<br>8/7/2008<br>er placed a<br>LOGICAI<br>k Borcich<br>10/15/20<br>g dip acros<br>1 Alden<br>8/7/2008                                                                                                        | 271 Pep<br>at location<br>L SITE IN<br>17-104<br>19<br>ss swale at<br>271 Pep                                                                          | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407                                                                                                          | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil                                                                                        | Storm Proofing High all rolling dip SITE. REFER TO A THP App. Rd. Medium Storm Proofing                                                                         | Swale<br>-<br><b>RCHAEOI</b><br>Swale<br>-          | -                               | 0<br>0<br><b>AL REP</b> (<br>0<br>0                               | 0<br>ORT.<br>0               | 0 0 0                 | 0 0 0             | 0 0 0                 | 0 0 0                             | \$0<br>\$0<br>\$0                                  |                   |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  10                                                 | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261<br>1261<br>lots of or                                                    | 0.090 McCan 0.000 R&S sees swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill                                                                                         | 1 Alden<br>8/7/2008<br>er placed a<br>LOGICAI<br>k Borcich<br>10/15/20<br>g dip acros<br>1 Alden<br>8/7/2008<br>TREAT re                                                                                            | 271 Pep  at location  L SITE IN  17-104  19  ss swale at  271 Pep  emove slas                                                                          | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work                                                                              | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil                                                                                        | Storm Proofing High all rolling dip  SITE. REFER TO A THP App. Rd. Medium  Storm Proofing Medium                                                                | Swale - RCHAEOI Swale - N/A -                       | -<br>-<br>-                     | 0<br>0<br>0<br><b>AL REP</b> 0<br>0<br>0                          | 0<br>ORT.<br>0               | 0 0 0                 | 0 0 0             | 0 0 0                 | 0 0 0                             | \$0<br>\$0<br>\$0                                  | (                 |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  10                                                 | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261<br>1261<br>lots of or                                                    | 0.090 McCan 0.000 R&S sees swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill                                                                                         | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAI<br>k Borcich<br>10/15/20<br>g dip acros<br>l Alden<br>8/7/2008<br>TREAT re                                                                                           | 271 Pep  tt location  L SITE IN  17-104  19  ss swale at  271 Pep  emove slas                                                                          | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work                                                                              | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil                                                                                        | Storm Proofing High all rolling dip  SITE. REFER TO A THP App. Rd. Medium  Storm Proofing Medium                                                                | Swale - RCHAEOI Swale - N/A -                       | -<br>-<br>-                     | 0<br>0<br>0<br><b>AL REP</b> 0<br>0<br>0                          | 0<br>ORT.<br>0               | 0 0 0                 | 0 0 0             | 0 0 0                 | 0 0 0                             | \$0<br>\$0<br>\$0                                  |                   |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  10 10 10 10 10 10 10 10 10 10 10 10 10             | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261<br>1261<br>lots of or<br>**NOTE<br>1260                                  | 0.090 McCan 0.000 R&S sees swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill  ** ARCHAEO 0.220 McCan                                                                 | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAI<br>k Borcich<br>10/15/20<br>g dip acros<br>l Alden<br>8/7/2008<br>TREAT re                                                                                           | 271 Pep  at location  L SITE IN  17-104  19  as swale at  271 Pep  emove slas  L SITE IN  271 Pep                                                      | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work  AREA. NO OPERA                                                              | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil done Arc site.                                                                         | Storm Proofing High all rolling dip SITE. REFER TO A THP App. Rd. Medium Storm Proofing Medium                                                                  | Swale - RCHAEOI Swale - N/A -                       | -<br>-<br>-                     | 0<br>0<br><b>AL REP</b> (<br>0<br>0<br>0                          | 0  ORT.  0  ORT.             | 0 0 0                 | 0 0 0             | 0 0 0                 | 0 0 0                             | \$0<br>\$0<br>\$0<br>\$0                           | ,                 |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Abandoned Fixed                           | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261<br>1261<br>lots of or<br>**NOTE<br>1260<br>1260                          | 0.090 McCan 0.000 R&S sees swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill  ** ARCHAEO 0.220 McCan                                                                 | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAl<br>k Borcich<br>10/15/20<br>g dip acros<br>l Alden<br>8/7/2008<br>TREAT re<br>bLOGICAl<br>l Alden<br>6/28/200°                                                       | 271 Pep  at location  L SITE IN  17-104  19  ss swale at  271 Pep  emove slas  L SITE IN  271 Pep  7                                                   | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work  AREA. NO OPERA Pep P0530407                                                 | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil done Arc site. ATIONS IN RECORDED Fill - Road                                          | Storm Proofing High all rolling dip  SITE. REFER TO A THP App. Rd. Medium  Storm Proofing Medium  SITE. REFER TO A Storm Proofing                               | Swale - RCHAEOI Swale - N/A -                       | -<br>-<br>-                     | 0<br>0<br>0<br>1<br>0<br>0<br>0<br>0<br>0<br>0                    | 0  ORT.  0  ORT.             | 0 0 0 0               | 0 0 0 0 0         | 0 0 0 0 0             | 0 0 0 0                           | \$0<br>\$0<br>\$0<br>\$0<br>\$0                    | 18                |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Abandoned Fixed                           | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261<br>1261<br>lots of or<br>**NOTE<br>1260<br>1260                          | 0.090 McCan 0.000 R&S ses swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill  ** ARCHAEO 0.220 McCan 0.000 R&S                                                        | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAI<br>k Borcich<br>10/15/20<br>g dip acros<br>l Alden<br>8/7/2008<br>TREAT re<br>bLOGICAI<br>l Alden<br>6/28/200°                                                       | 271 Pep  at location  L SITE IN  17-104  19  ss swale at  271 Pep  emove slass  L SITE IN  271 Pep  7                                                  | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work  AREA. NO OPERA Pep P0530407                                                 | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil done Arc site. ATIONS IN RECORDED Fill - Road                                          | Storm Proofing High all rolling dip  SITE. REFER TO A THP App. Rd. Medium  Storm Proofing Medium  SITE. REFER TO A Storm Proofing                               | Swale - RCHAEOI Swale - N/A -                       | -<br>-<br>-                     | 0<br>0<br>0<br>1<br>0<br>0<br>0<br>0<br>0<br>0                    | 0  ORT.  0  ORT.             | 0 0 0 0               | 0 0 0 0 0         | 0 0 0 0 0             | 0 0 0 0                           | \$0<br>\$0<br>\$0<br>\$0<br>\$0                    | 18                |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Abandoned Fixed                           | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261<br>1261<br>lots of or<br>**NOTE<br>1260<br>1260<br>excavate<br>1259      | 0.090 McCan 0.000 R&S ses swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill  ** ARCHAEO 0.220 McCan 0.000 R&S road fill store a                                      | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAI<br>k Borcich<br>10/15/20<br>g dip acros<br>l Alden<br>8/7/2008<br>TREAT re<br>bLOGICAI<br>l Alden<br>6/28/200°                                                       | 271 Pep  at location  L SITE IN  17-104  19  ss swale at  271 Pep  emove slas  L SITE IN  271 Pep  7  bank  271 Pep                                    | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work  AREA. NO OPERA Pep P0530407 ECP Not                                         | Other Dip Rolling oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil done Arc site. ATIONS IN RECORDED Fill - Road Excavate Soil                            | Storm Proofing High all rolling dip  SITE. REFER TO A THP App. Rd. Medium  Storm Proofing Medium  SITE. REFER TO A Storm Proofing Medium                        | Swale - RCHAEOI Swale - N/A - RCHAEOI N/A -         | -<br>-<br>-                     | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0               | 0  ORT.  0  ORT.  0  ORT.  0 | 0 0 0 0 0             | 0 0 0 0 2 2 2     | 0 0 0 0 0 0           | 0<br>0<br>0<br>0<br>0             | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0             | 18<br>5           |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Abandoned Fixed  60.30515 Abandoned Fixed | 1262 1262 1262 1262 1262 6575  Maintain 1261 1261 1260 1260 1260 excavate 1259 1259                                                              | 0.090 McCan 0.000 R&S ses swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill  ** ARCHAEO 0.220 McCan 0.000 R&S road fill store a 0.230 McCan 0.000 R&S                | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAI<br>k Borcich<br>10/15/20<br>g dip acros<br>l Alden<br>8/7/2008<br>TREAT re<br>bLOGICAI<br>l Alden<br>6/28/200'<br>against cut<br>l Alden<br>6/28/200'                | t location L SITE IN 17-104 19 ss swale at 271 Pep emove slas L SITE IN 271 Pep 7 bank 271 Pep 7                                                       | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work  AREA. NO OPERA Pep P0530407 ECP Not Pep P0530407                            | Other Dip Rolling Oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil I done Arc site. ATIONS IN RECORDED Fill - Road Excavate Soil Humboldt Remove Crossing | Storm Proofing High all rolling dip  SITE. REFER TO A THP App. Rd. Medium  Storm Proofing Medium  SITE. REFER TO A Storm Proofing Medium  Storm Proofing Medium | Swale - RCHAEOI Swale - N/A - RCHAEOI N/A - III -   | -<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br><b>AL REP</b> 0<br>0<br>0 | 0  ORT.  0  ORT.  0  ORT.  0 | 0<br>0<br>0<br>0<br>0 | 0 0 0 0 0 2 2 4   | 0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>189 | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$1,308  | 18<br>5           |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Abandoned Fixed  60.30515 Abandoned Fixed | 1262 1262 1262 1262 1262 6575  Maintain 1261 1261 1260 1260 1260 excavate 1259 1259                                                              | 0.090 McCan 0.000 R&S ses swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill  ** ARCHAEO 0.220 McCan 0.000 R&S road fill store a 0.230 McCan 0.000 R&S                | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAl<br>k Boreich<br>10/15/20<br>g dip across<br>l Alden<br>8/7/2008<br>TREAT re<br>bLOGICAl<br>l Alden<br>6/28/200'<br>against cut<br>l Alden<br>6/28/200'<br>wale no ch | t location L SITE IN 17-104 19 ss swale at 271 Pep emove slas L SITE IN 271 Pep 7 bank 271 Pep 7                                                       | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work  AREA. NO OPERA Pep P0530407 ECP Not Pep P0530407 ECP Not                    | Other Dip Rolling Oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil I done Arc site. ATIONS IN RECORDED Fill - Road Excavate Soil Humboldt Remove Crossing | Storm Proofing High all rolling dip  SITE. REFER TO A THP App. Rd. Medium  Storm Proofing Medium  SITE. REFER TO A Storm Proofing Medium  Storm Proofing Medium | Swale - RCHAEOI Swale - N/A - RCHAEOI N/A - III -   | -<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br><b>AL REP</b> 0<br>0<br>0 | 0  ORT.  0  ORT.  0  ORT.  0 | 0<br>0<br>0<br>0<br>0 | 0 0 0 0 0 2 2 4   | 0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>189 | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$1,308  | 18<br>5<br>2<br>2 |
| 60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Private Seasonal  60.30515 Abandoned Fixed  60.30515 Abandoned Fixed | 1262<br>1262<br>road cros<br>**NOTE<br>1262<br>6575<br>Maintain<br>1261<br>1261<br>1260<br>1260<br>1260<br>excavate<br>1259<br>1259<br>road cros | 0.090 McCan 0.000 R&S ses swale wate  ** ARCHAEO 0.090 Hascha 0.000 Unk existing rolling 0.100 McCan 0.000 R&S ganics in fill  ** ARCHAEO 0.220 McCan 0.000 R&S road fill store a 0.230 McCan 0.000 R&S ses headwall s | l Alden<br>8/7/2008<br>er placed a<br>bLOGICAl<br>k Boreich<br>10/15/20<br>g dip across<br>l Alden<br>8/7/2008<br>TREAT re<br>bLOGICAl<br>l Alden<br>6/28/200'<br>against cut<br>l Alden<br>6/28/200'<br>wale no ch | 271 Pep  at location  L SITE IN  17-104  19  as swale at  271 Pep  emove slas  L SITE IN  271 Pep  bank  271 Pep  chank  271 Pep  annel visil  271 Pep | Pep P0530407 ECP Not TREAT remove w  AREA. NO OPERA Elm ECP Not close of operations. Pep P0530407 ECP Not h from fill No work  AREA. NO OPERA Pep P0530407 ECP Not Pep P0530407 ECP Not Ole skid road down | Other Dip Rolling Oody debris from fill inst ATIONS IN RECORDED Temp. Crossing Temp. Crossing Fill - Road Excavate Soil I done Arc site. ATIONS IN RECORDED Fill - Road Excavate Soil Humboldt Remove Crossing | Storm Proofing High all rolling dip  SITE. REFER TO A THP App. Rd. Medium  Storm Proofing Medium  SITE. REFER TO A Storm Proofing Medium  Storm Proofing Medium | Swale - RCHAEOI Swale - N/A - RCHAEOI N/A - III - t | -<br>-<br>-<br>-<br>-<br>-<br>- | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0               | 0  ORT.  0  ORT.  0  ORT.  0 | 0<br>0<br>0<br>0<br>0 | 0 0 0 0 0 2 2 4 4 | 0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>189      | \$0<br>\$0<br>\$0<br>\$0<br>\$0<br>\$1,308<br>\$65 | 18 5              |

Thursday, November 9, 2023 Completed Road Work Page 61 of 70

| Road Class   ID#   End   Crew   Done   Rd   Pt   ECP Number   Solution   Priority/Shedule   Old Dia   New Dia   In   Right   D   Cat   Labor   Yds   S/FSD   FSD Yds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Abandoned Fixed 1257 0.000 R&S 6/27/2007 ECP Not Excavate Soil High 0 0 0 3 0 1,437 \$2 575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Column   C    |
| Column   C    |
| Abandoned Fixed   1256   0.000 R&S   6/25/2007   ECP Not   Remove Crossing   High   - Pull   0   0   43   0   2,223   \$66   222   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   220   22 |
| Storm Proofing   N/A   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 60.30515 1244 0.390 McCarl Alden 271 Pep Pep P0530407 Fill - Road Storm Proofing N/A 0 0 0 0 9 7 0 \$1,908 685 Abandoned Fixed 1244 0.000 R&S 6/22/2007 ECP Not Excavate Soil High 0 0 0 5 0 685 \$3 617  **Excavate and endhaul 400 yrds to right to ridge**  60.30515 1243 0.440 McCarl Alden 271 Pep Pep P0530407 Humboldt Storm Proofing III 0 0 0 12 0 0 \$2,538 148  Abandoned Fixed 1243 0.000 R&S 6/21/2007 ECP Not Remove Crossing High - Pull 0 0 13 2 593 \$17 148  **Top of 5' stump located at top flag , skid crossing 50' below access from road 100' to right local storage**  60.30515 4311 0.440 Alden Hagans 271 Pep Pep P0530407 Surface Drainage Storm Proofing N/A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Abandoned Fixed 1244 0.000 R&S 6/22/2007 ECP Not Excavate Soil High 0 0 0 5 0 685 \$3 617    Excavate Soil High 0 0 0 5 0 685 \$3 617                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Excavate and endhaul   400 yrds to right   1243   0.440 McCan    Alden   271 Pep   Pep P0530407   Humboldt   Storm Proofing   III   0 0 0 12 0 0 13 2 593 \$17 148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 60.30515 1243 0.440 McCarl Alden 271 Pep Pep P0530407 Humboldt Storm Proofing III 0 0 0 0 12 0 0 \$2,538 148 Abandoned Fixed 1243 0.000 R&S 6/21/2007 ECP Not Remove Crossing High - Pull 0 0 13 2 593 \$17 148  top of 5' stump located at top flag , skid crossing 50' below access from road 100' to right local storage  60.30515 4311 0.440 Alden Hagans 271 Pep Pep P0530407 Surface Drainage Storm Proofing N/A 0 0 0 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Abandoned Fixed 1243 0.000 R&S 6/21/2007 ECP Not Remove Crossing High - Pull 0 0 13 2 593 \$17 148  top of 5' stump located at top flag , skid crossing 50' below access from road 100' to right local storage  60.30515 4311 0.440 Alden Hagans 271 Pep Pep P0530407 Surface Drainage Storm Proofing N/A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| top of 5' stump located at top flag , skid crossing 50' below access from road 100 ' to right local storage  60.30515 4311 0.440 Alden Hagans 271 Pep Pep P0530407 Surface Drainage Storm Proofing N/A 0 0 0 0 0 0 0 \$0 0 \$0 0 0 0 \$0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 60.30515 4311 0.440 Alden Hagans 271 Pep Pep P0530407 Surface Drainage Storm Proofing N/A 0 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Abandoned Lega 4311 0.755 R&S 6/30/2007 ECP Not No Action Medium 0 0 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Danny inspected this road and determined that no work was necessary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 60.305161 4380 0.000 Alden Alden Maintena Maintena Maintenance No Problem Storm Proofing N/A 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Not Connected 4380 0.530 Unk 9/25/2007 ECP Not No Action Medium 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 60.30516128 4381 0.000 Alden Alden Maintena Maintena Maintenance No Problem Storm Proofing N/A 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Not Connected 4381 0.160 Unk 9/25/2007 ECP Not No Action Medium 0 0 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 60.30518 1209 0.000 Pehl Pehl Storm Pro Storm Proofing Surface Drainage Storm Proofing N/A 0 0 0 5 0 0 \$960 166                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Upgraded 1209 0.340 ME 12/29/2001 ECP Not Dip Rolling Medium 0 0 5 0 0 \$6 166                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Road drainage upgrade on State 40 Loop. Outslope and dip.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 60.30518 5505 0.000 Chidlaw Chidlaw Maintena Maintenance Other Maintenance N/A 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Private Seasonal 5505 0.336 Unk 8/25/2009 ECP Not Herbicides Medium 0 0 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 60.30518 2060 0.350 Pehl Pehl Maintena Maintenance Surface Drainage Maintenance N/A 0 0 0 6 10 0 \$1,880 49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Upgraded 2060 0.450 ME 8/29/2002 ECP Not Rock Surface Medium 0 0 7 0 0 \$38 49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 60.3061 2672 0.000 Pehl Pehl 03-075 Franklins Tower No Problem THP Maint Insp N/A 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Private Seasonal 2672 4.600 Unk 12/23/2005 ECP Not No Action No Action 0 0 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Winter Inspection. No problems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 60.3061 2751 0.000 Pehl Pehl 03-075 Franklins Tower No Problem THP ECP N/A 0 0 0 0 0 0 0 0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Private Seasonal 2751 3.900 Unk 1/12/2006 SPP No Action No Action 0 0 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 60.3061 6883 0.000 Weaver Borcich 20-00003 Vista CulvPlug THP App. Rd. N/A 0 0 0 0 0 0 \$708 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Private Perm. 6883 0.000 Unk 10/15/2023 ECP Not Culv. Replace THP Low 18" 18" 60 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Existing 18" DRC with plugged outlet along existing permanent appurtenant road. Culvert showing excessive rusting at inlet. Remove DRC and replace with new 18" DRC. Rerock the road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| surface as need. May be same as GIS Map # 881.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 60.3061 6890 0.000 Weaver Borcich 20-00003 Vista CulvDitch Relief THP App. Rd. N/A 0 0 0 0 0 \$708 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Private Perm. 6890 0.000 Unk 10/15/2023 ECP Not Culv. Install THP Low - 18" 60 0 0 0 0 \$0 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Wet area associated with existing permanent appurtenant road. Wet area captured by existing ditch has very little relief and spills across road (back towards MP12) during storm events. Install 18" DRC at flagged location. Reestablish ditch from culvert to double hung orange flags. Rerock road as needed.

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| Road #           | GIS#       | Mile Plan                     | Final       | THP#          | THP Name                | Problem                           | Repair Type            | Cr. Class    | 3      | DRCs       | Rock    | Left D     | Exca.   | Truck     | Gra.     | Cost            | Total Yds |
|------------------|------------|-------------------------------|-------------|---------------|-------------------------|-----------------------------------|------------------------|--------------|--------|------------|---------|------------|---------|-----------|----------|-----------------|-----------|
| Road Class       | ID#        | End Crew                      | Done        | Rd Pt         | ECP Number              | Solution                          | Priority/Shedule       | Old Dia      | New [  | Dia Ln     |         | Right D    | Cat     | Labor     | Yds      | \$/FSD          | FSD Yds   |
| 60.3061          | 872        | 0.070 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | No Problem                        | Weather Damage         | N/A          |        | 0          | 0       | 0          | 1       | 0         | 0        | \$185           | 0         |
| Private Perm.    | 872        | 0.000 ME                      | 4/10/200    | 0             | ECP Not                 | Other                             | Low                    | 15"          | _      | 0          |         | 0          | 1       | 0         | 0        | \$0             | 0         |
|                  | A 15" D    | RC draining 35                | of inside   | ditch , no    | flow . Remove and in    | stall rolling dip at flagge       | ed location.           |              |        |            |         |            |         |           |          |                 |           |
| 60.3061          | 873        | 0.100 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | Other                             | Maintenance            | N/A          |        | 0          | 0       | 0          | 0       | 10        | 0        | \$925           | 0         |
| Private Seasonal | 873        | 0.150 ME                      | 4/10/200    | 0             | ECP Not                 | Rock Surface                      | Medium                 | -            | -      | 0          |         | 0          | 5       | 0         | 0        | \$0             | 0         |
|                  | 250' sect  | ion of road ,rutt             | ed and so   | ft , re- rock | and crown road.         |                                   |                        |              |        |            |         |            |         |           |          |                 |           |
| 60.3061          | 1214       | 0.300 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | Surface Drainage                  | Storm Proofing         | N/A          |        | 0          | 0       | 0          | 18      | 24        | 0        | \$3,773         | 0         |
| Private Seasonal | 1214       | 0.400 ME                      | 1/19/200    | 1             | ECP Not                 | Rock Surface                      | Medium                 | -            | -      | 0          |         | 0          | 8       | 0         | 0        | \$0             | 0         |
| 60.3061          | 874        | 0.410 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | CulvHDP                           | Storm Proofing         | III          |        | 0          | 0       | 0          | 2       | 0         | 0        | \$1,066         | 20        |
| Private Perm.    | 874        | $0.000~\mathrm{ME}$           | 4/5/2000    |               | ECP Not                 | Culv. Replace                     | Medium                 | 24"          | 24"    | 40         |         | 0          | 0       | 4         | 65       | \$53            | 20        |
|                  |            | •                             | as DP to    | right , chan  | nel was constructed fi  | om inlet up for 50' with          | n 2' vertical sides, o | outlet is bu | ried.  | Freat: rep | olace v | vith 24" c | mp to g | grade, ac | id CD ,  | lay sides b     | ack 2     |
| 60.3061          | 874        | hannel above<br>0.430 Haschal | r Dahl      | 06-009        | Terre                   | Culv.                             | Maintenance            | III          |        | 0          | 0       | 0          | 3       | 0         | 0        | \$1,077         | 20        |
| Private Perm.    | 2626       |                               |             |               | Ivy<br>ECP Not          | Other                             | Medium                 | 24"          | 24"    | 30         | U       | 0          | 0       | 3         | 0        | \$1,077<br>\$54 | 20        |
|                  |            |                               | 9/25/200    |               |                         |                                   |                        |              | 24"    |            | . 11    |            | •       | -         |          | * -             |           |
|                  |            |                               |             |               | essary replace it at th | at it was replaced in 20 at time. | 00. It may be that the | e ena was a  | amageo | auring 1   | nstana  | uon. Cne   | ck this | cuivert a | again be | erore closin    | g out     |
| 60.3061          | 875        | 0.510 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | CulvDitch Relief                  | Weather Damage         | N/A          |        | 0          | 0       | 0          | 0       | 0         | 0        | \$0             | 0         |
| Private Perm.    | 875        | 0.000 ME                      | 4/5/2000    |               | ECP Not                 | No Action                         | Low                    | 18"          | -      | 0          |         | 0          | 0       | 0         | 0        | \$0             | 0         |
|                  | A 18" D    | RC no action                  |             |               |                         |                                   |                        |              |        |            |         |            |         |           |          |                 |           |
| 60.3061          | 879        | 1.110 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | CulvHDP                           | Weather Damage         | III          |        | 0          | 0       | 0          | 0       | 1         | 0        | \$205           | 0         |
| Private Perm.    | 879        | 0.000 ME                      | 4/6/2000    |               | ECP Not                 | Dip Critical                      | Medium                 | 24"          | -      | 0          |         | 0          | 2       | 0         | 0        | \$0             | 0         |
|                  | A 24 cm    | on a class 3, l               | nas DP to   | left. Tre     | at: add CD left hinge   | •                                 |                        |              |        |            |         |            |         |           |          |                 |           |
| 60.3061          | 880        | 1.150 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | Inside ditch                      | Weather Damage         | N/A          |        | 0          | 0       | 0          | 2       | 0         | 0        | \$1,020         | 0         |
| Private Perm.    | 880        | 0.000 ME                      | 4/6/2000    |               | ECP Not                 | Culv. Ditch Relief                | High                   | -            | 18"    | 50         |         | 0          | 2       | 2         | 0        | \$0             | 0         |
|                  | install 1  | 8" DRC 75' to                 | left of cr  | ossing #7     |                         |                                   |                        |              |        |            |         |            |         |           |          |                 |           |
| 60.3061          | 6571       | 1.200 Haschal                 | Borcich     | 17-104        | Elm                     | Surface Drainage                  | THP App. Rd.           | N/A          |        | 0          | 0       | 0          | 0       | 0         | 0        | \$100           | 0         |
| Private Seasonal | 6571       | 0.000 Unk                     | 10/15/20    | 19            | ECP Not                 | Dip Rolling                       | Medium                 | -            | -      | 0          |         | 0          | 1       | 0         | 0        | \$0             | 0         |
|                  | Install ro | lling dip that in             | tercepts in | nside ditch.  |                         |                                   |                        |              |        |            |         |            |         |           |          |                 |           |
| 60.3061          | 881        | 1.250 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | CulvHDP                           | Maintenance            | N/A          |        | 0          | 0       | 0          | 1       | 0         | 0        | \$190           | 0         |
| Private Perm.    | 881        | $0.000~\mathrm{ME}$           | 4/6/2000    |               | ECP Not                 | Culv. Maintenance                 | Medium                 | 18"          | -      | 0          |         | 0          | 1       | 0         | 0        | \$0             | 0         |
|                  | A 18" D    | RC, treat: clea               | n inlet an  | d outlet, in  | stall rolling dip on lo | wer road where flow cr            | osses.                 |              |        |            |         |            |         |           |          |                 |           |
| 60.3061          | 884        | 2.100 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | Fill - Landing                    | Weather Damage         | N/A          |        | 0          | 0       | 0          | 1       | 0         | 0        | \$190           | 67        |
| Private Perm.    | 884        | $0.000~\mathrm{ME}$           | 4/6/2000    |               | ECP Not                 | Excavate Soil                     | Medium                 | -            | -      | 0          |         | 0          | 1       | 0         | 67       | \$3             | 67        |
|                  | past land  | ling fill failure             | treat:      | excavate b    | ack edge of failure ap  | prox. 67 yrds. De-wate            | er slide.              |              |        |            |         |            |         |           |          |                 |           |
| 60.3061          | 885        | 2.380 McCanl                  | Alden       | Storm Pro     | Storm Proofing          | CulvDitch Relief                  | Maintenance            | N/A          |        | 0          | 0       | 0          | 1       | 0         | 0        | \$115           | 0         |
| Private Perm.    | 885        | 0.000 ME                      | 4/6/2000    |               | ECP Not                 | Culv. Ditch Relief                | Medium                 | 18"          | -      | 0          |         | 0          | 0       | 0         | 0        | \$0             | 0         |
|                  | clean in   | et and outlet.                |             |               |                         |                                   |                        |              |        |            |         |            |         |           |          |                 |           |

