

**Lewis River Hydroelectric Projects
Terrestrial Coordination Committee (TCC)
Meeting Agenda**

Date & Time: **Wednesday, March 8, 2017
9:00 a.m. – 3:00 p.m.**

Place: **Merwin Hydro Control Center & Field Tour
105 Merwin Village Court
Ariel, WA 98603**

Contacts: **Kendel Emmerson (503) 813-6040; cell 503-703-7734**

Time	Discussion Item
9:00 a.m.	Welcome <ul style="list-style-type: none"> ➤ Review Agenda & 2/8/17 Meeting Notes ➤ Comment & accept Agenda & 2/8/17 Meeting Notes
9:15 a.m.	PacifiCorp WHMP 2017 Plan; 30-day review
9:45 a.m.	<ul style="list-style-type: none"> ➤ 2017 Annual Plan Review ➤ Land acquisition update (CONFIDENTIAL)
10:00 a.m.	Safety ¹ orientation for Field Tour
10:10 a.m.	Break
10:20 a.m.	Depart for Field Tour – Unit 7 2016 and 2017 timber harvest areas and Unit 8 timber harvest areas. If time allows may also visit 2017 timber harvests area in Unit 1.
2:45 a.m.	Next Meeting’s Agenda <ul style="list-style-type: none"> ➤ Note: all meeting notes and the meeting schedule can be located at: http://www.pacificorp.com/es/hydro.html
3:00 p.m.	<i>Meeting adjourn</i>

¹ Please bring rain gear and sturdy walking shoes for hiking in the forest. PacifiCorp will have 2 vehicles for transportation of up to 4 additional passengers.

Join by Phone

- +1 (503) 813-5252 [Portland, Ore.]
- +1 (801) 220-5252 [Salt Lake City, Utah]
- +1 (855) 499-5252 [Toll Free]

Conference ID: 20999027

PLEASE BRING LUNCH

FINAL Meeting Notes
Lewis River License Implementation
Terrestrial Coordination Committee (TCC) Meeting
March 8, 2017
Merwin Hydro Control Center & Field Tour
Ariel, WA

TCC Participants Present: (8)

Ray Crosswell, RMEF
 Bill Richardson, RMEF
 Kendel Emmerson, PacifiCorp
 Kim McCune, PacifiCorp
 Summer Peterman, PacifiCorp
 Eric Holman, WDFW
 Amanda Froberg, Cowlitz PUD
 Erik White, Cowlitz Indian Tribe

Calendar:

April 12, 2017	TCC Meeting	HCC
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Assignments from March 8, 2017	Status
None	

Assignments from February 8, 2017	Status
Emmerson: Schedule a TCC tour of Unit 1 the TCC can choose the three snag trees.	Complete – 4/12/17

Assignments from July 13, 2016	Status
Emmerson: Report back to the TCC regarding status of the Property Encroachment Permit and Shoreline Permit Application.	Pending

Assignments from March 9, 2016	Status
McCune: Add the Fisher CCAA conservation measures in in 2016 WHMP Annual Report and in year 17 re-write (incorporate into Best Management Practices).	Pending
WDFW: In regards to 10.3.3, Matching Funds Eagle Island Project the TCC would like a 1-2-page progress report of project status with photos after the grant term expires (12-31-2017).	Provided status update as of 3/8/17

Kendel Emmerson (PacifiCorp) called the meeting to order at 9:10am. Emmerson reviewed the agenda and asked the TCC if there were any changes/additions. Kim McCune (PacifiCorp) will provide a status update as provided by Daren Hauswald (WDFW) February 24, 2017 for the Matching Funds Eagle Island project. Emmerson reviewed the TCC February 8, 2017 Meeting Notes which were approved at 9:15am without change.

Public Comment Opportunity:

None

PacifiCorp WHMP 2017 Annual Plan Review

The TCC attendees were reminded that the 30-day review was provided **March 3, 2017**. Comments are requested by April 2, 2017. The electronic document can be viewed at the following link:

<http://www.pacificorp.com/es/hydro/hl/lr.html#>

- License Implementation
- Reports
- 2016 ACC/TCC Annual Report
- Attachment L: WHMP 2017 Annual Plan

Emmerson provided a cursory review to include the following:

- o Noted that she neglected to include Osprey Meadow 2017 activity in Section 10 of the WHMP Plan but she will add it into Section 10.0 of the 30-day review document.

- o Page 9 calls out the restoration management actions for Upper and Lower Hanley-Curry Meadows, however, PacifiCorp just learned two weeks ago that the Dept. of Natural Resources (DNR) has a 40' right-of-way road easement secured in 2003, and they plan to harvest 2M board feet in 2018 over freshly established meadows. PacifiCorp may postpone its meadow restoration activities until after 2018. PacifiCorp requested a copy of the easement that DNR is using. Cultural surveys are required so PacifiCorp will discuss a cost share arrangement with DNR. PacifiCorp can do the visual screen plantings now and may be able to conduct Lower Hanley-Curry restoration this year. PacifiCorp could add shrub islands now in Upper Hanley-Curry depending DNR's road and timber sale layout.

Land Acquisition Update

This topic is considered confidential and proprietary and not for public viewing. **The TCC agreed with sellers approval of option provided March 7, 2017. The TCC further agreed to pursue other additional land acquisition options in the Lewis River basin.**

SA 10.3.3 Matching Funds: Eagle Island Project Update

McCune informed the TCC of the following update as provided by Daren Hauswald (WDFW) February 24, 2017:

- Completed the aerial spraying in late June 2016.
- The aerial application was a success and provided a very good rate of control on the scotch broom. Some off target trees were sprayed, but most I think survived.
- WDFW is pursuing other funding for the project to get the scotch broom mowed.
- WDFW applied for State Migratory Bird Stamp funding. Will not know the outcome of this until late May or early June, 2017. Currently there is enough funding to mow approximately ½ of the scotch broom.
- WDFW planning to have the area mowed in late summer, but no contractor has been hired as of yet.
- WDFW hoping to start the bid process in April or May, 2017.
- WDFW is expecting to start on the HPA process soon.