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| Road #           | GIS#       | Mile Plan           | Final       | THP#          | THP Name              | Problem                    | Repair Type          | Cr. Class    | . DI     | RCs Roc    | k Left D   | Exca.   | Truck   | Gra.      | Cost     | Total Yds |
|------------------|------------|---------------------|-------------|---------------|-----------------------|----------------------------|----------------------|--------------|----------|------------|------------|---------|---------|-----------|----------|-----------|
| Road Class       | ID#        | End Crew            | Done        | Rd Pt         | ECP Number            | Solution                   | Priority/Shedule     | Old Dia      | New Dia  | . Ln       | Right D    | Cat     | Labor   | Yds       | \$/FSD   | FSD Yds   |
| 60.3061          | 886        | 2.500 McCan         | 1 Alden     | Storm Pro     | Storm Proofing        | Fill - Landing             | Weather Damage       | N/A          |          | 0 0        | 0          | 5       | 0       | 0         | \$1,050  | 611       |
| Private Perm.    | 886        | $0.000~\mathrm{ME}$ | 4/18/200    | 0             | ECP Not               | Excavate Soil              | High                 | -            | -        | 0          | 0          | 5       | 4       | 611       | \$3      | 367       |
|                  | Pot. Lan   | ding fill failure   | e on 90% s  | slopes , slop | es are well veged, wi | th oaks and conifers, cra  | cks and up to 3' ver | tical scarps | showing, | lots of LV | VD through | out fil | slowing | g prod. F | Rate. Tr | eat:      |
|                  |            | and store up sl     |             |               |                       |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.3061          | 1006       | 3.950 Pehl          | Pehl        | 03-075        | Franklins Tower       | Cut Bank Failure           | THP ECP              | N/A          |          | 0 0        |            | 0       | 0       | 0         | \$0      | 0         |
| Private Seasonal | 2752       | 0.000 Unk           | 6/15/200    |               | SPP                   | Excavate Soil              | Medium               | -            | -        | 0          | 0          | 0       | 0       | 0         | \$0      | 0         |
|                  |            | r failure just ea   |             |               |                       |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.3061          | 1009       | 4.200 Pehl          | Pehl        | 03-075        | Franklins Tower       | Cut Bank Failure           | Maintenance          | N/A          |          | 0 0        |            | 0       | 0       | 0         | \$0      | 0         |
| Private Seasonal | 2753       | 0.000 Unk           | 6/15/200    |               | ECP Not               | Excavate Soil              | Medium               | -            | -        | 0          | 0          | 0       | 0       | 0         | \$0      | 0         |
|                  |            |                     |             |               |                       | ke passable, surface with  |                      |              |          |            |            |         |         |           |          |           |
| 60.306109        | 1734       | 0.000 Chidla        |             |               | Maintenance           | Other                      | Maintenance          | N/A          |          | 0 0        |            | 0       | 0       | 0         | \$59     | 0         |
| Private Seasonal | 1734       | 0.100 TE            | 8/10/200    |               | ECP Not               | R/W Treatment              | Medium               | -            | -        | 0          | 0          | 0       | 2       | 0         | \$0      | 0         |
|                  |            | -                   |             |               | p and R-11(trace)     |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.306109        | 1883       | 0.000 Craig         | Craig       | Maintena      |                       | No Problem                 | Maintenance          | N/A          |          | 0 0        |            | 0       | 0       | 0         | \$0      | 0         |
| Not Connected    | 1883       | 0.160 Unk           | 2/12/2002   |               | ECP Not               | No Action                  | Medium               | -            | -        | 0          | 0          | 0       | 0       | 0         | \$0      | 0         |
| 60.306109        | 6539       | 0.050 Hascha        |             |               | Elm                   | Temp. Crossing             | THP App. Rd.         | III          |          | 0 0        | -          | 0       | 0       | 0         | \$0      | 0         |
| Private Seasonal | 6539       | 0.000 Unk           | 10/15/20    | 19            | ECP Not               | Temp. Crossing             | Medium               | -            | -        | 0          | 0          | 0       | 0       | 0         | \$0      | 0         |
|                  | Dip out a  |                     |             |               |                       |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.306109        | 1884       | 0.160 Hascha        |             |               | Elm                   | Temp. Crossing             | THP App. Rd.         | III          |          | 0 0        |            | 0       | 0       | 0         | \$0      | 0         |
| Private Seasonal | 1884       | 0.000 Unk           | 2/12/2002   | 2             | ECP Not               | Temp. Crossing             | Medium               | -            | -        | 0          | 0          | 0       | 0       | 0         | \$0      | 0         |
|                  |            | all material do     |             |               |                       |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.306113        | 1885       | 0.000 Craig         | Craig       |               | Maintenance           | No Problem                 | Maintenance          | N/A          |          | 0 0        |            | 0       | 0       | 0         | \$0      | 0         |
| Not Connected    | 1885       | 0.060 Unk           | 2/12/2002   | 2             | ECP Not               | No Action                  | Medium               | -            | -        | 0          | 0          | 0       | 0       | 0         | \$0      | 0         |
|                  | Small are  | ea of standing v    | water at en | d of road.    | No risk of failure.   |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.306116        | 1886       | 0.000 Craig         | Craig       | Maintena      | Maintenance           | No Problem                 | Maintenance          | N/A          |          | 0 0        | 0          | 0       | 0       | 0         | \$0      | 0         |
| Not Connected    | 1886       | 0.070 Unk           | 2/12/2002   | 2             | ECP Not               | No Action                  | Medium               | -            | -        | 0          | 0          | 0       | 0       | 0         | \$0      | 0         |
| 60.306125        | 1732       | 0.000 Chidla        | w Chidlaw   | Maintena      | Maintenance           | Other                      | Maintenance          | N/A          |          | 0 0        | 0          | 0       | 0       | 0         | \$180    | 0         |
| Private Seasonal | 1732       | 0.300 TE            | 8/10/200    | 1             | ECP Not               | R/W Treatment              | Medium               | -            | -        | 0          | 0          | 0       | 6       | 0         | \$0      | 0         |
|                  | Sprayed    | Pampas Grass        | in ROW w    | ith Roundu    | p and R-11(trace)     |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.306125        | 1887       | 0.000 Craig         | Craig       | Maintena      | Maintenance           | No Problem                 | Maintenance          | N/A          |          | 0 0        | 0          | 0       | 0       | 0         | \$0      | 0         |
| Private Seasonal | 1887       | 0.470 Unk           | 2/12/2002   | 2             | ECP Not               | No Action                  | Medium               | -            | -        | 0          | 0          | 0       | 0       | 0         | \$0      | 0         |
|                  | Noticed 1  | point fracture ~    | .3 miles o  | ut road.      |                       |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.306125        | 2345       | 0.000 Alden         | Alden       | 271 Pep       | Pep P0530407          | Surface Drainage           | Storm Proofing       | N/A          |          | 0 0        | 0          | 14      | 0       | 0         | \$2,273  | 235       |
| Storm Proofed    | 2345       | 0.480 R&S           | 2/3/2007    |               | ECP Not               | Tip and Dip                | Medium               | -            | -        | 0          | 0          | 8       | 0       | 0         | \$10     | 235       |
|                  | Tip and I  | Dip                 |             |               |                       |                            |                      |              |          |            |            |         |         |           |          |           |
| 60.306125        | 1248       | 0.200 McCan         | l Alden     | 271 Pep       | Pep P0530407          | Humboldt                   | Storm Proofing       | III          |          | 0 0        | 0          | 6       | 1       | 0         | \$2,440  | 15        |
| Private Perm.    | 1248       | 0.000 R&S           | 7/3/2008    |               | ECP Not               | Culv. Install              | High                 | -            | 24"      | 60         | 0          | 4       | 3       | 267       | \$271    | 9         |
|                  | class 3 fi | ll crossing flo     | w during s  | torm events   | TREAT excavate e      | ndhaul spoil to left, inst | all 24" cmp to grade | •            |          |            |            |         |         |           |          |           |

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| Road #           | GIS#       | Mile Plan       | Final       | THP#           | THP Name               | Problem              | Repair Type       | Cr. Class | [     | DRCs I | Rock | Left D  | Exca. | Truck | Gra. | Cost    | Total Yds |
|------------------|------------|-----------------|-------------|----------------|------------------------|----------------------|-------------------|-----------|-------|--------|------|---------|-------|-------|------|---------|-----------|
| Road Class       | ID#        | End Crew        | / Done      | Rd Pt          | ECP Number             | Solution             | Priority/Shedule  | Old Dia   | New D | ia Ln  |      | Right D | Cat   | Labor | Yds  | \$/FSD  | FSD Yds   |
| 60.306125        | 1247       | 0.300 McCan     | ıl Alden    | 271 Pep        | Pep P0530407           | Fill - Road          | Storm Proofing    | N/A       |       | 0      | 0    | 0       | 4     | 0     | 0    | \$900   | 341       |
| Private Perm.    | 1247       | 0.000 R&S       | 7/2/2008    | ;              | ECP Not                | Excavate Soil        | High              | _         | -     | 0      |      | 0       | 4     | 0     | 341  | \$9     | 102       |
| •                | excavate   | endhaul to lef  | t use 2 du  | mps            |                        |                      | -                 |           |       |        |      |         |       |       |      |         |           |
| 60.306125        | 1246       | 0.350 McCar     | ıl Alden    | 271 Pep        | Pep P0530407           | Fill - Road          | Storm Proofing    | N/A       |       | 0      | 0    | 0       | 4     | 0     | 0    | \$738   | 361       |
| Private Seasonal | 1246       | 0.000 R&S       | 7/2/2008    | ;              | ECP Not                | Excavate Soil        | Medium            | -         | -     | 0      |      | 0       | 3     | 0     | 361  | \$5     | 144       |
|                  | excavate   | start to end e  | ndhaul sp   | oil to right   |                        |                      |                   |           |       |        |      |         |       |       |      |         |           |
| 60.306125        | 1245       | 0.450 McCan     | ıl Alden    | 271 Pep        | Pep P0530407           | Humboldt             | Storm Proofing    | Spr.      |       | 0      | 0    | 0       | 2     | 0     | 0    | \$500   | 10        |
| Private Seasonal | 1245       | 0.000 R&S       | 7/2/2008    | ;              | ECP Not                | Dip Rolling          | Medium            | -         | -     | 0      |      | 0       | 3     | 0     | 20   | \$50    | 10        |
|                  | several lo | gs placed shal  | low acros   | s road to dra  | ain spring seepage     | TREAT remove logs in | stall rolling dip |           |       |        |      |         |       |       |      |         |           |
| 60.30612521      | 1733       | 0.000 Chidla    | w Chidlav   | v Maintena     | Maintenance            | Other                | Maintenance       | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$121   | 0         |
| Private Seasonal | 1733       | 0.200 TE        | 8/10/200    | 1              | ECP Not                | R/W Treatment        | Medium            | -         | -     | 0      |      | 0       | 0     | 4     | 0    | \$0     | 0         |
|                  | Sprayed 1  | Pampas Grass    | in ROW v    | vith Roundu    | p and R-11(trace)      |                      |                   |           |       |        |      |         |       |       |      |         |           |
| 60.30612521      | 2346       | 0.000 Alden     | Alden       | 271 Pep        | Pep P0530407           | Surface Drainage     | Storm Proofing    | N/A       |       | 0      | 0    | 0       | 14    | 0     | 0    | \$2,453 | 147       |
| Storm Proofed    | 2346       | 0.300 R&S       | 2/1/2007    | ,              | ECP Not                | Tip and Dip          | Medium            | -         | -     | 0      |      | 0       | 10    | 0     | 0    | \$17    | 147       |
|                  | Tip and I  | Dip             |             |                |                        |                      |                   |           |       |        |      |         |       |       |      |         |           |
| 60.30612521      | 1249       | 0.100 McCan     | l Pehl      | 271 Pep        | Pep P0530407           | Surface Drainage     | Storm Proofing    | N/A       |       | 0      | 0    | 0       | 0     | 2     | 0    | \$330   | 0         |
| Private Perm.    | 1249       | 0.000 R&S       | 8/12/200    | 7              | ECP Not                | Dip Rolling          | Medium            | -         | -     | 0      |      | 0       | 2     | 0     | 0    | \$0     | 0         |
| i                | install ro | cked rolling di | p top of th | ıru cut , inst | all rolling dip 75' al | oove spur road       |                   |           |       |        |      |         |       |       |      |         |           |
| 60.306128        | 1891       | 0.000 Craig     | Craig       | Maintena       | Maintenance            | Surface Drainage     | Assessment        | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 1891       | 0.200 Unk       | 2/13/200    | 2              | ECP Not                | Waterbar             | Medium            | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Landing 1  | needs a water   | bar.        |                |                        |                      |                   |           |       |        |      |         |       |       |      |         |           |
| 60.30613         | 1892       | 0.000 Craig     | Craig       | Maintena       | Maintenance            | No Problem           | Maintenance       | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 1892       | 1.000 Unk       | 2/13/200    | 2              | ECP Not                | No Action            | Medium            | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.306133        | 1730       | 0.000 Chidla    | w Chidlav   | v Maintena     | Maintenance            | Other                | Maintenance       | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$31    | 0         |
| Private Seasonal | 1730       | 0.070 TE        | 8/10/200    | 1              | ECP Not                | R/W Treatment        | Medium            | -         | -     | 0      |      | 0       | 0     | 1     | 0    | \$0     | 0         |
|                  | Sprayed 1  | Pampas Grass    | in ROW v    | vith Roundu    | p and R-11(trace)      |                      |                   |           |       |        |      |         |       |       |      |         |           |
| 60.306133        | 1893       | 0.000 Craig     | Craig       | Maintena       | Maintenance            | No Problem           | Maintenance       | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 1893       | 0.070 Unk       | 2/13/200    | 2              | ECP Not                | No Action            | Medium            | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.306133        | 3138       | 0.000 Alden     | Alden       | 271 Pep        | Pep P0530407           | No Problem           | Storm Proofing    | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 3138       | 0.072 R&S       | 2/6/2007    | ,              | ECP Not                | No Action            | Medium            | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
|                  | Ridge top  | road no chan    | ce of deliv | ery            |                        |                      |                   |           |       |        |      |         |       |       |      |         |           |
| 60.306135        | 1729       | 0.000 Chidla    | w Chidlav   | v Maintena     | Maintenance            | Other                | Maintenance       | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$121   | 0         |
| Private Seasonal | 1729       | 0.200 TE        | 8/10/200    | 1              | ECP Not                | R/W Treatment        | Medium            | -         | -     | 0      |      | 0       | 0     | 4     | 0    | \$0     | 0         |
|                  | Sprayed 1  | Pampas Grass    | in ROW v    | vith Roundu    | p and R-11(trace)      |                      |                   |           |       |        |      |         |       |       |      |         |           |
| 60.306135        | 1894       | 0.000 Craig     | Craig       | Maintena       | Maintenance            | No Problem           | Maintenance       | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 1894       | 0.200 Unk       | 2/13/200    | )2             | ECP Not                | No Action            | Medium            |           | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 60.306135        | 3137       | 0.000 Alden     | Alden       | 271 Pep        | Pep P0530407           | No Problem           | Storm Proofing    | N/A       |       | 0      | 0    | 0       | 0     | 0     | 0    | \$0     | 0         |
| Not Connected    | 3137       | 0.210 R&S       | 2/6/2007    | ,              | ECP Not                | No Action            | Medium            | -         | -     | 0      |      | 0       | 0     | 0     | 0    | \$0     | 0         |
| 1                | Ridge top  | road no chan    | ce of deliv | ery            |                        |                      |                   |           |       |        |      |         |       |       |      |         |           |

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| Road #             | GIS#      | Mile Plan                      | Final      | THP#            | THP Name             | Problem                   | Repair Type            | Cr. Class  | ; [        | DRCs F   | Rock   | Left D    | Exca.   | Truck    | Gra.    | Cost             | Total Yds |
|--------------------|-----------|--------------------------------|------------|-----------------|----------------------|---------------------------|------------------------|------------|------------|----------|--------|-----------|---------|----------|---------|------------------|-----------|
| Road Class         | ID#       | End Crew                       | Done       | Rd Pt           | ECP Number           | Solution                  | Priority/Shedule       | Old Dia    | New D      | ia Ln    |        | Right D   | Cat     | Labor    | Yds     | \$/FSD           | FSD Yds   |
| 60.306145          | 2347      | 0.000 Alden                    | Alden      | 271 Pep         | Pep P0530407         | Surface Drainage          | Storm Proofing         | N/A        |            | 0        | 0      | 0         | 4       | 0        | 0       | \$820            | 49        |
| Storm Proofed      | 2347      | 0.100 R&S                      | 2/1/2007   | -, <sub>F</sub> | ECP Not              | Tip and Dip               | Medium                 | -          | _          | 0        |        | 0         | 4       | 0        | 0       | \$17             | 49        |
|                    |           |                                |            | g it unsafe     | to finish the road w |                           |                        |            |            |          |        |           |         |          |         |                  |           |
| 60.306145          | 1164      | 0.070 McCan                    |            | ~               | Pep P0530407         | Fill - Road               | Storm Proofing         | N/A        |            | 0        | 0      | 0         | 2       | 2        | 0       | \$610            | 178       |
| Private Seasonal   | 1164      | 0.000 R&S                      | 9/9/2007   |                 | ECP Not              | Excavate Soil             | High                   | -          | -          | 0        |        | 0         | 2       | 0        | 178     | \$0              | 8,900     |
|                    | Potential | road fill failur               | e scarps a | nd cracks s     | howing 5' back fron  | OBF, 90% slopes belov     | v ,dist. To stream app | rox. 200'  | ΓREAT      | : excava | ate an | d endhaul | to left | to landi | ng 200' |                  |           |
| 60.306145          | 3131      | 0.100 Alden                    | Alden      | 271 Pep         | Pep P0530407         | No Problem                | Maintenance            | N/A        |            | 0        | 0      | 0         | 25      | 9        | 0       | \$4,985          | 0         |
| Storm Proofed      | 3131      | 0.000 R&S                      | 2/6/2007   |                 | ECP Not              | Rock Pit                  | Medium                 | -          | -          | 0        |        | 0         | 17      | 0        | 0       | \$0              | 0         |
|                    | Rock Pit  |                                |            |                 |                      |                           |                        |            |            |          |        |           |         |          |         |                  |           |
|                    |           | iled making it                 |            |                 |                      |                           |                        |            |            |          |        |           |         |          |         |                  |           |
| 60.306169          | 4370      | 0.000 Alden                    |            |                 | Pep P0530407         | Surface Drainage          | Storm Proofing         | N/A        |            | 0        | 0      | 0         | 4       | 0        | 0       | \$820            | 73        |
| Storm Proofed      | 4370      | 0.150 R&S                      | 4/23/200   | 7               | ECP Not              | Tip and Dip               | Medium                 | -          | -          | 0        |        | 0         | 4       | 0        | 0       | \$11             | 73        |
| 60.206160          | Tip and I | -                              |            | 251.7           | D D0520405           | G 1 70                    | G. D. C.               | ***        |            | ^        |        |           |         |          |         | <b>#2</b> 000    |           |
| 60.306169          | 1252      | 0.010 McCan                    |            | 271 Pep         | Pep P0530407         | CulvPlug                  | Storm Proofing         | III        |            | 0        | 0      | 0         | 11      | 6        | 0       | \$3,809          | 65        |
| Private Perm.      | 1252      |                                | 7/22/200   |                 | ECP Not              | Culv. Replace             | Medium                 | 18"        | 24"        | 40       |        | 0         | 11      | 4        | 210     | \$59             | 65        |
| 60.206160          |           | • *                            |            |                 |                      | hannel, install 24" cmp   | <u> </u>               |            | s to inlet |          |        |           |         |          |         | <b>A2</b> (10    |           |
| 60.306169          | 1005      | 0.020 McCan                    |            | •               | Pep P0530407         | Humboldt                  | Storm Proofing         | III        | 2.411      | 0        | 0      | 0         | 5       | 0        | 0       | \$2,610          | 60        |
| Private Perm.      | 1253      | 0.000 R&S                      | 7/24/200   |                 | ECP Not              | Culv. Install             | High                   | -          | 24"        | 60       |        | 0         | 6       | 7        | 200     | \$43             | 60        |
| (0.20(1(0          |           | osed 25' below                 |            |                 |                      | to bot install 24" cmp to | ·                      |            | stored sp  |          |        |           | 0       | 0        | 0       | Φ0               |           |
| 60.306169          | 1005      | 0.050 Pehl                     | Pehl       | Maintena        | Maintenance          | Surface Drainage          | THP Not                | III        |            | 0        | 0      | 0         | 0       | 0        | 0       | \$0              | 0         |
| Private Seasonal   |           | 0.000 RB                       | 10/6/200   |                 | ECP Not              | Dip Critical              | High                   | -          | -          | 0        |        | 0         | 0       | 0        | 0       | \$0              | 0         |
| 60.306169          |           |                                | •          |                 | ck. Not specified in |                           | Stama Duasfina         | TIT        |            | 0        | 0      | 0         | 5       | 0        | 0       | \$2,469          | 10        |
|                    | 1254      | 0.100 McCan                    |            | •               | Pep P0530407         | Culv. Bordon              | Storm Proofing         | III<br>20" | 30"        |          | U      | 0         | 6       |          | 75      | \$2,469<br>\$247 |           |
| Private Perm.      | 1254      | 0.000 R&S                      |            |                 | ECP Not              | Culv. Replace             | High                   | 30"        | 30"        | 40       |        | U         | 0       | 6        | 13      | \$247            | 10        |
| 60.306169          | 1824      | mp to grade cle<br>0.120 Alden |            | Maintena        | Maintenance          | No Problem                | Maintenance            | N/A        |            | 0        | 0      | 0         | 0       | 0        | 0       | \$0              | 0         |
| Private Seasonal   |           | 0.120 Alden<br>0.000 Unk       | 10/15/20   |                 | ECP Not              | Rock Pit                  | Low                    | IN/A       |            | 0        | U      | 0         | 0       | 0        | 0       | \$0<br>\$0       | 0         |
| Filvate Seasonal   | Good Pit  |                                | 10/13/20   | 01              | ECF NOI              | ROCK FIL                  | Low                    | -          | -          | U        |        | U         | U       | U        | U       | \$0              | U         |
| 60.306169          | 1255      | 0.120 McCan                    | 1 Alden    | 271 Pen         | Pep P0530407         | Fill - Road               | Storm Proofing         | N/A        |            | 0        | 0      | 0         | 3       | 0        | 0       | \$675            | 111       |
| Private Perm.      | 1255      | 0.000 R&S                      | 7/25/200   | _               | ECP Not              | Excavate Soil             | High                   | 1V/A       | _          | 0        | U      | 0         | 3       | 0        | 251     | \$8              | 83        |
| Tilvate Teim.      |           | store locally                  | 11231200   | O               | LCI Not              | Excuvate 5011             | Iligii                 |            |            | U        |        | v         | 3       | V        | 231     | ΨΟ               | 03        |
| 60.306169          | 1251      | 0.200 McCan                    | 1 Alden    | 271 Pep         | Pep P0530407         | Fill - Road               | Storm Proofing         | N/A        |            | 0        | 0      | 0         | 2       | 0        | 0       | \$450            | 208       |
| Abandoned Fixed    |           | 0.000 R&S                      | 8/1/2008   | 2711 ср         | ECP Not              | Excavate Soil             | High                   | -          | _          | 0        | Ü      | 0         | 2       | 0        | 208     | \$14             | 31        |
| 1 Ioundoned 1 Ixee |           | store locally                  | 0/1/2000   |                 | Let 110t             | Executate Soft            | mgn                    |            |            | v        |        | · ·       | -       | v        | 200     | ΨII              | 51        |
| 60.306171          | 1210      | 0.000 Pehl                     | Pehl       | Storm Pro       | Storm Proofing       | Surface Drainage          | Storm Proofing         | N/A        |            | 0        | 0      | 0         | 15      | 0        | 0       | \$2,775          | 474       |
| Upgraded           | 1210      | 0.970 ME                       | 12/29/20   |                 | ECP Not              | Dip Rolling               | Medium                 | -          | -          | 0        | -      | 0         | 14      | 0        | 0       | \$6              | 474       |
| 18                 |           |                                |            |                 | itslope and dip.     | .r                        |                        |            |            | -        |        | -         |         | -        | -       | 70               | .,.       |
| 60.306171          | 3130      | 0.000 Alden                    |            | 271 Pep         | Pep P0530407         | Surface Drainage          | Storm Proofing         | N/A        |            | 0        | 0      | 0         | 8       | 8        | 0       | \$2,555          | 147       |
| · - · · · -        |           |                                |            | •               | ECP Not              | Tip and Dip               | Medium                 |            |            | 0        | -      | 0         | 10      | 3        | 0       | \$17             | 147       |
| Storm Proofed      | 3130      | 0.300 R&S                      | 7/29/200   | ð               | ECP NOI              | TID and DID               | Medium                 | -          | -          | U        |        | U         | 10      | 3        | U       | D1/              |           |

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| Road #                        | GIS#         | Mile Plan                | Final       | THP#          | THP Name                                         | Problem                | Repair Type             | Cr. Class    | <br>S     | DRCs       | Rock    | Left D     | Exca     | . Truck   | Gra.     | Cost         | Total Yds |
|-------------------------------|--------------|--------------------------|-------------|---------------|--------------------------------------------------|------------------------|-------------------------|--------------|-----------|------------|---------|------------|----------|-----------|----------|--------------|-----------|
| Road Class                    | ID#          | End Crew                 | Done        | Rd Pt         | ECP Number                                       | Solution               | Priority/Shedule        | Old Dia      | New       | Dia Ln     |         | Right D    | Cat      | Labor     | Yds      | \$/FSD       | FSD Yds   |
| 60.306171                     | 5506         | 0.000 Chidlay            | w Chidlaw   | v Maintena    | Maintenance                                      | Other                  | Maintenance             | N/A          |           | 0          | 0       | 0          | 0        | 0         | 0        | \$0          | 0         |
| Private Seasonal              | 5506         | 0.980 Unk                | 8/25/200    |               | ECP Not                                          | Herbicides             | Medium                  | _            | _         | 0          |         | 0          | 0        | 0         | 0        | \$0          | 0         |
| 60.306171                     | 1004         | 0.160 Pehl               | Pehl        | Maintena      |                                                  | Culv.                  | THP Not                 | III          |           | 0          | 0       | 0          | 0        | 0         | 0        | \$736        | 0         |
| Private Seasonal              | 1004         | 0.000 Unk                | 10/6/200    |               | ECP Not                                          | Culv. Replace          | Low                     | 18"          | 24"       | 40         |         | 0          | 0        | 0         | 0        | \$0          | 0         |
|                               |              |                          |             |               | on outlet, and middle i                          | •                      |                         |              |           |            |         |            |          |           |          | **           |           |
| 60.306171                     | 1003         | 0.330 Pehl               | Pehl        | 96-238        | Cox's Opening                                    | Surface Drainage       | THP Clean Up            | III          |           | 0          | 0       | 0          | 0        | 3         | 0        | \$240        | 0         |
| Private Seasonal              | 1003         | 0.000 RB                 | 10/6/200    | 0             | ECP Not                                          | Dip Critical           | THP Low                 | -            | -         | 0          |         | 0          | 1        | 0         | 0        | \$0          | 0         |
| •                             | ГНР spe      | cifies that this         | crossing w  | rill be rocke | ed.                                              |                        |                         |              |           |            |         |            |          |           |          |              |           |
| 60.306171                     | 1003         | 0.330 Hascha             | k Borcich   | 17-104        | Elm                                              | Temp. Crossing         | THP App. Rd.            | III          |           | 0          | 0       | 0          | 0        | 0         | 0        | \$0          | 0         |
| Private Seasonal              | 6548         | 0.000 Unk                | 10/15/20    | 19            | ECP Not                                          | Temp. Crossing         | Medium                  | -            | -         | 0          |         | 0          | 0        | 0         | 0        | \$0          | 0         |
| ]                             | Install te   | mporary 6" pip           | e if water  | is present.   | Dip out at close.                                |                        |                         |              |           |            |         |            |          |           |          |              |           |
| 60.306171                     | 1002         | 0.400 Pehl               | Pehl        | 96-238        | Cox's Opening                                    | Culv.                  | THP Not                 | III          |           | 0          | 0       | 0          | 0        | 0         | 0        | \$736        | 0         |
| Private Seasonal              | 1002         | 0.000 Unk                | 10/13/20    | 00            | ECP Not                                          | Culv. Replace          | Low                     | 18"          | 24"       | 40         |         | 0          | 0        | 0         | 0        | \$0          | 0         |
| (                             | Culvert s    | et high in a thr         | ough fill t | o create a s  | easonal pond. Replace                            | with a pipe lower in   | fill to reduce blow ou  | t potential. | Install   | so the in  | let can | be partial | lly bloc | cked if a | waterho  | ole is neede | ed.       |
| 60.306171                     | 1002         | 0.400 Hascha             | k Borcich   | 17-104        | Elm                                              | Culv.                  | THP App. Rd.            | III          |           | 0          | 0       | 0          | 0        | 0         | 0        | \$736        | 100       |
| Private Seasonal              | 6577         | $0.000~\mathrm{Unk}$     | 10/15/20    | 19            | GWDR-1-17-104 SC                                 | Culv. Replace          | Medium                  | 18"          | 24"       | 40         |         | 0          | 0        | 0         | 0        | \$7          | 100       |
| (                             | Culvert s    | et high in a thr         | ough fill t | o create a s  | easonal pond. Replace<br>ed as an energy dissipa | pipe and put outside   | end lower in fill. Ins  | stall so the | inlet car | n be parti | ally bl | ocked if a | waterl   | nole is n | eeded. I | f culvert ca | ınnot     |
| 60.306171                     | 5666         | 0.460 Alden              |             | 17-104        | Elm                                              | Humboldt               | Assessment              | III          | e cuive   | rt.<br>0   | 20      | 0          | 2        | 4         | 0        | \$710        | 50        |
| Private Seasonal              | 5666         | 0.000 Unk                | 10/15/20    |               | ECP Not                                          | Armored Ford           | Medium                  | -            | _         | 0          | 20      | 0          | 1        | 0         | 0        | \$14         | 50        |
|                               |              |                          |             |               | his may have been don                            |                        | Wicdiam                 |              |           | Ü          |         | V          | •        | Ü         | U        | Ψ1¬          | 50        |
| 60.306171                     | 5667         | 0.680 Alden              | Kelly       | Maintena      | -                                                | Culv.                  | Assessment              | II           |           | 0          | 0       | 0          | 0        | 0         | 0        | \$1,105      | 0         |
| Storm Proofed                 | 5667         | 0.000 Unk                | 6/1/1995    |               | ECP Not                                          | No Action              | No Action               | 24"          | 24"       | 60         |         | 0          | 0        | 0         | 0        | \$0          | 0         |
|                               |              | rith 1/2 round o         |             |               | 201 1.00                                         | 11011011               | 11011011                |              |           | 00         |         | Ü          | Ü        | Ü         | Ů        | Ψ0           | Ü         |
| 60.306171                     | 5668         | 0.720 Alden              |             | 17-104        | Elm                                              | Culv.                  | Assessment              | III          |           | 0          | 10      | 0          | 8        | 4         | 0        | \$4,835      | 100       |
| Storm Proofed                 | 5668         | 0.000 Unk                | 10/15/20    |               | GWDR-1-17-104 SC                                 | Culv. Install          | Medium                  | 18"          | 36"       | 60         |         | 0          | 8        | 4         | 200      | \$48         | 100       |
| j                             | Replace      | 18" with 36" cı          | ulvert. Th  | e current cu  | ılvert is set high with e                        | rosion on outside edge | e of road. Rock armor   |              |           |            |         |            |          |           |          | ,            |           |
| 60.306171                     | 5669         | 0.750 Alden              |             | 17-104        | Elm                                              | Fill - Road            | THP App. Rd.            | N/A          |           | 0          | 0       | 0          | 4        | 0         | 0        | \$900        | 400       |
| Private Seasonal              | 5669         | 0.000 Unk                | 10/15/20    | 19            | GWDR-1-17-104 SC                                 | Excavate Soil          | Medium                  | _            | _         | 0          |         | 0          | 4        | 0         | 0        | \$9          | 100       |
| ]                             | Pull edge    | of road to red           | uce burde   | n. Widen ro   | ad into bank. Drain roa                          | ad away from this area | . If possible compact   | cracked ar   | ea        |            |         |            |          |           |          |              |           |
| 60.306171                     | 5670         | 0.770 Alden              | Borcich     | 17-104        | Elm                                              | CulvDitch Relief       | THP App. Rd.            | Spr.         |           | 0          | 0       | 0          | 0        | 0         | 0        | \$472        | 0         |
| Private Seasonal              | 5670         | 0.000 Unk                | 10/15/20    | 19            | GWDR-1-17-104 SC                                 | Ditch - Clean          | No Action               | 18"          | 18"       | 40         |         | 0          | 0        | 0         | 0        | \$0          | 0         |
|                               |              |                          |             |               | an't get a good flow fro                         | m spring towards #37   | then see if it will flo | w towards    | #36 furt  | ther up th | e road  | because i  | t seem   | s to be d | isappea  | ring into th | e road    |
| 60.306171                     | 5671         | 0.800 Alden              |             |               | Maintenance                                      | Culv.                  | Assessment              | III          |           | 0          | 0       | 0          | 0        | 0         | 0        | \$1,105      | 0         |
| Storm Proofed                 | 5671         | 0.000 Hiden<br>0.000 Unk | 6/1/1995    |               | ECP Not                                          | No Action              | No Action               | 24"          | 24"       | 60         | Ü       | 0          | 0        | 0         | 0        | \$0          | 0         |
|                               |              | s set well with          |             |               | LCI NOT                                          | No Action              | No Action               | 24           | 24        | 00         |         | Ü          | U        | Ü         | U        | Φ0           | U         |
| 4                             |              | 0.840 Hascha             |             |               | Elm                                              | Culv.                  | THP App. Rd.            | III          |           | 0          | 0       | 0          | 1        | 0         | 0        | \$125        | 0         |
|                               | 6578         |                          |             |               |                                                  |                        |                         |              |           |            | U       | U          | 1        | U         | U        |              | U         |
| 60.306171<br>Private Seasonal | 6578<br>6578 | 0.000 Unk                | 10/15/20    |               | ECP Not                                          | Excavate Soil          | Medium                  |              |           | 0          |         | 0          | 0        | 0         | 0        | \$0          | 0         |

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| Road #           | GIS#       | Mile Plan                          | Final        | THP#         | THP Name               | Problem                    | Repair Type           | Cr. Class   | , D        | RCs I   | Rock    | Left D      | Exca.    | Truck  | Gra.     | Cost        | Total Yds |
|------------------|------------|------------------------------------|--------------|--------------|------------------------|----------------------------|-----------------------|-------------|------------|---------|---------|-------------|----------|--------|----------|-------------|-----------|
| Road Class       | ID#        | End Crew                           | Done         | Rd Pt        | ECP Number             | Solution                   | Priority/Shedule      | Old Dia     | New Di     | a Ln    |         | Right D     | Cat      | Labor  | Yds      | \$/FSD      | FSD Yds   |
| 60.306171        | 6579       | 0.960 Hascha                       | k Borcich    | 17-104       | Elm                    | Culv.                      | THP App. Rd.          | II          |            | 0       | 0       | 0           | 0        | 0      | 0        | \$0         | 0         |
| Private Seasonal | 6579       | 0.000 Unk                          | 10/15/20     | )19          | ECP Not                | Culv. Maintenance          | Medium                | 36"         | -          | 0       |         | 0           | 0        | 0      | 0        | \$0         | 0         |
|                  | Install do | wnspout or pla                     | ce LWD       | or 18"+ rocl | below outlet           |                            |                       |             |            |         |         |             |          |        |          |             |           |
| 60.30617137      | 3129       | 0.250 Alden                        | Alden        | 271 Pep      | Pep P0530407           | Surface Drainage           | Storm Proofing        | N/A         |            | 0       | 0       | 0           | 13       | 0      | 0        | \$2,800     | 171       |
| Storm Proofed    | 3129       | 0.600 R&S                          | 1/30/200     | 07           | ECP Not                | Tip and Dip                | Medium                | -           | -          | 0       |         | 0           | 14       | 2      | 0        | \$16        | 171       |
|                  | Tip and I  | Dip                                |              |              |                        |                            |                       |             |            |         |         |             |          |        |          |             |           |
| 60.306173        | 1136       | 0.000 Alden                        | Alden        | Storm Pro    | Storm Proofing         | Surface Drainage           | Storm Proofing        | N/A         |            | 0       | 0       | 0           | 16       | 0      | 0        | \$2,735     | 416       |
| Storm Proofed    | 1136       | 0.850 ME                           | 11/7/200     | 00           | ECP Not                | Dip Rolling                | Medium                | -           | -          | 0       |         | 0           | 13       | 0      | 0        | \$7         | 416       |
| 60.306173        | 5700       | 0.000 Chidlay                      | v Chidlav    | v Maintena   | Maintenance            | Other                      | Maintenance           | N/A         |            | 0       | 0       | 0           | 0        | 0      | 0        | \$463       | 0         |
| Private Seasonal | 5700       | 0.750                              | 8/1/2011     |              | ECP Not                | Herbicides                 | Medium                | -           | -          | 0       |         | 0           | 0        | 13     | 0        | \$0         | 0         |
| 60.306173        | 6541       | 0.110 Haschal                      | k Borcich    | 17-104       | Elm                    | Temp. Crossing             | THP App. Rd.          | III         |            | 0       | 0       | 0           | 0        | 0      | 0        | \$0         | 0         |
| Private Seasonal | 6541       | 0.000 Unk                          | 10/15/20     | 19           | ECP Not                | Temp. Crossing             | Medium                | -           | -          | 0       |         | 0           | 0        | 0      | 0        | \$0         | 0         |
|                  | Maintain   | existing dip.                      |              |              |                        |                            |                       |             |            |         |         |             |          |        |          |             |           |
| 60.306173        | 998        | 0.340 Pehl                         | Pehl         | 96-404       | Lowery Openings        | Surface Drainage           | THP Clean Up          | N/A         |            | 0       | 0       | 0           | 0        | 0      | 0        | \$50        | 0         |
| Private Seasonal | 998        | 0.000 Unk                          | 10/13/20     | 000          | ECP Not                | Other                      | THP High              | -           | -          | 0       |         | 0           | 1        | 0      | 0        | \$0         | 0         |
|                  | Waterbar   | installed in the                   | middle o     | of a through | cut. Remove waterba    | r and smooth ruts.         |                       |             |            |         |         |             |          |        |          |             |           |
| 60.30617353      | 362        | 0.000 Kelly                        | Kelly        | 96-404       | Lowery Openings        | Other                      | THP New Con.          | N/A         |            | 0       | 0       | 0           | 53       | 18     | 0        | \$6,858     | 0         |
| Private Seasonal | 362        | 0.000 RB                           | 7/1/1999     | )            | ECP Not                | Other                      | Medium                | -           | -          | 0       |         | 0           | 4        | 18     | 0        | \$0         | 0         |
| 60.30617376      | 1138       | 0.000 Alden                        | Alden        | Storm Pro    | Storm Proofing         | Surface Drainage           | Storm Proofing        | N/A         |            | 0       | 0       | 0           | 16       | 0      | 0        | \$2,735     | 538       |
| Storm Proofed    | 1138       | 1.100 ME                           | 11/7/200     | 00           | ECP Not                | Dip Rolling                | Medium                | -           | -          | 0       |         | 0           | 13       | 0      | 0        | \$5         | 538       |
| 60.30617376      | 997        | 0.000 Pehl                         | Pehl         | 96-404       | Lowery Openings        | Fill - Road                | THP Clean Up          | N/A         |            | 0       | 0       | 0           | 12       | 20     | 0        | \$3,600     | 0         |
| Private Seasonal | 997        | 0.000 Unk                          | 12/5/200     | 00           | ECP Not                | Excavate Soil              | THP High              | -           | -          | 0       |         | 0           | 3        | 0      | 0        | \$0         | 0         |
|                  | Spur road  | l and landing fi                   | ill are fail | ing. Excava  | te and end haul or rec | onstruct road and landi    | ng properly with pro  | per keyway  | , soil moi | sture a | nd co   | mpaction.   |          |        |          |             |           |
| 60.30617376      | 5701       | 0.000 Chidlay                      | v Chidlav    | v Maintena   | Maintenance            | Other                      | Maintenance           | N/A         |            | 0       | 0       | 0           | 0        | 0      | 0        | \$637       | 0         |
| Private Seasonal | 5701       | 1.060                              | 8/1/2011     |              | ECP Not                | Herbicides                 | Medium                | -           | -          | 0       |         | 0           | 0        | 17     | 0        | \$0         | 0         |
| 60.31            | 25         | 0.000 Kelly                        | Kelly        | Storm Pro    | Storm Proofing         | Fill - Road                | Storm Proofing        | N/A         |            | 0       | 0       | 0           | 0        | 0      | 0        |             | 0         |
| Private Perm.    | 25         | 0.000                              | 9/1/1998     | 3            | ECP Not                | Excavate Soil              | High                  | 30"         | 30"        | 0       |         | 0           | 0        | 0      | 0        | \$0         | 0         |
| 60.31            | 2514       | 0.000 Alden                        | Alden        | Storm Pro    | Storm Proofing         | Surface Drainage           | Storm Proofing        | N/A         |            | 0       | 0       | 0           | 59       | 14     | 0        | \$14,785    | 557       |
| Upgraded         | 2514       | 1.140 Unk                          | 12/18/20     | 004          | ECP Not                | Tip and Dip                | Medium                | -           | -          | 0       |         | 0           | 59       | 5      | 0        | \$27        | 557       |
| 60.31            | 2818       | 0.480 Pehl                         | Pehl         | 08-086       | Belladonna             | Surface Drainage           | THP App. Rd.          | N/A         |            | 0       | 0       | 0           | 0        | 0      | 0        | \$0         | 0         |
| Private Seasonal | 2818       | $0.000~\mathrm{PW}$                | 10/19/20     | 012          | ECP Not                | Dip Rolling                | THP Low               | -           | -          | 0       |         | 0           | 0        | 0      | 0        | \$0         | 0         |
|                  | Existing   | ditch collects s                   | eeps abov    | e unstable a | rea. Cross drain ditcl | n with a rock dip at a loc | cation away from the  | unstable a  | rea.       |         |         |             |          |        |          |             |           |
| 60.31            | 163        | 0.500 Bennett                      | McCanl       | l Maintena   | Maintenance            | Cut Bank Failure           | Weather Damage        | N/A         |            | 0       | 0       | 0           | 3        | 6      | 0        | \$615       | 0         |
| Private Seasonal | 163        | 0.000 RB                           | 4/14/199     | 19           | ECP Not                | Excavate Soil              | High                  | -           | -          | 0       |         | 0           | 0        | 0      | 170      | \$0         | 0         |
|                  | used two   | trucks for three                   | e hours er   | ndhauled to  | old mill site          |                            |                       |             |            |         |         |             |          |        |          |             |           |
| 60.31            | 698        | 0.530 Pehl                         | Pehl         | 08-086       | Belladonna             | Culv.                      | THP App. Rd.          | II          |            | 0       | 40      | 0           | 24       | 12     | 2        | \$11,759    | 600       |
| Private Seasonal | 698        | $0.000~\mathrm{PW}$                | 10/19/20     | 012          | Waiver                 | Culv. Install              | THP Low               | 24"         | 36"        | 60      |         | 0           | 20       | 10     | 600      | \$20        | 600       |
|                  |            | es subsurface a<br>be necessary to |              |              |                        | l emerges from bottom      | of fill. Remove exist | ing pipe, e | xcavate to | grade   | , and i | nstall a 36 | ó" pipe. | Substa | ntial ex | cavation ab | ove       |

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| Road #           | GIS#       | Mile Plan           | Final       | THP#          | THP Name               | Problem                     | Repair Type           | Cr. Class     | s D         | RCs F    | Rock   | Left D    | Exca.    | Truck    | Gra.    | Cost      | Total Yds |
|------------------|------------|---------------------|-------------|---------------|------------------------|-----------------------------|-----------------------|---------------|-------------|----------|--------|-----------|----------|----------|---------|-----------|-----------|
| Road Class       | ID#        | End Crew            | Done        | Rd Pt         | ECP Number             | Solution                    | Priority/Shedule      | Old Dia       | New Di      | ia Ln    |        | Right D   | Cat      | Labor    | Yds     | \$/FSD    | FSD Yds   |
| 60.31            | 2819       | 0.620 Pehl          | Pehl        | 08-086        | Belladonna             | CulvDitch Relief            | THP App. Rd.          | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 2819       | 0.000 PW            | 10/19/20    | 12            | ECP Not                | Culv. Install               | THP Low               | 18"           | -           | 40       |        | 0         | 0        | 0        | 0       | \$0       | 0         |
|                  | Existing   | cross drain wit     | h shotgun   | ned outlet a  | and bent inlet. Leave  | pipe "as is" since new I    | nstallation at BRP15  | will collect  | t drainage  | <b>.</b> |        |           |          |          |         |           |           |
| 60.31            | 2820       | 0.630 Pehl          | Pehl        | 08-086        | Belladonna             | Surface Drainage            | Maintenance           | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$472     | 0         |
| Private Seasonal | 2820       | $0.000~\mathrm{PW}$ | 10/19/20    | 12            | ECP Not                | Culv. Install               | THP Low               | -             | 18"         | 40       |        | 0         | 0        | 0        | 0       | \$0       | 0         |
|                  | Install 18 | 3" culvert to dra   | in seep. ]  | Direct outle  | et at redwood clump l  | pelow.                      |                       |               |             |          |        |           |          |          |         |           |           |
| 60.31            | 2821       | 0.680 Pehl          | Pehl        | 08-086        | Belladonna             | Surface Drainage            | THP App. Rd.          | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 2821       | $0.000~\mathrm{PW}$ | 10/19/20    | 12            | ECP Not                | Culv. Install               | THP Low               | -             | 18"         | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
|                  | Install 18 | 3" culvert to cro   | ss drain i  | nside ditch.  | In the vicinity of th  | is culvert, remove any u    | ncompacted or settlin | ng fill mater | rial from t | he outsi | ide ed | ge of the | road, a  | nd prope | rly con | npact.    |           |
| 60.31            | 2822       | 0.700 Pehl          | Pehl        | 08-086        | Belladonna             | Surface Drainage            | THP App. Rd.          | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$472     | 0         |
| Private Seasonal | 2822       | $0.000~\mathrm{PW}$ | 10/19/20    | 12            | ECP Not                | Culv. Install               | THP Low               | -             | 18"         | 40       |        | 0         | 0        | 0        | 0       | \$0       | 0         |
|                  | Ditch col  | llects bank seep    | s above u   | nstabel are   | a. Replacel 18" culv   | ert that cross drains insid | le ditch.             |               |             |          |        |           |          |          |         |           |           |
| 60.31            | 697        | 0.710 Kelly         | Kelly       | Maintena      | Maintenance            | CulvDitch Relief            | Maintenance           | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 697        | 0.000 Unk           | 2/15/200    | 0             | ECP Not                | No Action                   | Medium                | 18"           | -           | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
| 60.31            | 2823       | 0.800 Pehl          | Pehl        | 08-086        | Belladonna             | Surface Drainage            | THP App. Rd.          | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$472     | 0         |
| Private Seasonal | 2823       | $0.000~\mathrm{PW}$ | 10/19/20    | 12            | ECP Not                | Culv. Install               | THP Low               | -             | 18"         | 40       |        | 0         | 0        | 0        | 0       | \$0       | 0         |
| :                | Install 18 | 3" culvert to cro   | ss drain i  | nside ditch.  |                        |                             |                       |               |             |          |        |           |          |          |         |           |           |
| 60.31            | 2824       | 0.840 Pehl          | Pehl        | 08-086        | Belladonna             | Culv.                       | THP App. Rd.          | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 2824       | $0.000~\mathrm{PW}$ | 10/19/20    | 12            | ECP Not                | No Action                   | THP Low               | 18"           | -           | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
|                  | Pipe drai  | ns towards an ι     | ınstable a  | rea below r   | oad. Make sure mos     | t of drainage is captured   | by new installation   | at BRP-20     | to reduce   | drainag  | ge tow | ards unst | able are | ea.      |         |           |           |
| 60.31            | 696        | 0.850 Kelly         | Kelly       | Maintena      | Maintenance            | CulvDitch Relief            | Maintenance           | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 696        | 0.000 Unk           | 2/15/200    | 0             | ECP Not                | No Action                   | Medium                | 18"           | -           | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
| 60.31            | 2825       | 0.860 Pehl          | Pehl        | 08-086        | Belladonna             | Surface Drainage            | THP App. Rd.          | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 2825       | $0.000~\mathrm{PW}$ | 10/19/20    | 12            | ECP Not                | Culv. Install               | THP Low               | -             | 18"         | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
|                  | Install 1  | 8" culvert to cr    | oss drain ( | ditch and re  | duce flow to BRP 19    | ).                          |                       |               |             |          |        |           |          |          |         |           |           |
| 60.31            | 546        | 0.940 Kelly         | Kelly       | Maintena      | Maintenance            | Cut Bank Failure            | Maintenance           | II            |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 694        | 0.000 Unk           | 7/1/2000    |               | ECP Not                | No Action                   | Medium                | 30"           | -           | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
| :                | 30" pipe   | removed 11/14       | /99. Larg   | ge slide on f | ill slope and cut banl | k. Temporarily abandon      | until more time and   | money. RE     | MAP FR      | OM NE    | W PH   | OTOS NI   | EXT O    | PPORT    | JNITY.  |           |           |
| 60.31            | 2826       | 1.100 Pehl          | Pehl        | Maintena      | Maintenance            | Surface Drainage            | THP App. Rd.          | N/A           |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 2826       | 0.000 Unk           | 7/4/2006    |               | ECP Not                | Tip and Dip                 | THP Low               | -             | -           | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
| :                | Remove     | outside berm a      | nd outslop  | e road.       |                        |                             |                       |               |             |          |        |           |          |          |         |           |           |
| 60.31            | 2827       | 1.120 Pehl          | Pehl        | 08-086        | Belladonna             | Culv.                       | THP App. Rd.          | II            |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 2827       | $0.000~\mathrm{PW}$ | 10/19/20    | 12            | ECP Not                | No Action                   | THP Low               | 36"           | -           | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
|                  | Existing   | 36" culvert. No     | o treatmer  | nt. Leave "   | as is".                |                             |                       |               |             |          |        |           |          |          |         |           |           |
| 60.3907          | 3977       | 0.620 Alden         | Alden       | 05-023        | Clover                 | Fill - Road                 | THP App. Rd.          | II            |             | 0        | 0      | 0         | 0        | 0        | 0       | \$0       | 0         |
| Private Seasonal | 3977       | 0.000 Unk           | 3/1/2007    |               | 1B105023MEN            | No Action                   | No Action             | -             | -           | 0        |        | 0         | 0        | 0        | 0       | \$0       | 0         |
| <u> </u>         | Road fill  | slumped, proba      | ably some   | delivery      |                        |                             |                       |               |             |          |        |           |          |          |         |           |           |
|                  |            |                     | Gra         | and Total     | All Sites 86           | 4                           |                       |               |             | 9        | 18     | 0 3,      | ,069 2   | ,419     | 27      | \$962,283 | 95,292    |
|                  |            |                     |             |               |                        |                             |                       |               |             |          |        |           |          | ,184 85  | ,570    | •         | 84,327    |
|                  |            |                     |             |               |                        |                             |                       |               |             |          |        |           |          |          |         |           | ,         |

Thursday, November 9, 2023 Completed Road Work Page 69 of 70

Road # GIS# Mile Plan Final THP# **THP Name** Problem Repair Type Cr Class DRCs Rock Left D Exca Truck Gra Cost Total Yds Road Class ID# Done Rd Pt **ECP Number** Priority/Shedule Old Dia New Dia Ln Cat Labor Yds \$/FSD End Crew Solution Right D FSD Yds

#### Road Work

- Road # This is unique road ID number for each road segment on the property.
- Road Class This is the type of road.
  - a. Upgraded Outsloped and dipped
  - b. Storm proofed Outsloped, dipped and culverts repaired.
  - Deactivation Outsloped, dipped, culverts pulled, and the road will be reused.
  - d. Abandoned Fixed Outsloped, dipped, culverts removed and the road will not be reused.
  - e. Abandoned Legacy It will do more damage than good to work on the road. The road will not be reused.
- GIS# Each existing site in the field (like a culvert) has a unique GIS number, usually the first visit ID#. It appears on the road maps. A new visit to an existing site will reference the GIS#. You can look up the history of visits to a particular site by calling up all the records with the same GIS#.
- ID# Each "new" road site visit has a unique ID number. It is generated when the record is entered into the database.
- Mile Each numbered road has mileage ticks from 0 to the end of the road. "Mile" is the distance out the road to the site.
- End If the site is along a length of road, like tipping and dipping, there is a start point (Mile) and "end" mileage.
- Insp. The name of the inspector that identified the site and made the prescription is listed here. The inspectors are trained to identify potential sediment sources and make prescriptions in accordance with the <u>Handbook for Forest and Ranch Roads</u>, Weaver and Hagans, 1992. Estimates of sediment production and delivery are made by the inspector.
- Crew These are the initials of contractor that did the work.
- Planned Date of site identification.
- Done Date site work was completed.
- THP# THP Number
- Rd Pt This is the working number (THP road point) created by the inspector in the field. It is often found on field flagging.
- THP Name The THP or program the work is associated with.
- ECP Name The Erosion Control Plan the site is associated with.

- Problem The type of problem.
- Solution The type of solution.
- Repair type Why was the work done.
- Priority This reflects the urgency of the problem. A high priority site is one that is
  likely to deliver a significant amount of sediment during the next 5 year storm event.
  Medium and low priority sites need upgrading, but are unlikely to deliver significant
  amounts of sediment in the next several years. High priority sites will be scheduled
  for completion prior to a low or medium priority site.
- Stream Class As per the Forest Practice Rules
- Old Dia The diameter of the old culvert.
- New Dia Ln The diameter and length of the new culvert if any.
- DRCs Number of ditch relief culverts needed for the site.
- Rock Yards of rock needed at the site rip rap, rock surface, etc.
- Right and Left Ditch Feet of road to the right and left of the site that is connected and needs treatment.
- Equipment Hours
  - a. Exca. Excavator
  - b. Cat Caterpillar tractor
  - c. Labor Hand labor
  - d. Truck Dump truck or water truck
  - e. Gra. Grader
- Yds This is the total yardage of soil that must be moved at the site.
- Cost All the equipment costs, other costs and culvert costs. This does not include administration or logistic costs.
- \$/FSD This is the total cost divided by the yards of soil prevented form delivery (FSD) to the watercourses.
- Total Yds This is the estimate of yardage that will be mobilized in a failure if the work is not done.
  - FSD (Future Sediment Delivery) This is the amount of soil that will be prevented from being delivered into the watercourses if the project is completed. It is the relative potential for sediment delivery (RPSD). This yardage only appears if the inspector has been trained to estimate this.

Thursday, November 9, 2023 Completed Road Work Page 70 of 70

## Copper Top THP

**NSO** Package

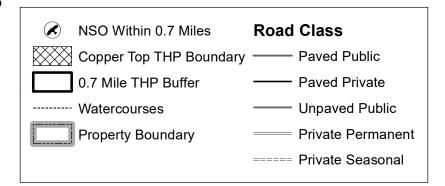
521 7/16

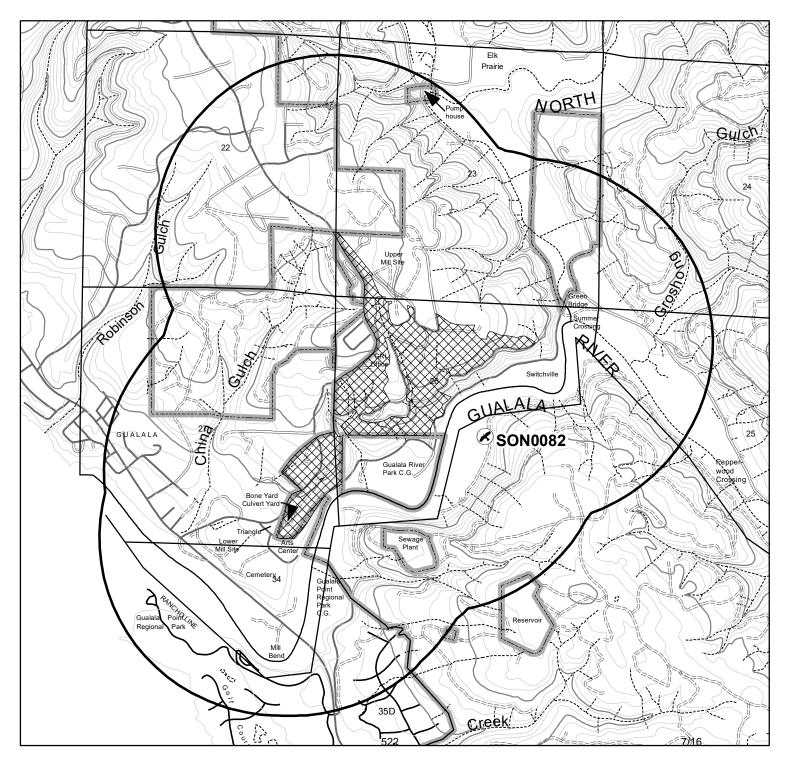
# COPPER TOP THP NSO WITHIN 0.7 MILES

November 6, 2023



1:24,000



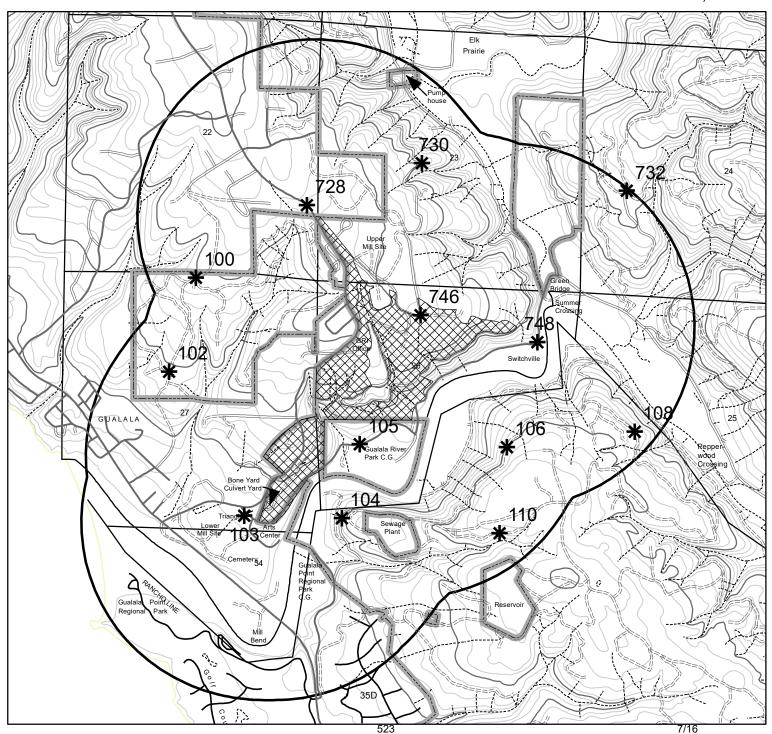


# COPPER TOP THP NSO SURVEY STATIONS



| * 1      | NSO Survey Stations     | Road | Class             |
|----------|-------------------------|------|-------------------|
|          | 0.7 Mile THP Buffer     |      | Paved Public      |
| <b>₩</b> | Copper Top THP Boundary |      | Unpaved Public    |
| F        | Property Boundary       |      | Paved Private     |
| \        | <i>N</i> atercourses    |      | Private Permanent |
|          |                         |      | Private Seasonal  |

November 6, 2023



## COPPER TOP THP PRE HARVEST NSO HABITAT WITHIN 0.7 MILES

1:24,000

November 6, 2023



Copper Top THP Boundary

0.7 Mile Buffer

Property Boundary

Habitat Type

2 = Nest/Roost

3 = Forage

4 = Unsuitable

### PRE HARVEST HABITAT

NEST/ROOST 1356 ACRES FORAGE 463 ACRES UNSUITABLE 1008 ACRES



# COPPER TOP THP PRE AND POST HARVEST NSO HABITAT WITHIN 0.7 MILES

1:24,000

November 6, 2023

| Coppe | er Top THP Boundary | Habitat Type |
|-------|---------------------|--------------|
| 0.7 M | ile THP Buffer      | Nest/Roost   |
| Prope | rty Boundary        | Forage       |
|       |                     | Unsuitable   |

### PRE AND POST HARVEST HABITAT

NEST/ROOST 1356 ACRES FORAGE 463 ACRES UNSUITABLE 1008 ACRES



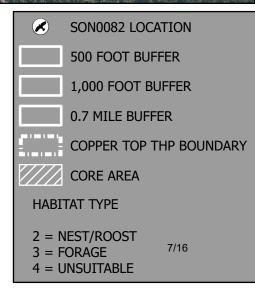


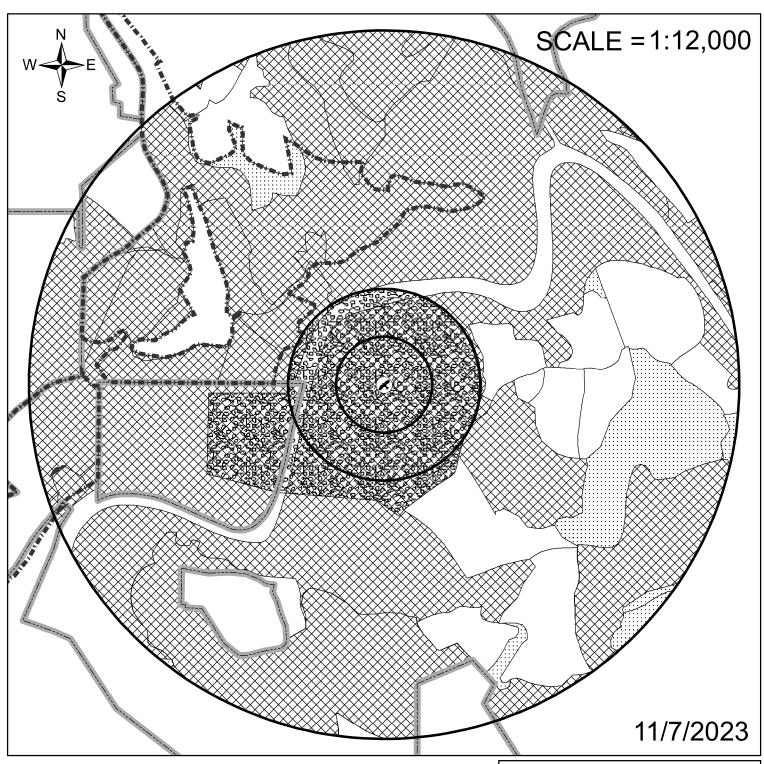
## COPPER TOP THP SON0082 PRE-HARVEST HABITAT MAP

### **HABITAT TOTALS**

| NEST/ROOST | 703 ac. |
|------------|---------|
| FORAGE     | 52 ac.  |
| UNSUITABLE | 230 ac. |

| TOTAL ACRES | 985 ac. |
|-------------|---------|
| CORE AREA=  | 100 ac. |





## COPPER TOP THP SON0082 PRE AND POST HARVEST HABITAT MAP

#### HABITAT TOTALS

NEST/ROOST 703 ac. FORAGE 52 ac. UNSUITABLE 230 ac.

TOTAL ACRES 985 ac. CORE AREA = 100 ac.

| × | SON0082 LOCATION        |
|---|-------------------------|
|   | 500 FOOT BUFFER         |
|   | 1,000 FOOT BUFFER       |
|   | 0.7 MILE BUFFER         |
|   | COPPER TOP THP BOUNDARY |
|   | PROPERTY BOUNDARY       |
|   | SON0082 CORE AREA       |
|   | NEST/ROOST              |
|   | FORAGE                  |
|   | UNSUITABLE 7/16         |

Active Stations

| Si   | tation Date        | Surveyor | Wind       | Weather       | Start   | End   | Behavior   | Sex        | Dist. | Azmu |
|------|--------------------|----------|------------|---------------|---------|-------|------------|------------|-------|------|
| Year | 2023               |          |            |               |         |       |            |            |       |      |
| 1001 | 100 3/3/202        | 23 Town  | 1-3 mph    | Partly Clou   | 23:35   | 23:45 | No Contact | No Contact | 0     | 0    |
|      | 1003/16/20         | 23 Town  | <1 mph     | Partly Clou   | 1:29    | 1:39  | No Contact | No Contact | 0     | 0    |
|      | 100 4/6/202        | 23 Town  | 1-3 mph    | Overcast      | 19:59   | 20:09 | No Contact | No Contact | 0     | 0    |
|      |                    |          | Frogs      |               |         |       |            |            |       |      |
|      | 1004/15/20         | 23 Town  | 1-3 mph    | Clear         | 0:47    | 0:57  | No Contact | No Contact | 0     | 0    |
|      | 100 5/9/202        | 23 Town  | 1-3 mph    | Clear         | 0:45    | 0:55  | No Contact | No Contact | 0     | 0    |
|      | 100 5/16/20        | 23 Town  | 1-3 mph    | Clear         | 0:57    | 1:07  | No Contact | No Contact | 0     | 0    |
| Year | 2024               |          |            |               |         |       |            |            |       |      |
|      | 1003/12/20         | 24 Town  | 8-12 mph   | Clear         | 0:00    | 0:10  | No Contact | No Contact | 0     | 0    |
|      | 100 4/5/202        | 24 Town  | 4-7 mph    | Partly Clou   | 0:59    | 1:09  | No Contact | No Contact | 0     | 0    |
|      | 1004/15/20         | 24 Town  | <1 mph     | Clear         | 0:05    | 0:15  | No Contact | No Contact | 0     | 0    |
|      | 1004/22/20         | 24 Town  | 4-7 mph    | Clear         | 23:49   | 0:00  | No Contact | No Contact | 0     | 0    |
|      | 100 5/10/20        | 24 Town  | <1 mph     | Clear         | 0:35    | 0:45  | No Contact | No Contact | 0     | 0    |
|      |                    |          | Barred owl | in China Gulo | h       |       |            |            |       |      |
|      | 100 5/17/20        | 24 Town  | 1-3 mph    | Fog           | 0:53    | 1:03  | No Contact | No Contact | 0     | 0    |
| Year | 2023               |          |            |               |         |       |            |            |       |      |
| reur | 102 3/3/202        | 23 Town  | 1-3 mph    | Partly Clou   | 23:20   | 23:30 | No Contact | No Contact | 0     | 0    |
|      | 102 3/16/20        |          | <1 mph     | Partly Clou   | 1:10    | 1:20  | No Contact | No Contact | 0     |      |
|      | 102 4/6/202        |          | 1-3 mph    | Overcast      | 19:30   | 19:52 | No Contact | No Contact | 0     |      |
|      | 102 4/0/202        |          | 1-3 mph    | Clear         | 0:35    | 0:45  | No Contact | No Contact | 0     |      |
|      | 102 4/10/202       |          | 1-3 mph    | Clear         | 1:00    | 1:05  | No Contact | No Contact | 0     |      |
|      | 102 5/16/20        |          | 1-3 mph    | Clear         | 1:30    | 1:40  | No Contact | No Contact | 0     |      |
| Vaan |                    | 20 TOWN  | 1-0 mpn    | Olcai         | 1.50    | 1.40  | NO Contact | NO Contact | O     | U    |
| Year | 2024<br>1023/12/20 | 24 Town  | 8-12 mph   | Clear         | 0:14    | 0:24  | No Contact | No Contact | 0     | 0    |
|      | 102 3/12/20        |          | 4-7 mph    | Partly Clou   | 0:45    | 0:55  | No Contact | No Contact | 0     |      |
|      | 102 4/3/202        |          | <1 mph     | Clear         | 23:50   | 0:00  | No Contact | No Contact | 0     |      |
|      | 1024/13/20         |          | 4-7 mph    | Clear         | 23:35   | 23:45 | No Contact | No Contact | 0     |      |
|      | 102 4/22/20        |          | <1 mph     | Clear         | 0:15    | 0:25  | No Contact | No Contact | 0     |      |
|      | 102 5/17/20        |          | 1-3 mph    | Fog           | 1:07    | 1:17  | No Contact | No Contact | 0     |      |
|      |                    | 24 TOWIT | 1-5 IIIpii | 1 09          | 1.07    | 1.17  | NO CONTACT | NO CONTACT | - 0   |      |
| Year | 2023               |          |            | D // O/       | 0.1.1.1 |       |            |            |       |      |
|      | 103 3/5/202        |          | <1 mph     | Partly Clou   | 21:44   | 21:54 | No Contact | No Contact | 0     |      |
|      | 103 4/8/202        |          | <1 mph     | Partly Clou   | 23:15   | 23:25 | No Contact | No Contact | 0     |      |
|      | 1034/15/20         |          | 1-3 mph    | Clear         | 23:57   | 0:07  | No Contact | No Contact | 0     |      |
|      | 103 5/7/202        |          | 1-3 mph    | Overcast      | 0:10    | 0:20  | No Contact | No Contact | 0     |      |
|      | 1035/14/20         |          | 1-3 mph    | Partly Clou   | 1:00    | 1:10  | No Contact | No Contact | 0     |      |
|      | 103 5/21/20        | 23 Town  | 1-3 mph    | Partly Clou   | 1:00    | 1:10  | No Contact | No Contact | 0     | 0    |
| Year | 2024               |          |            |               |         |       |            |            |       |      |
|      | 1033/13/20         |          | 4-7 mph    | Clear         | 23:44   | 23:54 | No Contact | No Contact | 0     |      |
|      | 103 4/5/202        |          | 4-7 mph    | Partly Clou   | 0:15    | 0:25  | No Contact | No Contact | 0     |      |
|      | 1034/15/20         |          | <1 mph     | Clear         | 23:28   | 23:38 | No Contact | No Contact | 0     |      |
|      | 1034/22/20         |          | 4-7 mph    | Clear         | 21:24   | 21:34 | No Contact | No Contact | 0     |      |
|      | 103 5/9/202        |          | <1 mph     | Clear         | 23:44   | 23:54 | No Contact | No Contact | 0     |      |
|      | 103 5/16/20        | 24 Town  | 4-7 mph    | Fog           | 0:29    | 0:39  | No Contact | No Contact | 0     | 0    |
| Year | 2023               |          |            |               |         |       |            |            |       |      |
|      | 104 3/8/202        | 23 Town  | <1 mph     | Partly Clou   | 22:16   | 22:26 | No Contact | No Contact | 0     | 0    |
|      | 104 4/7/202        | 23 Town  | <1 mph     | Overcast      | 23:40   | 23:50 | No Contact | No Contact | 0     | 0    |
|      | 1044/14/20         | 23 Town  | 1-3 mph    | Partly Clou   | 1:00    | 1:10  | No Contact | No Contact | 0     | 0    |
|      | 1044/21/20         | 23 Town  | 1-3 mph    | Partly Clou   | 20:00   | 20:10 | No Contact | No Contact | 0     | 0    |
|      | 104 5/9/202        | 23 Town  | <1 mph     | Clear         | 1:25    | 1:35  | No Contact | No Contact | 0     | 0    |
|      | 1045/16/20         | 23 Town  | 1-3 mph    | Clear         | 2:15    | 2:25  | No Contact | No Contact | 0     | 0    |

| St   | tation       | Date     | Surveyor | Wind                   | Weather        | Start | End   | Behavior       | Sex        | Dist. | Azmu |
|------|--------------|----------|----------|------------------------|----------------|-------|-------|----------------|------------|-------|------|
| Year | 2024         |          | _        |                        |                |       |       |                |            |       |      |
|      |              | 3/7/2024 |          | <1 mph                 | Clear          | 22:20 | 22:30 | No Contact     | No Contact | 0     | 0    |
|      |              | /15/2024 |          | 4-7 mph                | Clear          | 23:56 | 0:06  | No Contact     | No Contact | 0     | 0    |
|      |              | /10/2024 |          | 4-7 mph                | Clear          | 1:04  | 1:14  | No Contact     | No Contact | 0     | 0    |
|      |              | /19/2024 |          | 4-7 mph                | Partly Clou    | 22:46 | 22:56 | No Contact     | No Contact | 0     | 0    |
|      | 104 :        | 5/9/2024 | Town     | <1 mph                 | Clear          | 0:15  | 0:25  | No Contact     | No Contact | 0     | 0    |
| -    | 1045         | /16/2024 | 4 Town   | 4-7 mph                | Fog            | 1:10  | 1:20  | No Contact     | No Contact | 0     | 0    |
| Year | 2023         |          |          |                        |                |       |       |                |            |       |      |
|      |              | 3/5/2023 |          | <1 mph                 | Partly Clou    | 21:28 | 21:38 | No Contact     | No Contact | 0     | 0    |
|      |              | 1/8/2023 |          | <1 mph                 | Partly Clou    | 22:59 | 23:09 | No Contact     | No Contact | 0     | 0    |
|      | 1054         | /15/2023 | 3 Town   | 1-3 mph                | Clear          | 23:45 | 23:54 | No Contact     | No Contact | 0     | 0    |
|      |              |          | _        |                        | flew in to sur | -     |       |                |            |       | _    |
|      |              | 5/7/2023 |          | 1-3 mph                | Overcast       | 0:27  | 0:37  | No Contact     | No Contact | 0     | 0    |
|      |              | /14/2023 |          | 1-3 mph                | Partly Clou    | 1:16  | 1:26  | No Contact     | No Contact | 0     | 0    |
|      | 1055         | /21/2023 | 3 Town   | 1-3 mph<br>Barred Owl  | Partly Clou    | 1:14  | 1:24  | No Contact     | No Contact | 0     | 0    |
| Year | 2024         |          |          |                        |                |       |       |                |            |       |      |
|      |              | /13/2024 |          | 4-7 mph                | Clear          | 23:30 | 23:40 | No Contact     | No Contact | 0     | 0    |
|      | 105 4        | 1/5/2024 | Town     | 4-7 mph<br>Barred owl. | Partly Clou    | 23:57 | 0:07  | No Contact     | No Contact | 0     | 0    |
|      | 1054         | /15/2024 | 4 Town   | <1 mph                 | Clear          | 23:14 | 23:24 | No Contact     | No Contact | 0     | 0    |
|      | 1054         | /22/2024 | 4 Town   | 4-7 mph                | Clear          | 21:37 | 21:47 | No Contact     | No Contact | 0     | 0    |
|      | 105 \$       | 5/9/2024 | Town     | <1 mph                 | Clear          | 23:28 | 23:38 | No Contact     | No Contact | 0     | 0    |
|      | 1055         | /16/2024 | 4 Town   | 4-7 mph                | Fog            | 0:14  | 0:24  | No Contact     | No Contact | 0     | 0    |
| Year | 2023         |          |          |                        |                |       |       |                |            |       |      |
|      |              | 3/8/2023 | 3 Town   | <1 mph                 | Partly Clou    | 21:46 | 21:56 | No Contact     | No Contact | 0     | 0    |
|      | 106 4        | 1/7/2023 | 3 Town   | <1 mph<br>Barred Owl   | Overcast       | 0:15  | 0:30  | No Contact     | No Contact | 0     | 0    |
|      | 1064         | /14/2023 | 3 Town   | 1-3 mph                | Partly Clou    | 0:23  | 0:33  | No Contact     | No Contact | 0     | 0    |
|      | 400.4        | 104 1000 | O.T      | Silent Barre           |                | 00.05 | 00.05 | N. O. o. to at | No Control | •     | 0    |
|      | 1064         | /21/2023 | 3 Iown   | 1-3 mph<br>Barred Owl  | Partly Clou    | 20:25 | 20:35 | No Contact     | No Contact | 0     | 0    |
|      | 106          | 5/9/2023 | 3 Town   | <1 mph                 | Clear          | 0:49  | 1:00  | No Contact     | No Contact | 0     | 0    |
| Year | 1065<br>2024 | /16/2023 | 3 Town   | 1-3 mph                | Clear          | 1:58  | 2:08  | No Contact     | No Contact | 0     | 0    |
| 2000 |              | 3/7/2024 | Town     | <1 mph                 | Clear          | 21:57 | 22:07 | No Contact     | No Contact | 0     | 0    |
|      | 1063         | /15/2024 | 4 Town   | 4-7 mph                | Clear          | 23:27 | 23:37 | No Contact     | No Contact | 0     | 0    |
|      | 1064         | /10/2024 | 4 Town   | 4-7 mph                | Clear          | 0:00  | 0:10  | No Contact     | No Contact | 0     | 0    |
|      | 1064         | /19/2024 | 4 Town   | 4-7 mph                | Partly Clou    | 23:30 | 23:40 | No Contact     | No Contact | 0     | 0    |
|      |              |          |          | Barred owl.            |                |       |       |                |            |       |      |
|      | 106          | 5/9/2024 | Town     | <1 mph                 | Clear          | 0:55  | 1:05  | No Contact     | No Contact | 0     | 0    |
|      |              |          |          | Barred owl             | at station.    |       |       |                |            |       |      |
|      | 1065         | /16/2024 | 4 Town   | 4-7 mph                | Fog            | 1:35  | 1:45  | No Contact     | No Contact | 0     | 0    |
| Year | 2023         |          |          |                        |                |       |       |                |            |       |      |
|      |              | 3/8/2023 | 3 Town   | <1 mph                 | Partly Clou    | 21:30 | 21:40 | No Contact     | No Contact | 0     | 0    |
|      | 108 4        | 1/7/2023 | 3 Town   | <1 mph                 | Overcast       | 0:30  | 0:40  | No Contact     | No Contact | 0     | 0    |
|      | 1084         | /14/2023 | 3 Town   | 1-3 mph                | Partly Clou    | 0:10  | 0:20  | No Contact     | No Contact | 0     | 0    |
|      | 1084         | /21/2023 | 3 Town   |                        | Partly Clou    | 20:38 | 20:48 | No Contact     | No Contact | 0     | 0    |
|      |              | 5/9/2023 |          | <1 mph                 | Clear          | 0:34  | 0:44  | No Contact     | No Contact | 0     | 0    |
|      | 1085         | /16/2023 | 3 Town   | 1-3 mph                | Clear          | 1:45  | 1:55  | No Contact     | No Contact | 0     | 0    |
|      |              |          |          | Barred Owl             | by River       |       |       |                |            |       |      |
| Year | 2024         |          |          |                        |                |       |       |                |            |       |      |
|      | 108          | 3/7/2024 | Town     | <1 mph                 | Clear          | 21:44 | 21:54 | No Contact     | No Contact | 0     | 0    |
|      | 1083         | /15/2024 | 4 Town   | 4-7 mph                | Clear          | 23:15 | 23:25 | No Contact     | No Contact | 0     | 0    |
|      | 1084         | /10/2024 | 4 Town   | 4-7 mph                | Clear          | 0:17  | 0:27  | No Contact     | No Contact | 0     | 0    |
|      |              |          |          | barred owl             |                |       |       |                |            |       |      |

| St   | ation | Date        | Surveyor   | Wind                   | Weather                | Start      | End       | Behavior      | Sex         | Dist. | Azmu |
|------|-------|-------------|------------|------------------------|------------------------|------------|-----------|---------------|-------------|-------|------|
|      | 1084  | /19/202     | 4 Town     | 4-7 mph                | Partly Clou            | 23:44      | 23:54     | No Contact    | No Contact  | 0     | 0    |
|      |       |             |            | Barred owl             | followed from          | station 1  | 06.       |               |             |       |      |
|      | 108   | 5/9/2024    | Town       | <1 mph                 | Clear                  | 1:07       | 1:17      | No Contact    | No Contact  | 0     | 0    |
|      |       |             |            |                        | rred owl at sta        |            |           |               |             |       |      |
|      | 1085  | 5/16/2024   | 4 Town     | 4-7 mph                | ŭ                      | 1:49       | 1:59      | No Contact    | No Contact  | 0     | 0    |
|      |       |             |            | Barred owl             | by River. Very         | y vocal ar | nd moving | 9             |             |       |      |
| Year | 2023  |             |            |                        |                        |            |           |               |             |       |      |
|      |       | 3/8/2023    |            | <1 mph                 | Partly Clou            | 22:00      | 22:10     | No Contact    | No Contact  | 0     |      |
|      |       | 4/7/2023    |            | <1 mph                 | Overcast               | 23:00      | 23:10     | No Contact    | No Contact  | 0     | 0    |
|      |       | 1/14/202    |            | 1-3 mph                | Partly Clou            | 0:39       | 0:49      | No Contact    | No Contact  | 0     |      |
|      |       | 1/21/202    |            | 1-3 mph                | Partly Clou            | 21:50      | 22:00     | No Contact    | No Contact  | 0     | 0    |
|      |       | 5/9/2023    |            | <1 mph                 | Clear                  | 1:09       | 1:19      | No Contact    | No Contact  | 0     | 0    |
|      | 1100  | 5/16/202    | 3 IOWII    | 1-3 mph<br>Barred Owl  | Clear                  | 20:20      | 20:30     | No Contact    | No Contact  | U     | U    |
| Year | 2024  |             |            | barred Owl             | new m                  |            |           |               |             |       |      |
| rear |       | 3/7/2024    | Town       | <1 mph                 | Clear                  | 21:16      | 21:26     | No Contact    | No Contact  | 0     | 0    |
|      |       | 3/15/202    |            | 4-7 mph                | Clear                  | 22:47      | 22:57     | No Contact    | No Contact  | 0     | 0    |
|      |       | , 10,202    |            | skunk                  | Oloui                  |            | 22.01     | no comaci     | rio Comaci  | Ü     | Ū    |
|      | 1104  | 1/10/202    | 4 Town     | 4-7 mph                | Clear                  | 23:30      | 23:40     | No Contact    | No Contact  | 0     | 0    |
|      | 1104  | 1/19/202    | 4 Town     | 4-7 mph                | Partly Clou            | 23:04      | 23:14     | No Contact    | No Contact  | 0     | 0    |
|      | 110   | 5/9/2024    | Town       | <1 mph                 | Clear                  | 0:36       | 0:46      | No Contact    | No Contact  | 0     | 0    |
|      | 1105  | 5/16/2024   | 4 Town     | 4-7 mph                | Fog                    | 2:10       | 2:20      | No Contact    | No Contact  | 0     | 0    |
| Year | 2023  |             |            |                        |                        |            |           |               |             |       |      |
| reur |       | 3/3/2023    | Town       | 1-3 mph                | Partly Clou            | 21:40      | 21:50     | No Contact    | No Contact  | 0     | 0    |
|      |       | 3/16/202    |            | <1 mph                 | Partly Clou            | 23:10      | 23:20     | No Contact    | No Contact  | 0     | 0    |
|      | 728   | 4/8/2023    | Town       | <1 mph                 | Partly Clou            | 22:40      | 22:50     | No Contact    | No Contact  | 0     | 0    |
|      | 7284  | /15/202     | 3 Town     | 1-3 mph                | Clear                  | 1:09       | 1:19      | No Contact    | No Contact  | 0     | 0    |
|      | 728   | 5/9/2023    | Town       | 1-3 mph                | Clear                  | 0:05       | 0:15      | No Contact    | No Contact  | 0     | 0    |
|      | 7285  | /16/202     | 3 Town     | 1-3 mph                | Clear                  | 0:30       | 0:40      | No Contact    | No Contact  | 0     | 0    |
| Year | 2024  |             |            |                        |                        |            |           |               |             |       |      |
|      | 7283  | 3/12/202    | 4 Town     | 8-12 mph               | Clear                  | 21:41      | 21:51     | No Contact    | No Contact  | 0     | 0    |
|      | 728   | 4/8/2024    | Town       | 1-3 mph                | Clear                  | 0:09       | 0:19      | No Contact    | No Contact  | 0     | 0    |
|      | 728   | 4/8/2024    | Town       | 1-3 mph                | Clear                  | 1:09       | 1:19      | No Contact    | No Contact  | 0     | 0    |
|      | 7284  | 1/15/202    | 4 Town     | <1 mph                 | Clear                  | 1:16       | 1:26      | No Contact    | No Contact  | 0     | 0    |
|      |       | 1/22/2024   |            | 4-7 mph                | Clear                  | 21:09      | 21:19     | No Contact    | No Contact  | 0     | 0    |
|      |       | 5/10/2024   |            | <1 mph                 | Clear                  | 22:29      | 22:39     | No Contact    | No Contact  | 0     | 0    |
|      | 7285  | 5/17/2024   | 4 Town     | 1-3 mph                | Fog                    | 0:20       | 0:30      | No Contact    | No Contact  | 0     | 0    |
| Year | 2023  |             |            |                        |                        |            |           |               |             |       |      |
|      | 730   | 3/3/2023    | Town       | 1-3 mph                | Partly Clou            | 20:57      | 21:07     | No Contact    | No Contact  | 0     | 0    |
|      | 7303  | 3/16/202    | 3 Town     | <1 mph                 | Partly Clou            | 22:18      | 22:28     | No Contact    | No Contact  | 0     | 0    |
|      |       | 4/8/2023    |            | <1 mph                 | Partly Clou            | 21:59      | 22:09     | No Contact    | No Contact  | 0     | 0    |
|      |       | 1/14/202    |            | <1 mph                 | Clear                  | 23:00      | 23:10     | No Contact    | No Contact  | 0     | 0    |
|      |       | /21/202     |            | <1 mph                 | Clear                  | 23:30      | 23:40     | No Contact    | No Contact  | 0     | 0    |
|      |       | 5/9/2023    |            | 1-3 mph                | Clear                  | 23:30      | 23:40     | No Contact    | No Contact  | 0     | 0    |
|      |       | 5/16/202    | 3 Town     | 1-3 mph                | Clear                  | 23:35      | 23:45     | No Contact    | No Contact  | 0     | 0    |
| Year | 2024  |             | 4 T        | 0.40                   | 01                     | 04.04      | 04.44     | N. O. ata at  | No Occident | 0     | 0    |
|      | 7303  | 3/12/202    | 4 Iown     | 8-12 mph               |                        | 21:04      | 21:14     | No Contact    | No Contact  | 0     | 0    |
|      | 720   | 4/8/2024    | Tours      | pair Barred<br>1-3 mph | Owls by river          | 23:50      | 0.00      | No Contact    | No Contact  | 0     | 0    |
|      |       |             |            |                        |                        |            | 0:00      |               |             | 0     | 0    |
|      | 1304  | 1/16/202    | + I OWII   | 8-12 mph               | clear<br>ed owl as 714 | 0:50       | 1:00      | No Contact    | No Contact  | 0     | 0    |
|      | 7304  | 1/23/202    | 4 Town     |                        | Partly Clou            | 1:14       | 1:24      | No Contact    | No Contact  | 0     | 0    |
|      | , 504 | ,, <u> </u> | . I O WIII |                        | owls by river.         |            | 1.47      | . TO Jonitali | 140 Contact | U     | U    |
|      | 730.5 | 5/10/202    | 4 Town     | <1 mph                 | •                      | 22:00      | 22:10     | No Contact    | No Contact  | 0     | 0    |
|      | . 500 |             |            |                        | from station           |            |           | Januar        | Joinaot     | J     | J    |
|      | 730.5 | 5/17/202    | 4 Town     | 1-3 mph                |                        | 22:17      | 22:27     | No Contact    | No Contact  | 0     | 0    |

| Si        | tation                                                                                                                | Date                                                                                                                       | Surveyor                                | Wind                                                                                                                                                                          | Weather                                                    | Start                         | End                           | Behavior                                             | Sex                                                  | Dist.       | Azmu |
|-----------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------|-------------------------------|------------------------------------------------------|------------------------------------------------------|-------------|------|
| Year      | 2023                                                                                                                  |                                                                                                                            |                                         |                                                                                                                                                                               |                                                            |                               |                               |                                                      |                                                      |             |      |
|           |                                                                                                                       | 3/4/2023                                                                                                                   | Town                                    | 1-3 mph                                                                                                                                                                       | Partly Clou                                                | 21:10                         | 21:20                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7323                                                                                                                  | /11/2023                                                                                                                   | 3 Town                                  | <1 mph                                                                                                                                                                        | Overcast                                                   | 20:55                         | 21:05                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 732 4                                                                                                                 | 4/8/2023                                                                                                                   | Town                                    | <1 mph                                                                                                                                                                        | Partly Clou                                                | 19:45                         | 19:55                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7324                                                                                                                  | /15/2023                                                                                                                   | 3 Town                                  | 1-3 mph                                                                                                                                                                       | Clear                                                      | 22:45                         | 22:55                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7325                                                                                                                  | /10/2023                                                                                                                   | 3 Town                                  | <1 mph                                                                                                                                                                        | Clear                                                      | 0:00                          | 0:10                          | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7325                                                                                                                  | /17/2023                                                                                                                   | 3 Town                                  | 1-3 mph                                                                                                                                                                       | Clear                                                      | 23:15                         | 23:25                         | No Contact                                           | No Contact                                           | 0           | 0    |
| Year      | 2024                                                                                                                  |                                                                                                                            |                                         | •                                                                                                                                                                             |                                                            |                               |                               |                                                      |                                                      |             |      |
| 1001      |                                                                                                                       | /14/2024                                                                                                                   | 1 Town                                  | 4-7 mph                                                                                                                                                                       | Clear                                                      | 21:45                         | 21:55                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 732 4                                                                                                                 | 4/5/2024                                                                                                                   | Town                                    | 4-7 mph                                                                                                                                                                       | Partly Clou                                                | 23:00                         | 23:10                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7324                                                                                                                  | /15/2024                                                                                                                   | 1 Town                                  | <1 mph                                                                                                                                                                        | Clear                                                      | 22:00                         | 22:10                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7324                                                                                                                  | /22/2024                                                                                                                   | 1 Town                                  | 4-7 mph                                                                                                                                                                       | Clear                                                      | 22:30                         | 22:40                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | Barred owl.                                                                                                                                                                   |                                                            |                               |                               |                                                      |                                                      |             |      |
|           | 732 5                                                                                                                 | 5/9/2024                                                                                                                   | Town                                    | <1 mph                                                                                                                                                                        | Clear                                                      | 22:45                         | 22:55                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | Barred by L                                                                                                                                                                   | NF Gualala                                                 |                               |                               |                                                      |                                                      |             |      |
|           | 7325                                                                                                                  | /16/2024                                                                                                                   | 1 Town                                  | 4-7 mph                                                                                                                                                                       |                                                            | 23:33                         | 23:43                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | Barred far a                                                                                                                                                                  | way by Guala                                               | ala River                     |                               |                                                      |                                                      |             |      |
| Year      | 2023                                                                                                                  |                                                                                                                            |                                         |                                                                                                                                                                               |                                                            |                               |                               |                                                      |                                                      |             |      |
| 1 Cui     |                                                                                                                       | 3/3/2023                                                                                                                   | Town                                    | 1-3 mph                                                                                                                                                                       | Partly Clou                                                | 21:19                         | 21:29                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       | /16/2023                                                                                                                   |                                         | <1 mph                                                                                                                                                                        | Partly Clou                                                | 22:45                         | 22:55                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       | 4/8/2023                                                                                                                   |                                         | <1 mph                                                                                                                                                                        | Partly Clou                                                | 22:20                         | 22:30                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       | /14/2023                                                                                                                   |                                         | <1 mph                                                                                                                                                                        | Clear                                                      | 23:20                         | 23:30                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       | /21/2023                                                                                                                   |                                         | <1 mph                                                                                                                                                                        | Clear                                                      | 23:49                         | 0:00                          | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       | 5/9/2023                                                                                                                   |                                         | 1-3 mph                                                                                                                                                                       | Clear                                                      | 23:50                         | 0:00                          | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       | /16/2023                                                                                                                   |                                         | 1-3 mph                                                                                                                                                                       | Clear                                                      | 23:54                         | 0:04                          | No Contact                                           | No Contact                                           | 0           | 0    |
| Vear      |                                                                                                                       |                                                                                                                            |                                         |                                                                                                                                                                               |                                                            |                               |                               |                                                      |                                                      |             |      |
| 1001      |                                                                                                                       | /12/2024                                                                                                                   | 1 Town                                  | 8-12 mph                                                                                                                                                                      | Clear                                                      | 21:25                         | 21:35                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 746 4                                                                                                                 | 4/8/2024                                                                                                                   | Town                                    | •                                                                                                                                                                             | Clear                                                      |                               | 1:33                          | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7464                                                                                                                  | /16/2024                                                                                                                   | 1 Town                                  | •                                                                                                                                                                             | Clear                                                      |                               | 1:17                          | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7464                                                                                                                  | /23/2024                                                                                                                   | 1 Town                                  | •                                                                                                                                                                             |                                                            |                               | 1:39                          | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7465                                                                                                                  | /10/2024                                                                                                                   | 1 Town                                  |                                                                                                                                                                               | •                                                          | 22:14                         | 22:24                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           | 7465                                                                                                                  | /17/2024                                                                                                                   | 1 Town                                  | •                                                                                                                                                                             | Fog                                                        | 22:33                         | 22:43                         | No Contact                                           | No Contact                                           | 0           | 0    |
| Vogu      | 2022                                                                                                                  |                                                                                                                            |                                         | · · · · · · · · · · · · · · · · · · ·                                                                                                                                         |                                                            |                               |                               |                                                      |                                                      |             |      |
| Tear      |                                                                                                                       | 3/5/2023                                                                                                                   | Town                                    | <1 mnh                                                                                                                                                                        | Partly Clou                                                | 21.15                         | 21.25                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | •                                                                                                                                                                             | •                                                          |                               |                               |                                                      |                                                      |             | 0    |
|           | 7-10                                                                                                                  | 17072020                                                                                                                   | 101111                                  | •                                                                                                                                                                             | ,                                                          | 22.40                         | 22.00                         | No Comact                                            | 140 Contact                                          | Ū           | Ū    |
|           | 7484                                                                                                                  | /15/2023                                                                                                                   | 3 Town                                  |                                                                                                                                                                               |                                                            | 22:30                         | 23:40                         | No Contact                                           | No Contact                                           | 0           | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         |                                                                                                                                                                               |                                                            |                               |                               |                                                      |                                                      |             | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | •                                                                                                                                                                             |                                                            |                               |                               |                                                      |                                                      |             | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | •                                                                                                                                                                             | ,                                                          |                               |                               |                                                      |                                                      |             | 0    |
| Vear      |                                                                                                                       |                                                                                                                            |                                         |                                                                                                                                                                               | ,                                                          |                               |                               |                                                      |                                                      |             | _    |
| 1 cui     |                                                                                                                       |                                                                                                                            | 1 Town                                  | 4-7 mph                                                                                                                                                                       | Clear                                                      | 23:18                         | 23:28                         | No Contact                                           | No Contact                                           | n           | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | •                                                                                                                                                                             |                                                            |                               |                               |                                                      |                                                      |             | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | •                                                                                                                                                                             | -                                                          |                               |                               |                                                      |                                                      |             | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | •                                                                                                                                                                             |                                                            |                               |                               |                                                      |                                                      |             | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | •                                                                                                                                                                             |                                                            |                               |                               |                                                      |                                                      |             | 0    |
|           |                                                                                                                       |                                                                                                                            |                                         | •                                                                                                                                                                             |                                                            |                               |                               |                                                      |                                                      |             |      |
| Year Year | 746 4<br>7464 4<br>7465 7465<br>7465<br>748 4<br>748 4<br>748 5<br>748 5<br>748 4<br>748 4<br>748 4<br>748 4<br>748 4 | 4/8/2024<br>1/16/2024<br>1/23/2024<br>1/17/2024<br>3/15/2023<br>4/8/2023<br>5/7/2023<br>5/7/2023<br>5/14/2023<br>5/21/2023 | Town Town Town Town Town Town Town Town | 8-12 mph 1-3 mph 8-12 mph 1-3 mph <1 mph 1-3 mph <1 mph <1 mph Sarred Owl 1-3 mph 1-3 mph 1-3 mph 1-3 mph 4-7 mph 4-7 mph <1 mph 4-7 mph <1 mph 4-7 mph <1 mph 4-7 mph <1 mph | Clear Clear Partly Clou Clear Fog  Partly Clou Partly Clou | 1:23<br>1:07<br>1:29<br>22:14 | 1:33<br>1:17<br>1:39<br>22:24 | No Contact<br>No Contact<br>No Contact<br>No Contact | No Contact<br>No Contact<br>No Contact<br>No Contact | 0<br>0<br>0 |      |

## Spotted Owl Walk-In Visit Information

As of:

12/21/2020

| Center                                                          |                                                                                         | Visit                     | Sta.                     | Date                                     | Surveyor                          | Start                          | End                     | Wind                          | Weather                            | Mouse Result       | Occupancy          | T        | R     | Sec    | <b>DBH</b> | <b>B</b> A | Visit Type            |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------|--------------------------|------------------------------------------|-----------------------------------|--------------------------------|-------------------------|-------------------------------|------------------------------------|--------------------|--------------------|----------|-------|--------|------------|------------|-----------------------|
| Son0082                                                         | Switchvill                                                                              | 962                       | 0 5/                     | 17/202                                   | 1Town, Pam                        | 18:30                          | 19:30                   | 4-7 mph                       | Clear                              | No Contact         | No Contact         |          |       |        | 0          |            | Walk-in               |
|                                                                 |                                                                                         |                           |                          |                                          | atment and foll<br>valks broadcas |                                |                         |                               | oward STA                          | .104. Barred ow    | l flies in, silent | at first | , voc | al wh  | en play    | BAC        | W calls.              |
| S000083                                                         | Switchvill                                                                              | 974                       | 0 4/                     | 15/202                                   | 2Town, Pam                        | 16:25                          | 17:15                   | 1-3 mph                       | Overcast                           | No Contact         | No Contact         |          |       |        | 0          |            | Walk-in               |
|                                                                 |                                                                                         | atment                    | nlant                    | & hroa                                   | deast & walk ur                   | road the                       | rıı nəte                | & hevon                       | d Go into                          | woods to histori   | c ΔC and walk      | aroun    | d are | a Ra   | ck to m    | ain r      | had and               |
| Park ne<br>near ST<br>hearing                                   | ear water tre                                                                           |                           | owl fly                  | / in and                                 |                                   | ocal. He                       | was m                   | obbed by                      | over 12 st                         | woods to histori   |                    |          |       | dcast  |            |            |                       |
| Park ne near ST hearing Son0082 Start at                        | ear water tre<br>rA 106 see l<br>No NSO.<br>Switchvill<br>gate by wat                   | 997<br>er trea            | owl fly<br>0 5/<br>tment | / in and<br>17/2023<br>plant a           | he was very vo                    | 16:30<br>d. By AC              | was m<br>17:30<br>walke | obbed by  1-3 mph ed into woo | over 12 st                         | ellar jays (poor   | guy). Left barre   | ed and   | broa  | idcast | again v    | when       | out of his<br>Walk-in |
| Park ne<br>near ST<br>hearing<br>Son0082<br>Start at<br>Jays sh | ear water tre<br>FA 106 see I<br>I. No NSO.<br>Switchvill<br>gate by wat<br>lowed Barre | 997<br>er trea<br>d Owl t | 0 5/<br>tment<br>hat fo  | / in and<br>17/2023<br>plant a<br>llowed | he was very vo                    | 16:30<br>d. By AC<br>relentles | 17:30<br>walke          | obbed by  1-3 mph ed into woo | over 12 st<br>Clear<br>ods on skid | ellar jays (poor g | guy). Left barre   | ed and   | broa  | idcast | again v    | when       | out of his<br>Walk-in |

Monday, July 8, 2024 Walk-In Visit Information 532 7/16 Page 1 of 1

Data Version Date: 05/29/2024

Report Generation Date: 7/8/2024

#### Report #1 - Spotted Owl Sites Found Known Spotted Owl sites having observations within the search area.



Meridian, Township, Range, Section (MTRS) searched:

M\_11N\_15W Sections(22,23,24,25,26,27,34,35,36);

| Masterowl | Subspecies | LatDD NAD83 | LonDD NAD83 | MTRS         | AC Coordinate<br>Source |
|-----------|------------|-------------|-------------|--------------|-------------------------|
| MEN0179   | NORTHERN   | 38.789914   | -123.504183 | M 11N 15W 23 | Contributor             |
| MEN0371   | NORTHERN   | 38.806553   | -123.517364 | M 11N 15W 15 | Contributor             |
| MEN0510   | NORTHERN   | 38.798709   | -123.480809 | M 11N 15W 13 | Contributor             |
| SON0017   | NORTHERN   | 38.768938   | -123.476506 | M 11N 14W 30 | Contributor             |
| SON0082   | NORTHERN   | 38.771471   | -123.505195 | M 11N 15W 26 | Contributor             |

Note: Only SON0082 is within 0.7 miles of Plan area.

Data Version Date: 05/29/2024

Report Generation Date: 7/8/2024

## Report #2 - Observations Reported List of observations reported by site.



Meridian, Township, Range, Section (MTRS) searched:

M\_11N\_15W Sections(22,23,24,25,26,27,34,35,36);

7/16

| Туре     | Date           | Time        | #Adults  | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|----------|----------------|-------------|----------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| Masterov | wl: MEN0179 Su | bspecies: N | IORTHERN |         |      |      |        |                      |                       |                 |                          |
| NEG      | 1990-04-16     |             | 0        |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| POS      | 1990-04-16     |             | 2        | UMUF    | Υ    |      |        | 38.796858            | -123.487652           | M 11N 15W<br>13 | Half-section centroid    |
| POS      | 1990-06-01     |             | 2        | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid |
| NEG      | 1990-06-17     |             | 0        |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| NEG      | 1990-07-07     |             | 0        |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| NEG      | 1990-07-19     |             | 0        |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| NEG      | 1991-01-25     | 0630        | 0        |         |      |      |        | 38.790188            | -123.511441           | M 11N 15W<br>23 | Quarter-section centroid |
| NEG      | 1991-01-29     | 1800        | 0        |         |      |      |        | 38.790188            | -123.511441           | M 11N 15W<br>23 | Quarter-section centroid |
| NEG      | 1991-01-31     |             | 0        |         |      |      |        | 38.796947            | -123.492351           | M 11N 15W<br>13 | Quarter-section centroid |
| POS      | 1991-02-15     | 0700        | 1        | UU      |      |      |        | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section centroid |
| NEG      | 1991-02-18     | 0800        | 0        |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| NEG      | 1991-02-22     | 0100        | 0        |         |      |      |        | 38.790188            | -123.511441           | M 11N 15W<br>23 | Quarter-section centroid |
| NEG      | 1991-03-14     | 1830        | 0        |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| NEG      | 1991-04-10     | 1200        | 0        |         |      |      |        | 38.796947            | -123.492351           | M 11N 15W<br>13 | Quarter-section centroid |
| POS      | 1991-04-22     | 0630        | 2        | UUUU    |      |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid |
| NEG      | 1991-05-15     |             | 0        |         |      |      |        | 38.784542            | -123.504136           | M 11N 15W<br>23 | Activity center          |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 1991-05-22 |      | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1991-05-23 |      | 2       | UMUF    | Υ    | Υ    |        | 38.792341            | -123.496234           | M 11N 15W<br>24 | Contributor                         |
| POS  | 1991-05-29 | 1625 | 2       | UMUF    | Υ    | Υ    |        | 38.792341            | -123.496234           | M 11N 15W<br>24 | Contributor                         |
| POS  | 1991-06-01 |      | 2       | UMUF    | Υ    |      | 1      | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1991-07-08 | 1722 | 1       | UM      | Υ    | Υ    | 2      | 38.792341            | -123.496234           | M 11N 15W<br>24 | Contributor                         |
| POS  | 1991-11-04 | 2044 | 1       | UF      |      |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1991-11-10 | 1755 | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1992-03-13 |      | 1       | UU      |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1992-05-08 |      | 2       | UMUF    | Υ    | N    |        | 38.789922            | -123.501894           | M 11N 15W<br>23 | Quarter-section centroid            |
| POS  | 1992-06-01 |      | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1992-06-04 |      | 2       | UMUF    | Υ    |      |        | 38.790055            | -123.506662           | M 11N 15W<br>23 | Half-section centroid               |
| POS  | 1992-09-16 |      | 2       | UMUF    | Υ    | N    |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1993-03-08 |      | 1       | UU      |      |      |        | 38.782650            | -123.501866           | M 11N 15W<br>23 | Quarter-section centroid            |
| POS  | 1993-03-08 | 2115 | 1       | UU      |      |      |        | 38.782393            | -123.492389           | M 11N 15W<br>24 | Quarter-section centroid            |
| NEG  | 1993-03-22 | 2000 | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid                    |
| POS  | 1993-04-08 |      | 1       | UU      |      |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1993-04-28 |      | 1       | UU      |      | 5    | 537    | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young       | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|--------------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1993-04-28 |      | 0       |         |      |      |              | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1993-05-04 |      | 0       |         |      |      |              | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1993-05-10 |      | 0       |         |      |      |              | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 1993-05-13 |      | 0       |         |      |      |              | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1993-05-18 |      | 0       |         |      |      |              | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| POS  | 1993-06-01 |      | 2       | UMUF    | Υ    |      |              | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid |
| POS  | 1993-06-02 |      | 2       | UMUF    | Υ    |      |              | 38.793715            | -123.496482           | M 11N 15W<br>13 | Contributor              |
| POS  | 1993-06-03 | 1200 | 2       | UMUF    |      |      |              | 38.796947            | -123.492351           | M 11N 15W<br>13 | Quarter-section centroid |
| NEG  | 1993-06-16 |      | 0       |         |      |      |              | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| POS  | 1993-07-22 | 1310 | 1       | ИМ      |      |      |              | 38.789187            | -123.492654           | M 11N 15W<br>24 | Contributor              |
| POS  | 1993-11-13 | 1214 | 2       | UMUF    |      |      |              | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid |
| NEG  | 1994-03-22 |      | 0       |         |      |      |              | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 1994-03-24 |      | 0       |         |      |      |              | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1994-03-30 |      | 0       |         |      |      |              | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| POS  | 1994-04-15 |      | 1       | UU      |      |      |              | 38.796947            | -123.492351           | M 11N 15W<br>13 | Quarter-section centroid |
| POS  | 1994-06-01 |      | 2       | UMUF    | Υ    |      |              | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid |
| POS  | 1994-06-01 | 1158 | 2       | UMUF    | Υ    | _    | 00           | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
|      |            |      |         |         |      | 5    | 38<br>Dans 4 |                      |                       |                 | 7/16                     |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 1994-11-22 | 1911 | 1       | UM      |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| NEG  | 1995-04-02 |      | 0       |         |      |      |        | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid                    |
| NEG  | 1995-04-23 |      | 0       |         |      |      |        | 38.786443            | -123.506607           | M 11N 15W<br>23 | Section centroid                    |
| NEG  | 1995-04-24 |      | 0       |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| POS  | 1995-05-31 | 2142 | 1       | UM      |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| POS  | 1995-06-01 |      | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1995-07-10 |      | 1       | UU      |      |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1995-07-11 |      | 1       | UU      |      |      |        | 38.789922            | -123.501894           | M 11N 15W<br>23 | Quarter-section centroid            |
| POS  | 1995-11-09 | 1849 | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| NEG  | 1996-03-07 | 2100 | 0       |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| POS  | 1996-03-17 |      | 1       | UU      |      |      |        | 38.796947            | -123.492351           | M 11N 15W<br>13 | Quarter-section centroid            |
| POS  | 1996-03-18 |      | 1       | UU      |      |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1996-04-05 |      | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| NEG  | 1996-04-07 |      | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid                    |
| POS  | 1996-05-25 |      | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1996-06-01 |      | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1996-06-30 |      | 2       | UMUF    | Υ    | 5    | 39<br> | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 1996-07-10 |      | 2       | UMUF    | Υ    |      |               | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1996-10-24 | 1426 | 1       | UU      |      |      |               | 38.789922            | -123.501894           | M 11N 15W<br>23 | Quarter-section centroid            |
| POS  | 1996-10-24 |      | 1       | UU      |      |      |               | 38.789922            | -123.501894           | M 11N 15W<br>23 | Quarter-section centroid            |
| POS  | 1997-02-24 | 0000 | 2       | UMUF    | Y    |      |               | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| NEG  | 1997-03-12 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid                    |
| NEG  | 1997-03-22 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid                    |
| POS  | 1997-04-15 |      | 2       | UMUF    | Y    |      |               | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1997-04-30 | 1325 | 2       | UMUF    | Y    | Υ    |               | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1997-05-27 |      | 2       | UMUF    | Y    | Υ    | 1             | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1997-06-01 |      | 2       | UMUF    | Y    |      | 1             | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1997-07-03 |      | 2       | UMUF    | Υ    |      | 1             | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1997-07-15 | 1837 | 1       | UF      |      |      | 1             | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1997-11-04 | 1904 | 1       | UM      |      |      |               | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1998-03-03 |      | 1       | UU      |      |      |               | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1998-04-24 |      | 2       | UMUF    | Y    |      |               | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1998-05-18 |      | 1       | UU      |      |      |               | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid            |
| POS  | 1998-06-01 |      | 2       | UMUF    | Υ    | 5    | 540<br>Dogg 6 | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1998-06-10 | 1200          | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| POS  | 1998-07-29 |               | 1       | ИМ      |      |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid |
| NEG  | 1998-08-13 |               | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1998-08-13 |               | 0       |         |      |      |        | 38.788932            | -123.473342           | M 11N 14W<br>19 | Quarter-section centroid |
| NEG  | 1998-08-20 |               | 0       |         |      |      |        | 38.784897            | -123.468539           | M 11N 14W<br>19 | Section centroid         |
| POS  | 1998-08-20 |               | 1       | UF      |      |      |        | 38.789435            | -123.482869           | M 11N 15W<br>24 | Quarter-section centroid |
| NEG  | 1998-08-21 |               | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1998-08-27 |               | 0       |         |      |      |        | 38.784897            | -123.468539           | M 11N 14W<br>19 | Section centroid         |
| NEG  | 1998-08-27 |               | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| POS  | 1998-10-12 |               | 2       | UMUF    | Υ    |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid |
| POS  | 1998-10-21 |               | 1       | UU      |      |      |        | 38.789665            | -123.492370           | M 11N 15W<br>24 | Quarter-section centroid |
| POS  | 1998-10-21 | 1148          | 1       | UU      |      |      |        | 38.784542            | -123.504136           | M 11N 15W<br>23 | Activity center          |
| NEG  | 1999-03-17 | 2028-<br>2038 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-03-20 | 1719          | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1999-03-29 | 2205-<br>2215 | 0       |         |      |      |        | 38.791161            | -123.486695           | M 11N 15W<br>24 | Contributor              |
| NEG  | 1999-04-12 | 2318-<br>2328 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-04-23 | 0202-<br>0212 | 0       |         |      | 54   | 41     | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1999-04-24 | 0014-<br>0024 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-05-01 | 0025-<br>0035 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-05-13 | 2141-<br>2151 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-05-15 | 1400          | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1999-05-20 | 2321-<br>2331 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-05-20 | 0050-<br>0100 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-05-22 | 1715          | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| POS  | 1999-05-22 | 0138          | 2       | UMUF    | Υ    |      |        | 38.792341            | -123.496234           | M 11N 15W<br>24 | Contributor              |
| NEG  | 1999-06-01 | 0007-<br>0017 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-06-02 | 1730          | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| NEG  | 1999-06-02 | 2216-<br>2226 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| POS  | 1999-06-02 | 0128          | 1       | ИМ      |      |      |        | 38.796947            | -123.492351           | M 11N 15W<br>13 | Quarter-section centroid |
| POS  | 1999-06-03 | 0642          | 1       | UU      |      |      |        | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section centroid |
| POS  | 1999-06-03 | 0739-<br>0842 | 1       | UU      |      |      |        | 38.790582            | -123.498195           | M 11N 15W<br>23 | Contributor              |
| NEG  | 1999-06-10 | 2240-<br>2250 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 1999-06-17 | 2327-<br>2337 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2000-03-02 | 2303          | 0       |         |      | 54   | 42     | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 2000-03-03 | 2117-<br>2137 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2000-03-03 | 2000          | 0       |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| NEG  | 2000-04-06 | 2352-<br>0002 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2000-04-09 | 2105          | 0       |         |      |      |        | 38.790462            | -123.520828           | M 11N 15W<br>22 | Quarter-section centroid |
| NEG  | 2000-04-15 | 1050          | 0       |         |      |      |        | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| NEG  | 2000-04-19 | 2023          | 0       |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| POS  | 2000-04-26 | 2144          | 1       | UM      |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| POS  | 2000-04-28 | 2310          | 1       | UM      |      |      |        | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section centroid |
| NEG  | 2000-05-09 | 2105-<br>2115 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2000-06-04 | 2347-<br>2357 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| POS  | 2000-06-04 | 2236          | 1       | UM      |      |      |        | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section centroid |
| POS  | 2000-06-06 | 0845          | 1       | UM      |      |      |        | 38.789922            | -123.501894           | M 11N 15W<br>23 | Quarter-section centroid |
| NEG  | 2000-06-28 | 2138-<br>2148 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| POS  | 2001-03-10 | 2223          | 1       | UF      |      |      |        | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section centroid |
| POS  | 2001-03-10 | 2223          | 1       | UF      |      |      |        | 38.793119            | -123.499775           | M 11N 15W<br>23 | Contributor              |
| POS  | 2001-03-10 | 2240          | 1       | UU      |      |      |        | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section centroid |
| NEG  | 2001-03-12 | 1941          | 0       |         |      | 54   | 43     | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 2001-03-14 | 1955-<br>2005 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2001-03-18 | 1940-<br>1950 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| POS  | 2001-05-05 | 1400          | 2       | UMUF    | Υ    |      |        | 38.792234            | -123.496210           | M 11N 15W<br>24 | Contributor              |
| NEG  | 2001-05-24 | 2313-<br>2323 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| POS  | 2001-05-25 | 0050          | 1       | UM      |      |      |        | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section centroid |
| NEG  | 2001-06-13 | 2121          | 0       |         |      |      |        | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 2001-06-14 | 2103-<br>2113 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2001-06-14 | 2205-<br>2215 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2001-06-29 | 2331-<br>2341 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2002-03-04 | 2345-<br>2355 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2002-03-06 | 2115          | 0       |         |      |      |        | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 2002-03-12 | 2326-<br>2336 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2002-04-09 | 2325-<br>2335 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| POS  | 2002-04-11 | 1430          | 2       | UMUF    | Υ    |      |        | 38.795955            | -123.488514           | M 11N 15W<br>13 | Contributor              |
| NEG  | 2002-04-20 | 0129-<br>0139 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG  | 2002-04-21 | 0058-<br>0108 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor              |
| POS  | 2002-04-21 | 2357          | 2       | UMUF    | Υ    | Ę    | 544    | 38.790299            | -123.509950           | M 11N 15W<br>23 | Contributor              |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young         | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|----------------|----------------------|-----------------------|-----------------|----------------------|
| POS  | 2002-04-22 | 1708          | 2       | UMUF    | Υ    |      |                | 38.789914            | -123.504183           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2002-04-30 | 0133-<br>0143 | 0       |         |      |      |                | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| AC   | 2002-05-02 | 1728-<br>1732 | 2       | UMUF    | Υ    | Υ    |                | 38.789914            | -123.504183           | M 11N 15W<br>23 | Contributor          |
| POS  | 2003       |               | 1       | UU      |      | Υ    |                | 38.789859            | -123.504173           | M 11N 15W<br>23 | Contributor          |
| POS  | 2003-03-06 | 0044          | 1       | UM      |      |      |                | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2003-03-07 | 2021-<br>2031 | 0       |         |      |      |                | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2003-03-07 | 2156-<br>2206 | 0       |         |      |      |                | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| POS  | 2003-03-30 | 1505-<br>1520 | 2       | UMUF    | Υ    |      |                | 38.789914            | -123.504183           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2003-04-02 | 1931-<br>1941 | 0       |         |      |      |                | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2003-04-02 | 2033-<br>2043 | 0       |         |      |      |                | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2003-04-14 | 0003-<br>0013 | 0       |         |      |      |                | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2003-04-30 | 0159-<br>0209 | 0       |         |      |      |                | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2003-04-30 | 0118-<br>0128 | 0       |         |      |      |                | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2003-04-30 | 0040-<br>0050 | 0       |         |      |      |                | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2004-03-11 | 2343-<br>2353 | 0       |         |      |      |                | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2004-03-11 | 2302-<br>2312 | 0       |         |      |      |                | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| POS  | 2004-03-19 | 1729-<br>1745 | 2       | UMUF    | Υ    | _    | 45             | 38.789673            | -123.507622           | M 11N 15W<br>23 | Contributor          |
|      |            |               |         |         |      | 5    | 45<br>Danie 44 |                      |                       |                 | 7/16                 |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2004-04-07 | 0015-<br>0025 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2004-04-15 | 0119-<br>0129 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2004-06-14 | 0142-<br>0152 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2004-06-15 | 0134-<br>0144 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2005-04-21 | 2212-<br>2222 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2005-04-21 | 0121-<br>0131 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2005-05-10 | 2220-<br>2230 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2005-06-09 | 2242-<br>2252 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2005-06-23 | 2148-<br>2158 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2005-06-25 | 2157-<br>2207 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2005-07-20 | 2107-<br>2117 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2005-07-26 | 2128-<br>2148 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2005-07-27 | 2132-<br>2142 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2006-04-13 | 0259-<br>0309 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2006-04-25 | 0118-<br>0128 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2006-04-25 | 0035-<br>0045 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2006-04-25 | 0301-<br>0311 | 0       |         |      | 5    | 546    | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|-------------------------------------|
| NEG  | 2006-05-25 | 2153-<br>2203 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor                         |
| NEG  | 2006-05-25 | 2350-<br>0000 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor                         |
| NEG  | 2006-06-02 | 2314-<br>2324 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor                         |
| NEG  | 2006-06-02 | 2232-<br>2242 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor                         |
| NEG  | 2006-06-03 | 2201-<br>2211 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor                         |
| NEG  | 2007-03-28 | 2022-<br>2032 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor                         |
| NEG  | 2007-03-28 | 1928-<br>1938 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor                         |
| POS  | 2007-03-28 | 1904          | 1       | UU      |      |      |        | 38.782650            | -123.501866           | M 11N 15W<br>23 | Quarter-section centroid            |
| NEG  | 2007-03-29 | 2054-<br>2104 | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor                         |
| NEG  | 2007-04-05 | 2338-<br>2348 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor                         |
| POS  | 2007-04-06 | 1804          | 2       | UMUF    | Υ    |      |        | 38.784542            | -123.504136           | M 11N 15W<br>23 | Contributor                         |
| NEG  | 2007-04-07 | 0127-<br>0137 | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor                         |
| NEG  | 2007-04-25 |               | 0       |         |      |      |        | 38.783990            | -123.509120           | M 11N 15W<br>23 | Contributor                         |
| NEG  | 2007-04-25 | 2146-<br>2156 | 0       |         |      |      |        | 38.791290            | -123.517890           | M 11N 15W<br>22 | Contributor                         |
| NEG  | 2008-05-17 | 2125          | 0       |         |      |      |        | 38.789922            | -123.501894           | M 11N 15W<br>23 | Quarter-section centroid            |
| NEG  | 2009-04-06 | 2038          | 0       |         |      |      |        | 38.789922            | -123.501894           | M 11N 15W<br>23 | Quarter-section centroid            |
| NEG  | 2009-04-13 | 2015          | 0       |         |      | 5    | 47     | 38.789922            | -123.501894           | M 11N 15W<br>23 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2011       | 2400          | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2011       | 2400          | 0       |         |      |      |        | 38.794570            | -123.517684           | M 11N 15W<br>15 | Contributor          |
| NEG  | 2011-03-04 | 2241-<br>2251 | 0       |         |      |      |        | 38.793119            | -123.499775           | M 11N 15W<br>23 | Contributor          |
| POS  | 2011-03-06 | 2047-<br>2100 | 1       | UM      |      |      |        | 38.786171            | -123.508792           | M 11N 15W<br>23 | Contributor          |
| POS  | 2011-04-01 | 2203-<br>2213 | 1       | UM      |      |      |        | 38.786171            | -123.508792           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2011-05-12 | 2059-<br>2109 | 0       |         |      |      |        | 38.793119            | -123.499775           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.794570            | -123.517684           | M 11N 15W<br>15 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.793119            | -123.499775           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.789150            | -123.491524           | M 11N 15W<br>24 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.797460            | -123.512839           | M 11N 15W<br>14 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.786171            | -123.508792           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.790299            | -123.509950           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.784782            | -123.493778           | M 11N 15W<br>24 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.797460            | -123.512839           | M 11N 15W<br>14 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.793119            | -123.499775           | M 11N 15W<br>23 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      | 5    | 48     | 38.784782            | -123.493778           | M 11N 15W<br>24 | Contributor          |

| Туре     | Date           | Time        | #Adults  | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|----------|----------------|-------------|----------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG      | 2013           | 2400        | 0        |         |      |      |        | 38.786171            | -123.508792           | M 11N 15W<br>23 | Contributor              |
| NEG      | 2013           | 2400        | 0        |         |      |      |        | 38.790299            | -123.509950           | M 11N 15W<br>23 | Contributor              |
| NEG      | 2013           | 2400        | 0        |         |      |      |        | 38.789150            | -123.491524           | M 11N 15W<br>24 | Contributor              |
| NEG      | 2013           | 2400        | 0        |         |      |      |        | 38.794570            | -123.517684           | M 11N 15W<br>15 | Contributor              |
| NEG      | 2013           | 2400        | 0        |         |      |      |        | 38.783380            | -123.516870           | M 11N 15W<br>22 | Contributor              |
| NEG      | 2014           |             | 0        |         |      |      |        | 38.789914            | -123.504183           | M 11N 15W<br>23 | Activity center          |
| Masterov | vl: MEN0371 Su | bspecies: N | IORTHERN |         |      |      |        |                      |                       |                 |                          |
| POS      | 1990-08-07     |             | 2        | UMUF    | Υ    |      | 1      | 38.792521            | -123.513749           | M 11N 15W<br>23 | Contributor              |
| NEG      | 1991-02-22     |             | 0        |         |      |      |        | 38.797442            | -123.511389           | M 11N 15W<br>14 | Quarter-section centroid |
| NEG      | 1991-04-30     |             | 0        |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG      | 1991-05-15     |             | 0        |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG      | 1991-05-23     |             | 0        |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG      | 1991-06-11     |             | 0        |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG      | 1991-06-13     |             | 0        |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG      | 1991-06-18     |             | 0        |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG      | 1991-07-01     |             | 0        |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG      | 1991-07-09     |             | 0        |         |      |      |        | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young         | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|----------------|----------------------|-----------------------|-----------------|-------------------------------------|
| NEG  | 1991-07-12 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1991-07-17 |      | 1       | UU      |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1991-07-23 |      | 1       | UU      |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1991-11-10 |      | 2       | UMUF    |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1992-03-12 |      | 1       | UU      |      |      |                | 38.804698            | -123.511084           | M 11N 15W<br>14 | Quarter-section centroid            |
| POS  | 1992-03-26 |      | 1       | UU      |      |      |                | 38.810326            | -123.501553           | M 11N 15W<br>11 | Contributor                         |
| POS  | 1992-03-26 |      | 1       | UU      |      |      |                | 38.804698            | -123.511084           | M 11N 15W<br>14 | Quarter-section centroid            |
| POS  | 1992-04-22 |      | 1       | UU      |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| NEG  | 1992-04-27 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| NEG  | 1992-05-15 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1992-06-04 |      | 1       | UU      |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1993-03-22 | 2120 | 1       | UU      |      |      |                | 38.797442            | -123.511389           | M 11N 15W<br>14 | Quarter-section centroid            |
| POS  | 1993-03-22 |      | 1       | UU      |      |      |                | 38.797442            | -123.511389           | M 11N 15W<br>14 | Quarter-section centroid            |
| POS  | 1993-05-13 |      | 1       | UM      |      |      |                | 38.799460            | -123.513569           | M 11N 15W<br>14 | Contributor                         |
| POS  | 1993-05-13 | 2228 | 1       | UM      |      |      |                | 38.801074            | -123.511231           | M 11N 15W<br>14 | Half-section centroid               |
| NEG  | 1993-05-18 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1993-06-02 | 1200 | 2       | UMUF    | Y    | 5    | 550<br>Dogo 16 | 38.804698            | -123.511084           | M 11N 15W<br>14 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young         | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|----------------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 1993-06-03 |      | 2       | UMUF    | Υ    |      |                | 38.804698            | -123.511084           | M 11N 15W<br>14 | Quarter-section centroid            |
| POS  | 1993-06-04 | 1719 | 2       | UMUF    |      |      |                | 38.804698            | -123.511084           | M 11N 15W<br>14 | Quarter-section centroid            |
| POS  | 1993-06-09 |      | 2       | UMUF    | Υ    |      |                | 38.804698            | -123.511084           | M 11N 15W<br>14 | Quarter-section centroid            |
| NEG  | 1994-03-22 |      | 0       |         |      |      |                | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| NEG  | 1994-04-28 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| NEG  | 1994-08-01 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid                    |
| POS  | 1994-08-12 |      | 1       | UU      |      |      |                | 38.819315            | -123.506800           | M 11N 15W<br>11 | Contributor                         |
| NEG  | 1995-04-02 |      | 0       |         |      |      |                | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| NEG  | 1995-04-11 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid                    |
| NEG  | 1995-04-11 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| NEG  | 1995-05-09 |      | 0       |         |      |      |                | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| NEG  | 1995-05-17 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid                    |
| NEG  | 1995-05-30 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid                    |
| NEG  | 1995-08-02 |      | 0       |         |      |      |                | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| NEG  | 1996-03-13 | 2205 | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid                    |
| POS  | 1996-03-19 |      | 1       | UU      |      |      |                | 38.812150            | -123.511160           | M 11N 15W<br>11 | Quarter-section centroid            |
| POS  | 1996-03-19 |      | 2       | UMUF    | Υ    | ţ    | 551<br>Dana 47 | 38.812150            | -123.511160           | M 11N 15W<br>11 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young         | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|----------------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 1996-03-20 |      | 3       | UMUF    | Y    |      |                | 38.812150            | -123.511160           | M 11N 15W<br>11 | Quarter-section centroid            |
| NEG  | 1996-05-12 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid                    |
| NEG  | 1996-05-25 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid                    |
| POS  | 1996-07-05 |      | 1       | UU      |      |      |                | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section centroid            |
| POS  | 1996-07-05 |      | 1       | UU      |      |      |                | 38.797815            | -123.520904           | M 11N 15W<br>15 | Quarter-section centroid            |
| POS  | 1996-07-06 | 1200 | 1       | UU      |      |      |                | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section centroid            |
| NEG  | 1996-07-06 |      | 0       |         |      |      |                | 38.812150            | -123.511160           | M 11N 15W<br>11 | Quarter-section centroid            |
| NEG  | 1996-07-12 |      | 0       |         |      |      |                | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid                    |
| POS  | 1996-07-18 |      | 1       | UU      | Υ    |      |                | 38.804698            | -123.511084           | M 11N 15W<br>14 | Quarter-section centroid            |
| POS  | 1996-07-18 |      | 1       | UU      | Υ    |      |                | 38.797442            | -123.511389           | M 11N 15W<br>14 | Quarter-section centroid            |
| NEG  | 1996-08-07 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid                    |
| NEG  | 1996-08-23 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1996-08-27 |      | 2       | UMUF    | Υ    |      |                | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section centroid            |
| POS  | 1996-08-27 | 2025 | 2       | UMUF    | Υ    |      |                | 38.797442            | -123.511389           | M 11N 15W<br>14 | Quarter-section centroid            |
| NEG  | 1997-02-24 |      | 0       |         |      |      |                | 38.809983            | -123.518251           | M 11N 15W<br>10 | Activity center                     |
| NEG  | 1997-03-31 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 1997-04-29 |      | 1       | UU      |      | 5    | 552<br>Daga 40 | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young         | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|----------------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1997-04-30 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG  | 1997-07-29 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG  | 1998-03-03 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG  | 1998-04-07 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid         |
| POS  | 1998-04-07 |      | 1       | UU      |      |      |                | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section centroid |
| NEG  | 1998-04-14 |      | 0       |         |      |      |                | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid         |
| POS  | 1998-04-14 |      | 2       | UMUF    | Υ    |      |                | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid |
| POS  | 1998-04-20 |      | 2       | UMUF    | Υ    |      |                | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid |
| NEG  | 1998-04-20 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG  | 1998-05-05 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| POS  | 1998-05-08 |      | 1       | UU      |      |      |                | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid |
| NEG  | 1998-05-17 |      | 0       |         |      |      |                | 38.801922            | -123.525471           | M 11N 15W<br>15 | Section centroid         |
| NEG  | 1998-06-02 |      | 0       |         |      |      |                | 38.786442            | -123.506602           | M 11N 15W<br>23 | Section centroid         |
| NEG  | 1998-06-05 |      | 0       |         |      |      |                | 38.816899            | -123.525397           | M 11N 15W<br>10 | Section centroid         |
| NEG  | 1998-06-18 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| NEG  | 1998-07-28 |      | 0       |         |      |      |                | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid         |
| POS  | 1999-03-20 | 1609 | 2       | UMUF    | Υ    | Υ 5  | 553<br>Dama 40 | 38.810610            | -123.519062           | M 11N 15W<br>10 | Contributor              |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|-------------------------------------|
| NEG  | 2000-03-02 | 2219 | 0       |         |      |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| POS  | 2000-03-05 | 1038 | 2       | UMUF    | Υ    |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| NEG  | 2000-04-26 | 2303 | 0       |         |      |      |               | 38.816899            | -123.525397           | M 11N 15W<br>10 | Section centroid                    |
| NEG  | 2000-04-26 | 2114 | 0       |         |      |      |               | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid                    |
| NEG  | 2000-06-07 | 0150 | 0       |         |      |      |               | 38.816899            | -123.525397           | M 11N 15W<br>10 | Section centroid                    |
| NEG  | 2000-06-28 | 2219 | 0       |         |      |      |               | 38.820896            | -123.530391           | M 11N 15W<br>10 | Quarter-section centroid            |
| NEG  | 2001-03-10 | 2231 | 0       |         |      |      |               | 38.800879            | -123.506508           | M 11N 15W<br>14 | Section centroid                    |
| POS  | 2001-03-10 | 1645 | 1       | UU      |      |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| NEG  | 2001-03-14 | 1907 | 0       |         |      |      |               | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid                    |
| POS  | 2001-05-03 | 0137 | 1       | ИМ      |      |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| POS  | 2001-05-08 | 1630 | 1       | UU      |      |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| NEG  | 2001-05-15 | 2234 | 0       |         |      |      |               | 38.816899            | -123.525397           | M 11N 15W<br>10 | Section centroid                    |
| POS  | 2001-05-25 | 0050 | 1       | ИМ      |      |      |               | 38.797150            | -123.501841           | M 11N 15W<br>14 | Quarter-section centroid            |
| POS  | 2001-06-26 | 1830 | 2       | UMUF    | Υ    |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| POS  | 2002-03-06 | 1500 | 2       | UMUF    | Υ    |      |               | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section centroid            |
| POS  | 2002-04-09 | 1755 | 2       | UMUF    | Υ    |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| POS  | 2002-04-21 | 1350 | 1       | UM      |      | 5    | 54<br>Dogg 20 | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 2002-04-21 | 0029 | 1       | UM      |      |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| POS  | 2002-04-21 | 0014 | 1       | UM      |      |      |               | 38.801822            | -123.522796           | M 11N 15W<br>15 | Contributor                         |
| POS  | 2002-05-02 | 1515 | 2       | UMUF    | Υ    |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| NEG  | 2003-03-07 | 1924 | 0       |         |      |      |               | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid                    |
| POS  | 2003-03-09 | 1651 | 1       | UF      |      |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| NEG  | 2003-04-02 | 2014 | 0       |         |      |      |               | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid                    |
| AC   | 2003-04-13 | 1230 | 2       | UMUF    | Υ    | Υ    |               | 38.806553            | -123.517364           | M 11N 15W<br>15 | Contributor                         |
| POS  | 2004-04-29 | 1704 | 2       | UMUF    | Υ    |      |               | 38.807014            | -123.517078           | M 11N 15W<br>15 | Contributor                         |
| NEG  | 2005       |      | 0       |         |      |      |               | 38.806553            | -123.517364           | M 11N 15W<br>15 | Activity center                     |
| POS  | 2006       |      | 1       | UM      |      |      |               | 38.806553            | -123.517364           | M 11N 15W<br>15 | Activity center                     |
| POS  | 2007-04-05 | 1715 | 1       | UM      |      |      |               | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section centroid            |
| POS  | 2007-04-07 | 1539 | 2       | UMUF    | Υ    | N    |               | 38.807014            | -123.517078           | M 11N 15W<br>15 | Contributor                         |
| POS  | 2007-05-17 | 1930 | 2       | UMUF    | Υ    | N    |               | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section centroid            |
| POS  | 2008-03-23 | 1926 | 1       | AM      |      |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| POS  | 2008-03-30 | 1825 | 2       | AMAF    | Y    |      |               | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section centroid            |
| POS  | 2008-05-18 | 1930 | 2       | AMAF    | Y    |      |               | 38.809983            | -123.518251           | M 11N 15W<br>10 | Contributor                         |
| NEG  | 2009-04-12 | 1100 | 0       |         |      | 5    | 55<br>Page 21 | 38.812793            | -123.520552           | M 11N 15W<br>10 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| POS  | 2010       |               | 1       | UM      |      |      |        | 38.806553            | -123.517364           | M 11N 15W<br>15 | Activity center      |
| NEG  | 2011       | 2400          | 0       |         |      |      |        | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid     |
| NEG  | 2011       | 2400          | 0       |         |      |      |        | 38.800558            | -123.500457           | M 11N 15W<br>14 | Contributor          |
| NEG  | 2011       | 2400          | 0       |         |      |      |        | 38.794570            | -123.517684           | M 11N 15W<br>15 | Contributor          |
| NEG  | 2011       | 2400          | 0       |         |      |      |        | 38.802262            | -123.504678           | M 11N 15W<br>14 | Contributor          |
| POS  | 2011-03-04 | 1700-<br>1730 | 2       | UMUF    | Υ    |      |        | 38.815693            | -123.506613           | M 11N 15W<br>11 | Section centroid     |
| POS  | 2011-03-06 | 2319-<br>2329 | 1       | UM      |      |      |        | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid     |
| NEG  | 2011-04-01 | 2030-<br>2040 | 0       |         |      |      |        | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid     |
| POS  | 2011-04-03 | 0945-<br>1050 | 1       | UM      |      |      |        | 38.801922            | -123.525471           | M 11N 15W<br>15 | Section centroid     |
| POS  | 2011-05-16 | 2000-<br>2014 | 1       | UM      |      |      |        | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid     |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid     |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.797460            | -123.512839           | M 11N 15W<br>14 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.814692            | -123.524189           | M 11N 15W<br>10 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.813749            | -123.531468           | M 11N 15W<br>10 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.794570            | -123.517684           | M 11N 15W<br>15 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.802262            | -123.504678           | M 11N 15W<br>14 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      | 5    | 56_    | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid     |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| POS  | 2012-03-08 | 1000-<br>1130 | 1       | UF      |      |      |        | 38.816899            | -123.525397           | M 11N 15W<br>10 | Section centroid         |
| NEG  | 2012-04-28 | 1800-<br>1900 | 0       |         |      |      |        | 38.801922            | -123.525471           | M 11N 15W<br>15 | Section centroid         |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid         |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.807437            | -123.497538           | M 11N 15W<br>14 | Contributor              |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.814692            | -123.524189           | M 11N 15W<br>10 | Contributor              |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.813749            | -123.531468           | M 11N 15W<br>10 | Contributor              |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.797460            | -123.512839           | M 11N 15W<br>14 | Contributor              |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.801984            | -123.525606           | M 11N 15W<br>15 | Section centroid         |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.794570            | -123.517684           | M 11N 15W<br>15 | Contributor              |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.802262            | -123.504678           | M 11N 15W<br>14 | Contributor              |
| NEG  | 2013-03-07 | 2254-<br>2304 | 0       |         |      |      |        | 38.808257            | -123.522569           | M 11N 15W<br>15 | Contributor              |
| POS  | 2013-03-07 | 2237-<br>2250 | 2       | UMUF    | Υ    |      |        | 38.805303            | -123.515347           | M 11N 15W<br>14 | Contributor              |
| NEG  | 2013-03-08 | 1545-<br>1700 | 0       |         |      |      |        | 38.816899            | -123.525397           | M 11N 15W<br>10 | Section centroid         |
| POS  | 2014       |               | 1       | UF      |      |      |        | 38.806553            | -123.517364           | M 11N 15W<br>15 | Activity center          |
| NEG  | 2019-04-02 | 0915-<br>1025 | 0       |         |      |      |        | 38.805323            | -123.520509           | M 11N 15W<br>15 | Quarter-section centroid |
| NEG  | 2020       | 2400          | 0       |         |      |      |        | 38.805303            | -123.515347           | M 11N 15W<br>14 | Contributor              |
| NEG  | 2020       | 2400          | 0       |         |      | 5    | 57     | 38.805060            | -123.533790           | M 11N 15W<br>15 | Contributor              |

| Туре    | Date           | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|---------|----------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG     | 2020           | 2400          | 0       |         |      |      |        | 38.816630            | -123.515780           | M 11N 15W<br>11 | Contributor              |
| NEG     | 2020           | 2400          | 0       |         |      |      |        | 38.813620            | -123.531940           | M 11N 15W<br>10 | Contributor              |
| NEG     | 2020-03-01     | 1920-<br>1930 | 0       |         |      |      |        | 38.814692            | -123.524189           | M 11N 15W<br>10 | Contributor              |
| NEG     | 2020-03-08     | 2040-<br>2050 | 0       |         |      |      |        | 38.814692            | -123.524189           | M 11N 15W<br>10 | Contributor              |
| NEG     | 2020-04-14     | 2130-<br>2140 | 0       |         |      |      |        | 38.814692            | -123.524189           | M 11N 15W<br>10 | Contributor              |
| NEG     | 2020-04-15     | 1730-<br>1830 | 0       |         |      |      |        | 38.806553            | -123.517364           | M 11N 15W<br>15 | Activity center          |
| NEG     | 2020-05-13     | 2145-<br>2155 | 0       |         |      |      |        | 38.814692            | -123.524189           | M 11N 15W<br>10 | Contributor              |
| NEG     | 2020-05-20     | 2334-<br>2344 | 0       |         |      |      |        | 38.814692            | -123.524189           | M 11N 15W<br>10 | Contributor              |
| NEG     | 2021           | 2400          | 0       |         |      |      |        | 38.814692            | -123.524189           | M 11N 15W<br>10 | Contributor              |
| NEG     | 2021           | 2400          | 0       |         |      |      |        | 38.805303            | -123.515347           | M 11N 15W<br>14 | Contributor              |
| NEG     | 2021           | 2400          | 0       |         |      |      |        | 38.813620            | -123.531940           | M 11N 15W<br>10 | Contributor              |
| NEG     | 2021           | 2400          | 0       |         |      |      |        | 38.816630            | -123.515780           | M 11N 15W<br>11 | Contributor              |
| NEG     | 2021           | 2400          | 0       |         |      |      |        | 38.805060            | -123.533790           | M 11N 15W<br>15 | Contributor              |
| NEG     | 2021-03-22     | 1750-<br>1900 | 0       |         |      |      |        | 38.806553            | -123.517364           | M 11N 15W<br>15 | Activity center          |
| Mastero | wl: MEN0510 Su | bspecies: N   | ORTHERN |         |      |      |        |                      |                       |                 |                          |
| POS     | 1990-05-03     | 2152          | 1       | UF      |      |      |        | 38.804149            | -123.483060           | M 11N 15W<br>13 | Quarter-section centroid |
| POS     | 1990-06-01     |               | 1       | UU      |      |      |        | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section centroid |
|         |                |               |         |         |      | 5    | 558    |                      |                       |                 | 7/16                     |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1995-04-24 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| POS  | 1996-03-17 |      | 1       | UU      |      |      |               | 38.804149            | -123.483060           | M 11N 15W<br>13 | Quarter-section centroid |
| POS  | 1996-03-24 |      | 1       | UU      |      |      |               | 38.799146            | -123.481322           | M 11N 15W<br>13 | Contributor              |
| POS  | 1996-03-25 |      | 2       | UMUF    | Υ    |      |               | 38.799146            | -123.481322           | M 11N 15W<br>13 | Contributor              |
| POS  | 1996-04-05 |      | 2       | UMUF    | Υ    |      |               | 38.799146            | -123.481322           | M 11N 15W<br>13 | Contributor              |
| POS  | 1996-06-06 |      | 2       | UMUF    | Υ    |      |               | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section centroid |
| NEG  | 1997-05-19 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 1997-05-27 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 1997-07-29 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 1998-04-24 |      | 0       |         |      |      |               | 38.799693            | -123.468785           | M 11N 14W<br>18 | Section centroid         |
| POS  | 1998-04-24 |      | 1       | UU      |      |      |               | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section centroid |
| NEG  | 1998-04-25 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 1998-05-05 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 1998-05-18 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| POS  | 1998-06-01 |      | 1       | UU      |      |      |               | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section centroid |
| NEG  | 1998-07-29 |      | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 1998-08-13 |      | 0       |         |      |      |               | 38.799693            | -123.468785           | M 11N 14W<br>18 | Section centroid         |
|      |            |      |         |         |      | 5:   | 59<br>Dana 05 |                      |                       |                 | 7/16                     |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|---------------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|-------------------------------------|
| NEG  | 1998-08-13 |               | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid                    |
| NEG  | 1998-08-20 |               | 0       |         |      |      |               | 38.800699            | -123.487242           | M 11N 15W<br>13 | Section centroid                    |
| NEG  | 1998-08-20 |               | 0       |         |      |      |               | 38.799693            | -123.468785           | M 11N 14W<br>18 | Section centroid                    |
| NEG  | 1998-08-27 |               | 0       |         |      |      |               | 38.799693            | -123.468785           | M 11N 14W<br>18 | Section centroid                    |
| NEG  | 1998-08-27 |               | 0       |         |      |      |               | 38.800699            | -123.487242           | M 11N 15W<br>13 | Section centroid                    |
| NEG  | 1999-03-29 | 2009-<br>2019 | 0       |         |      |      |               | 38.803014            | -123.474921           | M 11N 14W<br>18 | Contributor                         |
| NEG  | 1999-05-22 | 1600          | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid                    |
| NEG  | 1999-06-17 | 1600          | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid                    |
| POS  | 2000-06-27 | 2334          | 1       | UU      |      |      |               | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section centroid            |
| NEG  | 2002-03-06 | 2137          | 0       |         |      |      |               | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid                    |
| POS  | 2002-04-10 | 2201          | 1       | UM      |      |      |               | 38.800318            | -123.483186           | M 11N 15W<br>13 | Contributor                         |
| POS  | 2002-04-10 | 2142          | 1       | UF      |      |      |               | 38.791161            | -123.486695           | M 11N 15W<br>24 | Contributor                         |
| NEG  | 2002-04-11 | 1430          | 0       |         |      |      |               | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section centroid            |
| AC   | 2002-05-14 | 1500          | 2       | UMUF    | Υ    |      |               | 38.798709            | -123.480809           | M 11N 15W<br>13 | Contributor                         |
| POS  | 2002-05-15 | 1300          | 1       | UM      |      |      |               | 38.800465            | -123.483006           | M 11N 15W<br>13 | Half-section centroid               |
| POS  | 2002-05-15 | 1300          | 1       | UM      |      |      |               | 38.804149            | -123.483060           | M 11N 15W<br>13 | Quarter-section centroid            |
| NEG  | 2003-04-10 | 1725-<br>1925 | 0       |         |      | 56   | 60<br>Pogo 26 | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 2003-05-15 | 1705          | 0       |         |      |      |        | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section centroid |
| NEG  | 2003-06-10 | 1800-<br>2020 | 0       |         |      |      |        | 38.796779            | -123.482953           | M 11N 15W<br>13 | Quarter-section centroid |
| NEG  | 2006       |               | 0       |         |      |      |        | 38.798709            | -123.480809           | M 11N 15W<br>13 | Activity center          |
| NEG  | 2011-03-04 | 2227-<br>2237 | 0       |         |      |      |        | 38.803014            | -123.474921           | M 11N 14W<br>18 | Contributor              |
| NEG  | 2011-03-04 | 2213-<br>2223 | 0       |         |      |      |        | 38.803358            | -123.486652           | M 11N 15W<br>13 | Contributor              |
| NEG  | 2011-04-01 | 2230-<br>2240 | 0       |         |      |      |        | 38.803358            | -123.486652           | M 11N 15W<br>13 | Contributor              |
| NEG  | 2011-04-03 | 1859-<br>1909 | 0       |         |      |      |        | 38.803014            | -123.474921           | M 11N 14W<br>18 | Contributor              |
| POS  | 2011-05-12 | 1615-<br>1630 | 2       | UMUF    | Y    |      |        | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.791490            | -123.470585           | M 11N 14W<br>19 | Contributor              |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.798537            | -123.470552           | M 11N 14W<br>18 | Contributor              |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.791161            | -123.486695           | M 11N 15W<br>24 | Contributor              |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.800699            | -123.487242           | M 11N 15W<br>13 | Contributor              |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.790009            | -123.478609           | M 11N 15W<br>24 | Contributor              |
| POS  | 2012-03-10 | 1700-<br>1830 | 2       | UMUF    | Υ    |      |        | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 2012-03-25 | 1915-<br>1940 | 0       |         |      |      |        | 38.800318            | -123.483186           | M 11N 15W<br>13 | Contributor              |
| POS  | 2012-04-27 | 1815-<br>1915 | 2       | UMUF    | Υ    |      |        | 38.800499            | -123.487642           | M 11N 15W<br>13 | Section centroid         |
| NEG  | 2013       | 2400          | 0       |         |      | 5    | 61_    | 38.798537            | -123.470552           | M 11N 14W<br>18 | Contributor              |

| Туре     | Date            | Time          | #Adults  | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|----------|-----------------|---------------|----------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG      | 2013            | 2400          | 0        |         |      |      |        | 38.791161            | -123.486695           | M 11N 15W<br>24 | Contributor              |
| NEG      | 2013-03-08      | 1936-<br>1946 | 0        |         |      |      |        | 38.790009            | -123.478609           | M 11N 15W<br>24 | Contributor              |
| POS      | 2013-03-08      | 1915-<br>1925 | 1        | UU      |      |      |        | 38.791490            | -123.470585           | M 11N 14W<br>19 | Contributor              |
| POS      | 2013-03-08      | 1715-<br>1718 | 2        | UMUF    | Y    |      |        | 38.800318            | -123.483186           | M 11N 15W<br>13 | Contributor              |
| NEG      | 2013-04-19      | 2327-<br>2337 | 0        |         |      |      |        | 38.790009            | -123.478609           | M 11N 15W<br>24 | Contributor              |
| NEG      | 2013-04-19      | 2249-<br>2259 | 0        |         |      |      |        | 38.791490            | -123.470585           | M 11N 14W<br>19 | Contributor              |
| NEG      | 2013-04-27      | 0206-<br>0216 | 0        |         |      |      |        | 38.791490            | -123.470585           | M 11N 14W<br>19 | Contributor              |
| POS      | 2013-04-27      | 0245-<br>0255 | 1        | UU      |      |      |        | 38.790009            | -123.478609           | M 11N 15W<br>24 | Contributor              |
| NEG      | 2013-05-26      | 0204-<br>0214 | 0        |         |      |      |        | 38.790009            | -123.478609           | M 11N 15W<br>24 | Contributor              |
| NEG      | 2013-06-03      | 0226-<br>0236 | 0        |         |      |      |        | 38.790009            | -123.478609           | M 11N 15W<br>24 | Contributor              |
| NEG      | 2013-07-06      | 0309-<br>0319 | 0        |         |      |      |        | 38.790009            | -123.478609           | M 11N 15W<br>24 | Contributor              |
| POS      | 2013-07-10      | 0830-<br>0945 | 2        | UMUF    | Y    |      |        | 38.799693            | -123.468785           | M 11N 14W<br>18 | Section centroid         |
| POS      | 2014            |               | 2        | UMUF    | Y    |      |        | 38.798709            | -123.480809           | M 11N 15W<br>13 | Activity center          |
| Masterov | vl: SON0017 Sul | bspecies: N   | IORTHERN |         |      |      |        |                      |                       |                 |                          |
| POS      | 1990-02-02      |               | 1        | UU      |      |      |        | 38.773615            | -123.463826           | M 11N 14W<br>30 | Quarter-section centroid |
| POS      | 1990-02-07      |               | 1        | UM      |      |      |        | 38.766342            | -123.464101           | M 11N 14W<br>30 | Quarter-section centroid |
| POS      | 1990-03-21      |               | 2        | UMUF    | Υ    | Υ    |        | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| POS  | 1990-04-04 | 1700 | 1       | UM      |      |      |        | 38.768549            | -123.470988           | M 11N 14W<br>30 | Contributor              |
| POS  | 1990-06-17 | 2045 | 0       |         |      |      | 2      | 38.773390            | -123.454662           | M 11N 14W<br>29 | Quarter-section centroid |
| NEG  | 1991-04-23 |      | 0       |         |      |      |        | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| POS  | 1991-04-24 | 2010 | 2       | UMUF    | Υ    |      |        | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid |
| POS  | 1991-05-21 |      | 1       | UU      |      |      |        | 38.773390            | -123.454662           | M 11N 14W<br>29 | Quarter-section centroid |
| POS  | 1991-07-17 |      | 1       | UU      |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| POS  | 1991-07-17 | 9999 | 1       | UU      |      |      |        | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| POS  | 1991-07-17 | 9999 | 1       | UU      |      |      |        | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| POS  | 1991-08-07 |      | 1       | UU      |      |      |        | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid |
| POS  | 1991-08-07 |      | 1       | UU      |      |      |        | 38.767528            | -123.482860           | M 11N 15W<br>25 | Quarter-section centroid |
| POS  | 1991-08-15 | 2040 | 1       | UU      |      |      |        | 38.767528            | -123.482860           | M 11N 15W<br>25 | Quarter-section centroid |
| POS  | 1991-10-02 |      | 1       | UU      |      |      |        | 38.767528            | -123.482860           | M 11N 15W<br>25 | Quarter-section centroid |
| NEG  | 1992-03-10 |      | 0       |         |      |      |        | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| POS  | 1992-03-24 |      | 2       | UUUU    |      |      |        | 38.773390            | -123.454662           | M 11N 14W<br>29 | Quarter-section centroid |
| NEG  | 1992-03-31 |      | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid         |
| POS  | 1992-04-25 |      | 2       | UMUF    | Υ    |      |        | 38.773390            | -123.454662           | M 11N 14W<br>29 | Quarter-section centroid |
| POS  | 1992-05-01 |      | 2       | UMUF    |      | 5    | 63     | 38.769964            | -123.450450           | M 11N 14W<br>29 | Section centroid         |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young  | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|---------|----------------------|-----------------------|-----------------|--------------------------|
| POS  | 1992-05-01 | 9999 | 2       | UMUF    |      |      |         | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| NEG  | 1992-05-12 |      | 0       |         |      |      |         | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| NEG  | 1992-05-15 |      | 0       |         |      |      |         | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| NEG  | 1992-07-09 |      | 0       |         |      |      |         | 38.769964            | -123.450450           | M 11N 14W<br>29 | Section centroid         |
| POS  | 1993-01-02 |      | 1       | UU      |      |      |         | 38.774809            | -123.482748           | M 11N 15W<br>25 | Quarter-section centroid |
| NEG  | 1993-03-22 |      | 0       |         |      |      |         | 38.784897            | -123.468539           | M 11N 14W<br>19 | Section centroid         |
| NEG  | 1993-04-28 |      | 0       |         |      |      |         | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| POS  | 1993-05-05 |      | 1       | UU      |      |      |         | 38.773615            | -123.463826           | M 11N 14W<br>30 | Quarter-section centroid |
| NEG  | 1993-06-16 |      | 0       |         |      |      |         | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| NEG  | 1993-06-23 |      | 0       |         |      |      |         | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| POS  | 1994-01-19 | 1723 | 2       | UMUF    | Υ    |      |         | 38.768981            | -123.475595           | M 11N 14W<br>30 | Contributor              |
| POS  | 1994-03-03 |      | 1       | UU      |      |      |         | 38.768981            | -123.475595           | M 11N 14W<br>30 | Contributor              |
| NEG  | 1994-03-24 |      | 0       |         |      |      |         | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| POS  | 1994-04-01 |      | 1       | UM      |      |      |         | 38.768981            | -123.475595           | M 11N 14W<br>30 | Contributor              |
| NEG  | 1994-04-06 |      | 0       |         |      |      |         | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| POS  | 1994-04-27 |      | 2       | UMUF    | Υ    |      |         | 38.768981            | -123.475595           | M 11N 14W<br>30 | Contributor              |
| POS  | 1995-03-30 |      | 2       | UMUF    | Υ    | E    | 64      | 38.768549            | -123.470988           | M 11N 14W<br>30 | Contributor              |
|      |            |      |         |         |      | 5    | Dama 00 |                      |                       |                 | 7710                     |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|-------------------------------------|
| NEG  | 1995-04-10 |      | 0       |         |      |      |               | 38.769964            | -123.450450           | M 11N 14W<br>29 | Section centroid                    |
| POS  | 1995-04-20 |      | 1       | UU      |      |      |               | 38.768549            | -123.470988           | M 11N 14W<br>30 | Contributor                         |
| NEG  | 1995-05-04 |      | 0       |         |      |      |               | 38.784113            | -123.450136           | M 11N 14W<br>20 | Section centroid                    |
| POS  | 1995-05-10 | 9999 | 1       | UU      |      |      |               | 38.773615            | -123.463826           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 1995-05-10 |      | 1       | UU      |      |      |               | 38.780545            | -123.454511           | M 11N 14W<br>20 | Quarter-section centroid            |
| POS  | 1995-05-11 |      | 2       | UMUF    | Υ    | Υ    |               | 38.768981            | -123.475595           | M 11N 14W<br>30 | Contributor                         |
| NEG  | 1995-05-18 |      | 0       |         |      |      |               | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid                    |
| NEG  | 1995-05-25 |      | 0       |         |      |      |               | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid                    |
| POS  | 1995-05-29 |      | 2       | UMUF    | Υ    |      |               | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid                    |
| POS  | 1995-06-01 | 0925 | 2       | UMUF    | Υ    | Υ    |               | 38.768981            | -123.475595           | M 11N 14W<br>30 | Contributor                         |
| POS  | 1995-07-06 |      | 2       | UMUF    | Υ    | Υ    | 1             | 38.768981            | -123.475595           | M 11N 14W<br>30 | Contributor                         |
| POS  | 1995-09-18 |      | 1       | UU      |      |      |               | 38.773604            | -123.445765           | M 11N 14W<br>29 | Quarter-section centroid            |
| NEG  | 1996-02-26 |      | 0       |         |      |      |               | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid                    |
| POS  | 1996-03-03 |      | 1       | UU      |      |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 1996-03-04 |      | 1       | UU      |      |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| NEG  | 1996-03-13 | 0937 | 0       |         |      |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 1996-03-17 |      | 2       | UMUF    | Υ    | 5    | 65<br>Pogo 21 | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young         | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|------|---------|---------|------|------|----------------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 1996-03-18 |      | 2       | UMUF    | Υ    |      |                | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 1996-05-09 |      | 1       | UU      |      |      |                | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| NEG  | 1996-06-30 |      | 0       |         |      |      |                | 38.769964            | -123.450450           | M 11N 14W<br>29 | Section centroid                    |
| NEG  | 1996-06-30 |      | 0       |         |      |      |                | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid                    |
| NEG  | 1996-08-05 |      | 0       |         |      |      |                | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid                    |
| POS  | 1997-03-03 |      | 2       | UMUF    |      |      |                | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 1997-04-14 |      | 2       | UMUF    | Y    | Υ    |                | 38.768549            | -123.470988           | M 11N 14W<br>30 | Contributor                         |
| NEG  | 1997-04-29 |      | 0       |         |      |      |                | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| POS  | 1997-05-27 |      | 2       | UMUF    | Y    |      |                | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| NEG  | 1997-06-10 |      | 0       |         |      |      |                | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| NEG  | 1997-06-17 |      | 0       |         |      |      |                | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| POS  | 1997-07-01 |      | 1       | UU      |      |      |                | 38.767528            | -123.482860           | M 11N 15W<br>25 | Quarter-section centroid            |
| POS  | 1997-07-01 | 9999 | 1       | UU      |      |      |                | 38.759878            | -123.473693           | M 11N 14W<br>31 | Quarter-section centroid            |
| POS  | 1997-07-22 |      | 1       | UU      |      |      |                | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 1998-03-03 |      | 2       | UMUF    | Υ    |      |                | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 1998-04-28 |      | 2       | UMUF    | Υ    |      |                | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 1998-06-09 |      | 1       | UU      |      | 5    | 566<br>Dama 22 | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young     | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|------------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1998-07-13 |      | 0       |         |      |      |            | 38.769964            | -123.450450           | M 11N 14W<br>29 | Section centroid         |
| NEG  | 1998-07-20 |      | 0       |         |      |      |            | 38.769964            | -123.450450           | M 11N 14W<br>29 | Section centroid         |
| POS  | 1998-07-24 |      | 1       | UM      |      |      |            | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid |
| POS  | 1998-07-29 |      | 2       | UMUF    | Υ    |      |            | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid |
| NEG  | 1998-08-13 |      | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1998-08-20 |      | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1998-08-27 |      | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999       | 2400 | 0       |         |      |      |            | 38.771384            | -123.457321           | M 11N 14W<br>29 | Contributor              |
| NEG  | 1999       | 2400 | 0       |         |      |      |            | 38.775071            | -123.448740           | M 11N 14W<br>29 | Contributor              |
| POS  | 1999-03-15 | 1753 | 2       | UMUF    | Υ    |      |            | 38.771723            | -123.474797           | M 11N 14W<br>30 | Contributor              |
| NEG  | 1999-03-17 | 0015 | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999-03-19 | 1926 | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999-03-28 | 2250 | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999-04-07 | 2025 | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999-04-08 | 2233 | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999-04-14 | 2255 | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999-04-21 | 2058 | 0       |         |      | 50   | 67<br>D 00 | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|---------------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 1999-04-21 | 1601-<br>1646 | 2       | UMUF    | Υ    |      |               | 38.769832            | -123.474835           | M 11N 14W<br>30 | Contributor                         |
| POS  | 1999-04-23 | 2153          | 1       | UM      |      |      |               | 38.760569            | -123.475284           | M 11N 14W<br>31 | Contributor                         |
| NEG  | 1999-05-01 | 2334          | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| NEG  | 1999-05-14 | 2212          | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| POS  | 1999-05-20 | 2356          | 2       | UMUF    | Υ    |      |               | 38.767528            | -123.482860           | M 11N 15W<br>25 | Quarter-section centroid            |
| NEG  | 1999-05-21 | 2327          | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| NEG  | 1999-06-02 | 2216          | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| NEG  | 1999-06-03 | 2304          | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| NEG  | 2000       | 2400          | 0       |         |      |      |               | 38.771384            | -123.457321           | M 11N 14W<br>29 | Contributor                         |
| NEG  | 2000       | 2400          | 0       |         |      |      |               | 38.775071            | -123.448740           | M 11N 14W<br>29 | Contributor                         |
| NEG  | 2000-03-04 | 1505          | 0       |         |      |      |               | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center                     |
| POS  | 2000-03-11 | 0920          | 1       | UU      |      |      |               | 38.774344            | -123.473236           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 2000-03-13 | 2200          | 1       | ИМ      |      |      |               | 38.773615            | -123.463826           | M 11N 14W<br>30 | Quarter-section centroid            |
| POS  | 2000-03-14 | 1101          | 2       | UMUF    | Υ    |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid            |
| NEG  | 2000-03-30 | 1943          | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| POS  | 2000-03-31 | 1333-<br>1442 | 2       | UMUF    | Υ    |      |               | 38.774862            | -123.461222           | M 11N 14W<br>30 | Contributor                         |
| POS  | 2000-03-31 | 1045          | 2       | UMUF    | Υ    | 5    | 68<br>Pogo 24 | 38.773615            | -123.463826           | M 11N 14W<br>30 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source             |
|------|------------|---------------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|----------------------------------|
| POS  | 2000-04-03 | 2307          | 1       | UU      |      |      |               | 38.767678            | -123.492242           | M 11N 15W<br>25 | Quarter-section centroid         |
| POS  | 2000-04-18 | 1854          | 1       | UM      |      |      |               | 38.759343            | -123.474495           | M 11N 14W<br>31 | Contributor                      |
| POS  | 2000-04-18 | 1957          | 1       | UF      |      |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid         |
| POS  | 2000-04-18 | 1928          | 1       | UF      |      |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid         |
| NEG  | 2000-04-28 | 1500          | 0       |         |      |      |               | 38.769964            | -123.450450           | M 11N 14W<br>29 | Section centroid                 |
| POS  | 2000-06-06 | 2406          | 1       | UU      |      |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid         |
| POS  | 2001-03-11 | 1216          | 2       | UMUF    | Υ    |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid         |
| NEG  | 2001-03-14 | 2150          | 0       |         |      |      |               | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid                 |
| NEG  | 2001-03-15 | 2258          | 0       |         |      |      |               | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid         |
| NEG  | 2001-04-18 | 1330          | 0       |         |      |      |               | 38.769964            | -123.450450           | M 11N 14W<br>29 | Section centroid                 |
| AC   | 2001-05-05 | 1615          | 2       | UMUF    | Υ    | Y    |               | 38.768938            | -123.476506           | M 11N 14W<br>30 | Contributor                      |
| POS  | 2001-05-08 | 2222          | 1       | UM      |      |      |               | 38.751048            | -123.475289           | M 11N 14W<br>31 | Contributor                      |
| NEG  | 2001-05-16 | 2240          | 0       |         |      |      |               | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid                 |
| NEG  | 2002-03-05 | 1425-<br>1640 | 0       |         |      |      |               | 38.773615            | -123.463826           | M 11N 14W<br>30 | Quarter-section centroid         |
| POS  | 2002-03-05 | 1340          | 1       | UU      |      |      |               | 38.769832            | -123.474835           | M 11N 14W<br>30 | Contributor                      |
| POS  | 2002-03-13 | 2346          | 1       | UM      |      |      |               | 38.771384            | -123.457321           | M 11N 14W<br>29 | Contributor                      |
| NEG  | 2002-03-14 | 1325-<br>1650 | 0       |         |      | 5    | 69<br>Daga 25 | 38.773497            | -123.450212           | M 11N 14W<br>29 | Half-section<br>centroid<br>7/16 |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young         | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|---------------|---------|---------|------|------|----------------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 2002-03-14 | 1400-<br>1700 | 0       |         |      |      |                | 38.773615            | -123.463826           | M 11N 14W<br>30 | Quarter-section centroid |
| NEG  | 2002-03-15 | 2002          | 0       |         |      |      |                | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| POS  | 2002-04-06 | 1211-<br>1238 | 2       | UMUF    | Υ    | N    |                | 38.769832            | -123.474835           | M 11N 14W<br>30 | Contributor              |
| POS  | 2002-04-11 | 2113          | 1       | ИМ      |      |      |                | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor              |
| NEG  | 2002-04-23 | 1530-<br>1800 | 0       |         |      |      |                | 38.773615            | -123.463826           | M 11N 14W<br>30 | Quarter-section centroid |
| POS  | 2003-03-04 | 2024          | 1       | ИМ      |      |      |                | 38.756052            | -123.479172           | M 11N 15W<br>36 | Contributor              |
| POS  | 2003-03-09 | 1435-<br>1557 | 2       | UMUF    | Υ    |      |                | 38.768569            | -123.476942           | M 11N 14W<br>30 | Contributor              |
| POS  | 2003-05-13 | 1635-<br>1714 | 1       | UU      |      |      |                | 38.768672            | -123.477129           | M 11N 14W<br>30 | Contributor              |
| POS  | 2003-05-14 | 1838-<br>1907 | 2       | UMUF    | Υ    |      |                | 38.776563            | -123.460283           | M 11N 14W<br>30 | Contributor              |
| NEG  | 2003-07-21 | 2238          | 0       |         |      |      |                | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid         |
| NEG  | 2004-04-06 | 1530          | 0       |         |      |      |                | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| POS  | 2004-04-13 | 1710-<br>1730 | 1       | UU      |      |      |                | 38.769832            | -123.474835           | M 11N 14W<br>30 | Contributor              |
| NEG  | 2004-05-20 | 2010          | 0       |         |      |      |                | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| NEG  | 2005-03-13 | 1235          | 0       |         |      |      |                | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| NEG  | 2005-07-08 | 1840          | 0       |         |      |      |                | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| POS  | 2005-07-25 | 2000          | 2       | UMUF    |      |      |                | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| NEG  | 2005-07-26 | 1400          | 0       |         |      |      | 70             | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
|      |            |               |         |         |      | 5    | 70<br>De ma 20 |                      |                       |                 | 7/16                     |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 2005-07-27 | 1830          | 0       |         |      |      |        | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| POS  | 2006       |               | 2       | UMUF    | Υ    |      |        | 38.756266            | -123.477812           | M 11N 14W<br>31 | Contributor              |
| NEG  | 2006-03-30 | 1400          | 0       |         |      |      |        | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| NEG  | 2006-04-05 | 1300          | 0       |         |      |      |        | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| POS  | 2006-06-02 | 1300          | 1       | UF      |      |      |        | 38.766541            | -123.477305           | M 11N 14W<br>30 | Activity center          |
| POS  | 2006-06-03 | 1230          | 2       | UMUF    | Υ    |      |        | 38.756266            | -123.477812           | M 11N 14W<br>31 | Contributor              |
| NEG  | 2007       |               | 0       |         |      |      |        | 38.768938            | -123.476506           | M 11N 14W<br>30 | Activity center          |
| POS  | 2008-03-27 | 0021          | 2       | AMAF    | Υ    |      |        | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid |
| POS  | 2008-04-01 | 2325          | 2       | AMAF    | Υ    |      |        | 38.766541            | -123.477305           | M 11N 14W<br>30 | Contributor              |
| POS  | 2008-05-20 | 1933          | 2       | AMAF    | Υ    | N    |        | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid |
| POS  | 2009-04-11 | 2257          | 1       | AM      |      |      |        | 38.767034            | -123.473487           | M 11N 14W<br>30 | Quarter-section centroid |
| POS  | 2010       |               | 2       | UMUF    | Υ    |      |        | 38.768938            | -123.476506           | M 11N 14W<br>30 | Activity center          |
| NEG  | 2011       | 2400          | 0       |         |      |      |        | 38.751819            | -123.488838           | M 11N 15W<br>36 | Contributor              |
| POS  | 2011-03-06 | 1934-<br>1949 | 2       | UMUF    | Υ    |      |        | 38.770640            | -123.477159           | M 11N 14W<br>30 | Contributor              |
| NEG  | 2011-03-06 | 1957-<br>2007 | 0       |         |      |      |        | 38.760569            | -123.475284           | M 11N 14W<br>31 | Contributor              |
| NEG  | 2011-03-06 | 1857-<br>1907 | 0       |         |      |      |        | 38.775640            | -123.474278           | M 11N 14W<br>30 | Contributor              |
| NEG  | 2011-04-02 | 2114-<br>2124 | 0       |         |      | 5    | 71     | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor              |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2011-04-02 | 2059-<br>2109 | 0       |         |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| POS  | 2011-04-03 | 1930-<br>1934 | 1       | UF      |      |      |        | 38.775640            | -123.474278           | M 11N 14W<br>30 | Contributor          |
| POS  | 2011-04-04 | 1630-<br>1800 | 2       | UMUF    | Υ    |      |        | 38.756103            | -123.469053           | M 11N 14W<br>31 | Section centroid     |
| NEG  | 2011-05-12 | 2257-<br>2307 | 0       |         |      |      |        | 38.775640            | -123.474278           | M 11N 14W<br>30 | Contributor          |
| NEG  | 2011-05-13 | 2257-<br>2307 | 0       |         |      |      |        | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2011-05-13 | 2244-<br>2254 | 0       |         |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| POS  | 2011-06-05 | 2343-<br>2355 | 2       | UMUF    | Υ    |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2011-06-05 | 0002-<br>0012 | 0       |         |      |      |        | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2011-06-12 | 0059-<br>0109 | 0       |         |      |      |        | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor          |
| POS  | 2011-06-12 | 0113-<br>0125 | 1       | UU      |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| POS  | 2011-06-21 | 2117-<br>2120 | 1       | UU      |      |      |        | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor          |
| POS  | 2011-06-29 | 2144-<br>2148 | 1       | UU      |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2011-06-29 | 2127-<br>2137 | 0       |         |      |      |        | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.761477            | -123.494327           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.751819            | -123.488838           | M 11N 15W<br>36 | Contributor          |
| POS  | 2012-03-07 | 2118-<br>2128 | 1       | UM      |      | 5    | 72     | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2012-03-07 | 2019-<br>2029 | 0       |         |      |      |        | 38.775640            | -123.474278           | M 11N 14W<br>30 | Contributor          |
| POS  | 2012-03-26 | 1300-<br>1430 | 2       | UMUF    | Υ    |      |        | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid     |
| POS  | 2012-03-29 | 2356-<br>0006 | 1       | UU      |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2012-04-27 | 2225-<br>2235 | 0       |         |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| POS  | 2012-06-29 | 0001-<br>0011 | 1       | UM      |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2012-07-06 | 0213-<br>0223 | 0       |         |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.756052            | -123.479172           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.766429            | -123.487526           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.760569            | -123.475284           | M 11N 14W<br>31 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.751819            | -123.488838           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.761477            | -123.494327           | M 11N 15W<br>36 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.757367            | -123.487494           | M 11N 15W<br>36 | Contributor          |
| POS  | 2013-03-05 | 0930-<br>0935 | 1       | UF      |      |      |        | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid     |
| POS  | 2013-03-08 | 2157-<br>2207 | 1       | UU      |      |      |        | 38.770640            | -123.477159           | M 11N 14W<br>30 | Contributor          |
| NEG  | 2013-03-08 | 2127-<br>2137 | 0       |         |      |      |        | 38.775640            | -123.474278           | M 11N 14W<br>30 | Contributor          |
| POS  | 2013-04-19 | 2148-<br>2158 | 2       | UMUF    | Υ    | 5    | 73     | 38.770640            | -123.477159           | M 11N 14W<br>30 | Contributor          |

| Туре     | Date           | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|----------|----------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| POS      | 2013-04-24     | 0805-<br>0930 | 1       | UU      |      |      |        | 38.770325            | -123.468628           | M 11N 14W<br>30 | Section centroid     |
| POS      | 2013-07-06     | 0159-<br>0209 | 1       | UM      |      |      |        | 38.775640            | -123.474278           | M 11N 14W<br>30 | Contributor          |
| NEG      | 2013-07-06     | 0130-<br>0140 | 0       |         |      |      |        | 38.770640            | -123.477159           | M 11N 14W<br>30 | Contributor          |
| POS      | 2014           |               | 1       | UM      |      |      |        | 38.768938            | -123.476506           | M 11N 14W<br>30 | Activity center      |
| POS      | 2015           |               | 1       | UU      |      |      |        | 38.769820            | -123.474509           | M 11N 14W<br>30 | Activity center      |
| NEG      | 2020           | 2400          | 0       |         |      |      |        | 38.766370            | -123.473300           | M 11N 14W<br>30 | Contributor          |
| NEG      | 2020           | 2400          | 0       |         |      |      |        | 38.760569            | -123.475284           | M 11N 14W<br>31 | Contributor          |
| NEG      | 2020           | 2400          | 0       |         |      |      |        | 38.756052            | -123.479172           | M 11N 15W<br>36 | Contributor          |
| NEG      | 2021           | 2400          | 0       |         |      |      |        | 38.761461            | -123.484415           | M 11N 15W<br>36 | Contributor          |
| NEG      | 2021           | 2400          | 0       |         |      |      |        | 38.770640            | -123.477159           | M 11N 14W<br>30 | Contributor          |
| NEG      | 2021           | 2400          | 0       |         |      |      |        | 38.769350            | -123.466620           | M 11N 14W<br>30 | Contributor          |
| NEG      | 2021           | 2400          | 0       |         |      |      |        | 38.756052            | -123.479172           | M 11N 15W<br>36 | Contributor          |
| NEG      | 2021           | 2400          | 0       |         |      |      |        | 38.760569            | -123.475284           | M 11N 14W<br>31 | Contributor          |
| NEG      | 2021           | 2400          | 0       |         |      |      |        | 38.766370            | -123.473300           | M 11N 14W<br>30 | Contributor          |
| NEG      | 2021           | 2400          | 0       |         |      |      |        | 38.757367            | -123.487494           | M 11N 15W<br>36 | Contributor          |
| Masterov | wl: SON0082 Su | bspecies: N   | ORTHERN |         |      |      |        |                      |                       |                 |                      |
| POS      | 1990-02-12     | 2001          | 1       | UM      |      |      |        | 38.768549            | -123.470988           | M 11N 14W<br>30 | Contributor          |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| POS  | 1993-01-11 |      | 1       | UU      |      |      |        | 38.775076            | -123.492350           | M 11N 15W<br>25 | Quarter-section centroid |
| POS  | 1995-04-02 |      | 1       | UU      |      |      |        | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| POS  | 1995-04-17 |      | 1       | UU      |      |      |        | 38.767968            | -123.510776           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 1995-04-23 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1995-05-02 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 1995-05-04 |      | 2       | UMUF    | Υ    |      |        | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 1995-05-10 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 1995-05-26 |      | 1       | UU      |      |      |        | 38.775076            | -123.492350           | M 11N 15W<br>25 | Quarter-section centroid |
| POS  | 1995-05-26 |      | 2       | UMUF    | Υ    |      |        | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 1995-05-29 |      | 0       |         |      |      |        | 38.775076            | -123.492350           | M 11N 15W<br>25 | Quarter-section centroid |
| NEG  | 1995-06-29 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1995-07-11 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 1995-07-18 |      | 1       | UU      |      |      |        | 38.775270            | -123.501745           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 1995-07-19 | 1200 | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1995-11-10 | 1809 | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 1996-03-03 |      | 1       | UU      |      |      |        | 38.767968            | -123.510776           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 1996-03-06 | 2110 | 0       |         |      | 5    | 75     | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid         |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young     | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|------------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1996-03-14 | 0515 | 0       |         |      |      |            | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid         |
| POS  | 1996-03-14 | 0616 | 2       | UMUF    | Υ    |      |            | 38.765244            | -123.507338           | M 11N 15W<br>26 | Contributor              |
| NEG  | 1996-03-22 |      | 0       |         |      |      |            | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid         |
| POS  | 1996-04-29 |      | 1       | UU      |      |      |            | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 1996-05-02 |      | 0       |         |      |      |            | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 1996-05-09 |      | 1       | UU      |      |      |            | 38.767968            | -123.510776           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 1996-05-13 |      | 0       |         |      |      |            | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1996-05-20 |      | 0       |         |      |      |            | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1996-05-30 |      | 0       |         |      |      |            | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 1996-06-06 |      | 1       | UF      |      |      |            | 38.775847            | -123.520376           | M 11N 15W<br>27 | Quarter-section centroid |
| NEG  | 1996-06-07 | 1200 | 0       |         |      |      |            | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid         |
| NEG  | 1996-06-16 |      | 0       |         |      |      |            | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1996-06-17 |      | 0       |         |      |      |            | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1996-07-10 |      | 0       |         |      |      |            | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1996-08-30 |      | 0       |         |      |      |            | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid         |
| NEG  | 1997-03-03 |      | 0       |         |      |      |            | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1997-03-10 |      | 0       |         |      | 57   | 76<br>D 40 | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1997-04-08 |      | 0       |         |      |      |        | 38.757230            | -123.505889           | M 11N 15W<br>35 | Section centroid         |
| NEG  | 1997-04-09 |      | 0       |         |      |      |        | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid         |
| NEG  | 1997-04-09 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1997-04-29 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1997-05-02 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1997-05-08 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1997-06-10 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1997-06-17 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1997-06-26 |      | 0       |         |      |      |        | 38.757230            | -123.505889           | M 11N 15W<br>35 | Section centroid         |
| NEG  | 1997-07-01 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1998-04-09 |      | 0       |         |      |      |        | 38.757230            | -123.505889           | M 11N 15W<br>35 | Section centroid         |
| NEG  | 1998-04-15 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1998-04-16 |      | 0       |         |      |      |        | 38.757230            | -123.505889           | M 11N 15W<br>35 | Section centroid         |
| NEG  | 1998-04-24 |      | 0       |         |      |      |        | 38.757230            | -123.505889           | M 11N 15W<br>35 | Section centroid         |
| POS  | 1998-05-13 |      | 1       | UM      |      |      |        | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 1998-05-18 |      | 0       |         |      |      |        | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid         |
| NEG  | 1998-06-02 |      | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
|      |            |      |         |         |      | 5    | 77     |                      |                       |                 | 7/16                     |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young        | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|------|---------|---------|------|------|---------------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 1998-06-03 |      | 0       |         |      |      |               | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid     |
| NEG  | 1998-07-28 |      | 0       |         |      |      |               | 38.772158            | -123.525161           | M 11N 15W<br>27 | Section centroid     |
| NEG  | 1999-03-15 | 0015 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-03-17 | 0015 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-03-19 | 1926 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-03-28 | 2250 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-04-08 | 2233 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-04-21 | 2058 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-04-24 | 2028 | 0       |         |      |      |               | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid     |
| NEG  | 1999-04-28 | 1700 | 0       |         |      |      |               | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid     |
| NEG  | 1999-05-01 | 2334 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-05-13 | 2046 | 0       |         |      |      |               | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid     |
| NEG  | 1999-05-14 | 2212 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| POS  | 1999-05-14 | 2052 | 1       | UM      |      |      |               | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid     |
| NEG  | 1999-05-20 | 2343 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-05-21 | 2327 | 0       |         |      |      |               | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid     |
| NEG  | 1999-06-01 | 2055 | 0       |         |      | 5    | 78<br>Dono 44 | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid     |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young           | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|------------------|----------------------|-----------------------|-----------------|--------------------------|
| NEG  | 1999-06-02 | 2216 | 0       |         |      |      |                  | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999-06-03 | 2304 | 0       |         |      |      |                  | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 1999-06-09 | 2055 | 0       |         |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 1999-08-29 | 2000 | 0       |         |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 2000       |      | 2       | UMUF    | Υ    |      |                  | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 2000-03-03 | 2000 | 0       |         |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-03-12 | 0732 | 0       |         |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-03-14 | 0026 | 0       |         |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-03-14 | 1902 | 0       |         |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-03-30 | 1943 | 0       |         |      |      |                  | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| POS  | 2000-04-03 | 2025 | 1       | UM      |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 2000-04-03 | 2247 | 1       | UU      |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 2000-04-03 | 1947 | 1       | UM      |      |      |                  | 38.775270            | -123.501745           | M 11N 15W<br>26 | Quarter-section centroid |
| POS  | 2000-04-04 | 1431 | 2       | UMUF    | Υ    |      |                  | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 2000-04-05 | 2052 | 0       |         |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-04-06 | 2015 | 0       |         |      |      |                  | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-04-07 | 1945 | 0       |         |      | 5    | 79<br>. Do so 45 | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |

| Туре | Date       | Time           | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|----------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| POS  | 2000-04-13 | 2100           | 1       | UM      |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 2000-04-14 | 2059           | 2       | UMUF    | Υ    |      |        | 38.775270            | -123.501745           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 2000-04-15 | 1050           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-04-18 | 2105           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-04-24 | 0030           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2000-06-04 | 2122           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS  | 2000-06-06 | 2352           | 1       | UM      |      |      |        | 38.767678            | -123.492242           | M 11N 15W<br>25 | Quarter-section centroid |
| POS  | 2000-06-29 | 1100           | 2       | UMUF    | Υ    |      |        | 38.772547            | -123.500126           | M 11N 15W<br>26 | Contributor              |
| NEG  | 2001-03-13 | 1933           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2001-03-15 | 1611           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2001-04-04 | 1730           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2001-04-19 | 1630           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2001-05-05 | 1145           | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG  | 2001-05-08 | 0313           | 0       |         |      |      |        | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 2001-05-16 | 0030           | 0       |         |      |      |        | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid         |
| NEG  | 2002-03-06 | 2002-03-<br>06 | 0       |         |      |      |        | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 2002-03-15 | 2002           | 0       |         |      | 5    | 80     | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |

| POS 2002-04-11 0041 1 UM 38.765786 -123.514210 M11N 15W 26 Contributor  NEG 2002-04-11 2101 0 38.771628 -123.506267 M11N 15W 26 Section centroid  POS 2002-04-12 0041 1 UF 38.767968 -123.510776 M11N 15W 26 Contributor  POS 2002-04-12 1125 1 UF 38.765987 -123.514497 M11N 15W 26 Contributor  NEG 2002-04-21 1050- 1305 0 38.767968 -123.510776 M11N 15W 26 Contributor  NEG 2002-04-22 0123 0 38.771628 -123.506267 M11N 15W 26 Section centroid  NEG 2002-04-22 0123 0 38.771628 -123.506267 M11N 15W 26 Section centroid | Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| NEG 2002-04-11 0041 1 0M 38.765786 -123.514210 26 Contributor  NEG 2002-04-11 2101 0 38.771628 -123.506267 M11N 15W 26 Section centroid  POS 2002-04-12 0041 1 UF 38.765987 -123.514497 M11N 15W 26 Contributor  NEG 2002-04-21 1050- 1305 0 38.767968 -123.510776 M11N 15W 26 Contributor  NEG 2002-04-22 0123 0 38.771628 -123.506267 M11N 15W 26 Contributor  NEG 2002-04-22 0123 0 38.771628 -123.506267 M11N 15W Section centroid                                                                                          | POS  | 2002-03-15 | 2033          | 1       | UM      |      |      |        | 38.771628            | -123.506267           |                 | Section centroid         |
| POS 2002-04-12 0041 1 UF 38.767968 -123.510776 M 11N 15W Quarter-section centroid  POS 2002-04-12 1125 1 UF 38.765987 -123.514497 M 11N 15W Contributor  NEG 2002-04-21 1050- 1305 0 38.767968 -123.510776 M 11N 15W Quarter-section centroid  NEG 2002-04-22 0123 0 38.771628 -123.506267 M 11N 15W Section centroid                                                                                                                                                                                                           | POS  | 2002-04-11 | 0041          | 1       | UM      |      |      |        | 38.765786            | -123.514210           |                 | Contributor              |
| POS 2002-04-12 0041 1 UF 38.765987 -123.510776 26 centroid  POS 2002-04-12 1125 1 UF 38.765987 -123.514497 M 11N 15W 26 Contributor  NEG 2002-04-21 1050- 1305 0 38.767968 -123.510776 M 11N 15W Quarter-section centroid  NEG 2002-04-22 0123 0 38.771628 -123.506267 M 11N 15W Section centroid                                                                                                                                                                                                                               | NEG  | 2002-04-11 | 2101          | 0       |         |      |      |        | 38.771628            | -123.506267           |                 | Section centroid         |
| NEG 2002-04-22 0123 0 38.771628 -123.510776 M 11N 15W Section centroid  NEG 2002-04-22 0123 0 38.771628 -123.506267 M 11N 15W Section centroid                                                                                                                                                                                                                                                                                                                                                                                  | POS  | 2002-04-12 | 0041          | 1       | UF      |      |      |        | 38.767968            | -123.510776           |                 |                          |
| NEG 2002-04-21 1305 0 38.767966 -123.510776 26 centroid  NEG 2002-04-22 0123 0 38.771628 -123.506267 M 11N 15W Section centroid                                                                                                                                                                                                                                                                                                                                                                                                 | POS  | 2002-04-12 | 1125          | 1       | UF      |      |      |        | 38.765987            | -123.514497           |                 | Contributor              |
| NEG 2002-04-22 0123 0 36.771626 -123.506267 26 Section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NEG  | 2002-04-21 | 1050-<br>1305 | 0       |         |      |      |        | 38.767968            | -123.510776           |                 |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NEG  | 2002-04-22 | 0123          | 0       |         |      |      |        | 38.771628            | -123.506267           |                 | Section centroid         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NEG  | 2002-04-22 | 0123          | 0       |         |      |      |        | 38.771628            | -123.506267           |                 | Section centroid         |
| POS 2002-04-30 0016 1 UU 38.770009 -123.502228 M 11N 15W Contributor                                                                                                                                                                                                                                                                                                                                                                                                                                                            | POS  | 2002-04-30 | 0016          | 1       | UU      |      |      |        | 38.770009            | -123.502228           |                 | Contributor              |
| NEG 2002-04-30 2149 0 38.771628 -123.506267 M 11N 15W Section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NEG  | 2002-04-30 | 2149          | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| NEG 2002-05-01 1230-<br>1400 0 38.767968 -123.510776 M 11N 15W Quarter-section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                         | NEG  | 2002-05-01 | 1230-<br>1400 | 0       |         |      |      |        | 38.767968            | -123.510776           | M 11N 15W<br>26 |                          |
| POS 2002-05-01 0016 1 UU 38.771628 -123.506267 M 11N 15W Section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                                       | POS  | 2002-05-01 | 0016          | 1       | UU      |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid         |
| POS 2002-05-05 1230 1 UM 38.767819 -123.501532 M 11N 15W Quarter-section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                               | POS  | 2002-05-05 | 1230          | 1       | UM      |      |      |        | 38.767819            | -123.501532           |                 |                          |
| NEG 2002-05-13 2349 0 38.771628 -123.506267 M 11N 15W Section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NEG  | 2002-05-13 | 2349          | 0       |         |      |      |        | 38.771628            | -123.506267           |                 | Section centroid         |
| NEG 2002-05-14 1300-<br>1633 0 38.767819 -123.501532 M 11N 15W Quarter-section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                         | NEG  | 2002-05-14 | 1300-<br>1633 | 0       |         |      |      |        | 38.767819            | -123.501532           |                 | Quarter-section centroid |
| NEG 2002-05-15 1312- 0 38.767819 -123.501532 M 11N 15W Quarter-section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NEG  | 2002-05-15 | 1312-<br>1523 | 0       |         |      |      |        | 38.767819            | -123.501532           | M 11N 15W<br>26 |                          |
| NEG 2002-08-30 1111 0 38.771320 -123.487547 M 11N 15W Section centroid                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NEG  | 2002-08-30 | 1111          | 0       |         |      | E    | 91     | 38.771320            | -123.487547           |                 | Section centroid         |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source                |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|-------------------------------------|
| POS  | 2003-03-04 | 1420-<br>1452 | 1       | UF      |      |      |        | 38.771698            | -123.503227           | M 11N 15W<br>26 | Contributor                         |
| NEG  | 2003-03-06 | 2023          | 0       |         |      |      |        | 38.785883            | -123.487589           | M 11N 15W<br>24 | Section centroid                    |
| POS  | 2003-03-08 | 1913          | 1       | UM      |      |      |        | 38.766296            | -123.487434           | M 11N 15W<br>25 | Contributor                         |
| NEG  | 2003-04-03 | 1540-<br>1630 | 0       |         |      |      |        | 38.767968            | -123.510776           | M 11N 15W<br>26 | Quarter-section centroid            |
| POS  | 2003-04-07 | 2214          | 1       | ИМ      |      |      |        | 38.784782            | -123.493778           | M 11N 15W<br>24 | Contributor                         |
| POS  | 2003-04-08 | 1536-<br>1550 | 1       | UU      |      |      |        | 38.769112            | -123.503789           | M 11N 15W<br>26 | Contributor                         |
| POS  | 2003-04-09 | 1745-<br>1830 | 1       | UF      |      |      |        | 38.769260            | -123.503613           | M 11N 15W<br>26 | Contributor                         |
| NEG  | 2003-04-10 | 2330          | 0       |         |      |      |        | 38.771320            | -123.487547           | M 11N 15W<br>25 | Section centroid                    |
| POS  | 2003-04-29 | 1901-<br>1942 | 1       | UU      |      |      |        | 38.769390            | -123.503854           | M 11N 15W<br>26 | Contributor                         |
| POS  | 2003-04-30 | 2350          | 1       | UF      |      |      |        | 38.771008            | -123.492923           | M 11N 15W<br>25 | Contributor                         |
| POS  | 2004-03-10 | 1440-<br>1535 | 2       | UMUF    | Υ    |      |        | 38.772132            | -123.502149           | M 11N 15W<br>26 | Contributor                         |
| POS  | 2004-05-20 | 1840          | 2       | AMAF    | Υ    | Υ    | 1      | 38.771471            | -123.505195           | M 11N 15W<br>26 | Contributor                         |
| POS  | 2005       |               | 1       | UU      |      | Υ    |        | 38.771471            | -123.505195           | M 11N 15W<br>26 | Contributor                         |
| POS  | 2005-06-09 | 1916          | 2       | UMUF    | Υ    | Υ    | 2      | 38.771471            | -123.505195           | M 11N 15W<br>26 | Contributor                         |
| AC   | 2006       |               | 1       | UU      |      | Υ    |        | 38.771471            | -123.505195           | M 11N 15W<br>26 | Contributor                         |
| POS  | 2006-04-07 | 1445-<br>1454 | 2       | UMUF    | Υ    |      |        | 38.771471            | -123.505195           | M 11N 15W<br>26 | Contributor                         |
| POS  | 2007-04-10 | 2154          | 1       | UM      |      | 5    | 582    | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section<br>centroid<br>7/16 |

| Туре | Date       | Time | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source     |
|------|------------|------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|--------------------------|
| POS  | 2007-05-15 | 0111 | 2       | UMUF    | Υ    |      |        | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| POS  | 2008-05-21 | 0056 | 1       | UU      |      |      |        | 38.767819            | -123.501532           | M 11N 15W<br>26 | Quarter-section centroid |
| NEG  | 2009       |      | 0       |         |      |      |        | 38.771471            | -123.505195           | M 11N 15W<br>26 | Activity center          |
| NEG  | 2010       |      | 0       |         |      |      |        | 38.771471            | -123.505195           | M 11N 15W<br>26 | Activity center          |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.777482            | -123.508707           | M 11N 15W<br>26 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.770009            | -123.502228           | M 11N 15W<br>26 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.771008            | -123.492923           | M 11N 15W<br>25 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.774406            | -123.516242           | M 11N 15W<br>27 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.772302            | -123.496673           | M 11N 15W<br>25 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.765786            | -123.514210           | M 11N 15W<br>26 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.776040            | -123.500132           | M 11N 15W<br>26 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.770021            | -123.512985           | M 11N 15W<br>26 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.777923            | -123.485538           | M 11N 15W<br>25 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.765077            | -123.502655           | M 11N 15W<br>26 | Contributor              |
| NEG  | 2011       | 2400 | 0       |         |      |      |        | 38.759479            | -123.502901           | M 11N 15W<br>35 | Contributor              |
| NEG  | 2012       | 2400 | 0       |         |      |      |        | 38.774406            | -123.516242           | M 11N 15W<br>27 | Contributor              |
| NEG  | 2012       | 2400 | 0       |         |      | 5    | 83     | 38.759479            | -123.502901           | M 11N 15W<br>35 | Contributor              |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.777923            | -123.485538           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.765786            | -123.514210           | M 11N 15W<br>26 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.770009            | -123.502228           | M 11N 15W<br>26 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.776040            | -123.500132           | M 11N 15W<br>26 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.777482            | -123.508707           | M 11N 15W<br>26 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.771008            | -123.492923           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.772302            | -123.496673           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.765077            | -123.502655           | M 11N 15W<br>26 | Contributor          |
| NEG  | 2012       | 2400          | 0       |         |      |      |        | 38.770021            | -123.512985           | M 11N 15W<br>26 | Contributor          |
| NEG  | 2012-03-28 | 1015-<br>1200 | 0       |         |      |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid     |
| NEG  | 2012-04-30 | 1830-<br>1930 | 0       |         |      |      |        | 38.771420            | -123.505189           | M 11N 15W<br>26 | Activity center      |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.776040            | -123.500132           | M 11N 15W<br>26 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.772302            | -123.496673           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.770009            | -123.502228           | M 11N 15W<br>26 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.771008            | -123.492923           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      |      |        | 38.777923            | -123.485538           | M 11N 15W<br>25 | Contributor          |
| NEG  | 2013       | 2400          | 0       |         |      | 5    | 84_    | 38.774406            | -123.516242           | M 11N 15W<br>27 | Contributor          |

| Туре      | Date              | Time          | #Adults      | Age/Sex      | Pair     | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|-----------|-------------------|---------------|--------------|--------------|----------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG       | 2013              | 2400          | 0            |              |          |      |        | 38.765077            | -123.502655           | M 11N 15W<br>26 | Contributor          |
| NEG       | 2013              | 2400          | 0            |              |          |      |        | 38.770021            | -123.512985           | M 11N 15W<br>26 | Contributor          |
| NEG       | 2013              | 2400          | 0            |              |          |      |        | 38.765786            | -123.514210           | M 11N 15W<br>26 | Contributor          |
| NEG       | 2013              | 2400          | 0            |              |          |      |        | 38.759479            | -123.502901           | M 11N 15W<br>35 | Contributor          |
| NEG       | 2013              | 2400          | 0            |              |          |      |        | 38.777482            | -123.508707           | M 11N 15W<br>26 | Contributor          |
| NEG       | 2013-03-04        | 1150-<br>1315 | 0            |              |          |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid     |
| NEG       | 2013-05-31        | 1400-<br>1530 | 0            |              |          |      |        | 38.771628            | -123.506267           | M 11N 15W<br>26 | Section centroid     |
| NEG       | 2014              |               | 0            |              |          |      |        | 38.771471            | -123.505195           | M 11N 15W<br>26 | Activity center      |
| POS       | 2015              |               | 1            | UU           |          |      |        | 38.771420            | -123.505189           | M 11N 15W<br>26 | Activity center      |
| Additiona | al surveys within | the search    | area with no | Spotted Owls | detected |      |        |                      |                       |                 |                      |
| NEG       | 1999-04-12        | 2345-<br>2355 | 0            |              |          |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG       | 1999-04-12        | 2333-<br>2343 | 0            |              |          |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG       | 1999-07-21        | 0017-<br>0027 | 0            |              |          |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG       | 1999-07-21        | 0029-<br>0039 | 0            |              |          |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG       | 2000-05-23        | 0051-<br>0101 | 0            |              |          |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG       | 2000-05-23        | 0039-<br>0049 | 0            |              |          |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG       | 2000-07-13        | 2314-<br>2324 | 0            |              |          |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
|           |                   |               |              |              |          | F    | OF     |                      |                       |                 | 7/16                 |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2000-07-13 | 2302-<br>2312 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2000-07-21 | 2345-<br>2355 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2000-07-21 | 2333-<br>2343 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2001-03-31 | 2312-<br>2322 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2001-03-31 | 2300-<br>2310 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2001-05-24 | 0008-<br>0018 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2001-05-24 | 0021-<br>0031 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2001-06-23 | 0011-<br>0021 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2001-06-23 |               | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2002-04-10 | 0113-<br>0123 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2002-04-10 | 0126-<br>0136 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2002-05-14 | 0147-<br>0157 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2002-05-14 | 0130-<br>0140 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2002-06-15 | 2134-<br>2144 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2002-06-15 | 2152-<br>2202 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2003-03-07 | 2037-<br>2047 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2003-03-07 | 2021-<br>2031 | 0       |         |      | 54   | 86     | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2003-05-14 | 2159-<br>2209 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2003-05-14 | 2114-<br>2124 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2003-06-08 | 2154-<br>2204 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2003-06-08 | 2207-<br>2217 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2004-04-13 | 0026-<br>0036 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2004-04-13 | 0012-<br>0022 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2004-07-01 | 2248-<br>2258 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2004-07-01 | 2303-<br>2313 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2004-07-09 | 2114-<br>2124 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2004-07-09 | 2127-<br>2137 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2005-06-09 | 2115-<br>2125 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2005-06-09 | 2129-<br>2139 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2005-06-25 | 2039-<br>2049 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2005-06-25 | 2026-<br>2036 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2005-08-27 | 0013-<br>0023 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2005-08-27 | 0030-<br>0040 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2006-04-26 | 0331-<br>0341 | 0       |         |      | 5    | 87     | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |

| Туре | Date       | Time          | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------------|---------------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2006-04-26 | 0310-<br>0320 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2006-05-25 | 0012-<br>0022 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2006-05-25 | 0026-<br>0036 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2006-06-03 | 2043-<br>2053 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2006-06-03 | 2100-<br>2110 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2007-03-29 | 2026-<br>2036 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2007-03-29 | 2039-<br>2049 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2007-04-05 | 2223-<br>2233 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2007-04-05 | 2235-<br>2245 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2007-04-25 | 2317-<br>2327 | 0       |         |      |      |        | 38.791520            | -123.532910           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2007-04-25 | 0031-<br>0041 | 0       |         |      |      |        | 38.783960            | -123.526040           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2007-04-25 | 0003-<br>0013 | 0       |         |      |      |        | 38.773920            | -123.526760           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2007-04-25 | 0016-<br>0026 | 0       |         |      |      |        | 38.779090            | -123.525610           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2007-05-12 | 2331-<br>2341 | 0       |         |      |      |        | 38.791520            | -123.532910           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2007-05-12 | 0019-<br>0029 | 0       |         |      |      |        | 38.783960            | -123.526040           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2007-05-18 | 0143-<br>0153 | 0       |         |      |      |        | 38.783960            | -123.526040           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2007-05-18 | 0112-<br>0122 | 0       |         |      | 5    | 88     | 38.791520            | -123.532910           | M 11N 15W<br>22 | Contributor          |

| Туре | Date | Time | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------|------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2011 | 2400 | 0       |         |      |      |        | 38.783960            | -123.526040           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2011 | 2400 | 0       |         |      |      |        | 38.753527            | -123.501421           | M 11N 15W<br>35 | Contributor          |
| NEG  | 2011 | 2400 | 0       |         |      |      |        | 38.774002            | -123.527015           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2011 | 2400 | 0       |         |      |      |        | 38.765824            | -123.521345           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2011 | 2400 | 0       |         |      |      |        | 38.779407            | -123.525176           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2011 | 2400 | 0       |         |      |      |        | 38.791520            | -123.532910           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2012 | 2400 | 0       |         |      |      |        | 38.753527            | -123.501421           | M 11N 15W<br>35 | Contributor          |
| NEG  | 2012 | 2400 | 0       |         |      |      |        | 38.774002            | -123.527015           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2012 | 2400 | 0       |         |      |      |        | 38.765824            | -123.521345           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2012 | 2400 | 0       |         |      |      |        | 38.783960            | -123.526040           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2012 | 2400 | 0       |         |      |      |        | 38.791520            | -123.532910           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2012 | 2400 | 0       |         |      |      |        | 38.779407            | -123.525176           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2013 | 2400 | 0       |         |      |      |        | 38.753527            | -123.501421           | M 11N 15W<br>35 | Contributor          |
| NEG  | 2013 | 2400 | 0       |         |      |      |        | 38.791520            | -123.532910           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2013 | 2400 | 0       |         |      |      |        | 38.765824            | -123.521345           | M 11N 15W<br>27 | Contributor          |
| NEG  | 2013 | 2400 | 0       |         |      |      |        | 38.783960            | -123.526040           | M 11N 15W<br>22 | Contributor          |
| NEG  | 2013 | 2400 | 0       |         |      | 5    | 89     | 38.779407            | -123.525176           | M 11N 15W<br>27 | Contributor          |

| Туре | Date | Time | #Adults | Age/Sex | Pair | Nest | #Young | Latitude DD<br>NAD83 | Longitude DD<br>NAD83 | MTRS            | Coordinate<br>Source |
|------|------|------|---------|---------|------|------|--------|----------------------|-----------------------|-----------------|----------------------|
| NEG  | 2013 | 2400 | 0       |         |      |      |        | 38.774002            | -123.527015           | M 11N 15W<br>27 | Contributor          |