Tour Safety Briefing

Emmerson informed the TCC tour attendees that cell service is available, the road shoulders are muddy so be very careful driving. There will be slash on the ground so watch for tripping hazards.

There is active slash burning in Osprey Meadow (Unit 7) and heavy equipment in the area. Safety glasses and hard hats must be worn.

Note: Please also see maps provided as Attachments to these meeting notes.

Unit 7 2016 Timber Harvest (Hamm Flat)

In 2016, PacifiCorp proposed an area of approximately 23.2 acres clear-cut and to construct 650 feet of road that can be expanded for future harvest to the north. This stand was mix of Upland Mixed and Mid-Successional conifer (commercially thinned in 1995) vegetation cover types. The harvest area is bordered by a riparian buffer to the west.



Unit 7 2016 Timber Harvest – Hamm Flat



Unit 7 2016 Timber Harvest – Hamm Flat

The leave trees (Forestland Objective B) was not achieved and this was not discovered until after the logging was completed. This is due to miscommunication and exchange of records between PacifiCorp personnel. Following harvest the total green trees greater than or equal to 15 inches in diameter at breast height (dbh) total 72 conifer trees and 4 hardwoods and snags greater than 20 inches dbh include 3 conifer trees and 2 hardwoods. This totals 81 leave trees, which 104 trees short of the 185 trees required. To ameliorate this, additional habitat logs were placed within the harvest area and harvest boundary was expanded to the edge of riparian and shoreline buffers to provide more reserve trees.



Unit 7 2016 Timber Harvest – Hamm Flat

Unit 7 2016 Timber Harvest (Osprey Meadow)

This stand was upland mix stand that had been managed as shrubland under the prior Merwin Standard Operation Procedures. Under the WHMP, this area was reevaluated and was determined it did not meet shrubland vegetation cover type criteria and the area was reclassified as Upland Mix. It was a mix of very large conifer trees, mostly Douglas fir that in the southern half of the harvest area, red alder, and shrubs. Some of the conifer and all of the hardwoods, except for some willows and cherry, found within the THA were harvested. Shrubs were strategically retained to provide screening. This timber harvest area is relatively flat and has good access off the 700 road, so it will be plowed in spring 2017 and grass seeded to provide approximately 4 acre permanent forage area for Unit 7. In order to get a clean burn of slash a shovel is picking up debris and feeding into the burn piles. Followed by cat coming into smooth the top soils and scrap all small debris off the Meadow.



Unit 7 2016 Timber Harvest (Osprey Meadow)



Unit 7 2016 Timber Harvest (Osprey Meadow) – slash burning

Unit 7 2017 Harvest (Hamm Road Root Rot)

A clear-cut harvest of approximately 1.0 acre in size is proposed in a stand of pole conifer vegetation cover type. The stand is located off the 700 road and is within the original boundary of the timber harvest areas 880756CC. Most of the trees are Douglas-fir and this timber harvest is to control laminated root rot. It is unlikely that the 8 trees per acre of leave trees will be achieved within the harvest area, but may be retained east of the 700 road and THA 050771CC .



Unit 7 - Proposed tree harvest to remove diseased trees along 700 road



Unit 7 – Western red cedar and western white pine plantation in THA 050771CC

Unit 8 2017 Harvest

Management Unit 8 is a total of 779.7 acres and includes Cresap Campground and the area to the north and west of Cresap Creek. No forest management has occurred under the Lewis River WHMP. There are no Northern Spotted Owl 1.8 mile radius management circles within Management Unit 8.



Unit 8 2017 Harvest (Manitch)

Manitch - 13.99 acres

This is a clear-cut harvest in mid-successional thinned conifer that was commercially thinned in 1998. The timber harvest is adjacent to Woodpecker Wetland to the south. The wetland is buffer width is equal to one site potential tree, which is greater than 100 feet, and has been expanded to include a pocket of red alders and snags. The stand has options for leave areas and a nice topographical break between the property line and harvest. In 2016, the property line was surveyed and determined up to 80 feet to the east. When Manitch is planted the area that has been cleared along the property line will be replanted. The existing 830 road will be relocated to improve drainage and approach issues. The stand has several options for leave trees and snags.

<1:00pm Meeting Adjourned>

Agenda items for April 12, 2017

- Review March 8, 2017 Meeting Notes
- Field Tour – Unit 1
- Project Updates
- Land Acquisition Update (**CONFIDENTIAL**)

Next Scheduled Meeting

April 12, 2017

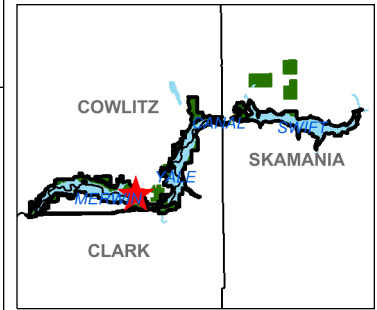
Location: HCC & Field Tour

Attachments:

- March 8, 2017 Meeting Agenda
- **Attachment A** – Map of Unit 7 Hamm Flat Road THA 170776CC
- **Attachment B** – Map of Unit 7 Osprey Meadow THA 160774
- **Attachment C**- Map of Unit 7 Hamm Flat THA 160773CC
- **Attachment D** – Map of Unit 8 Manitch THA 170838CC



170776 CC



Legend

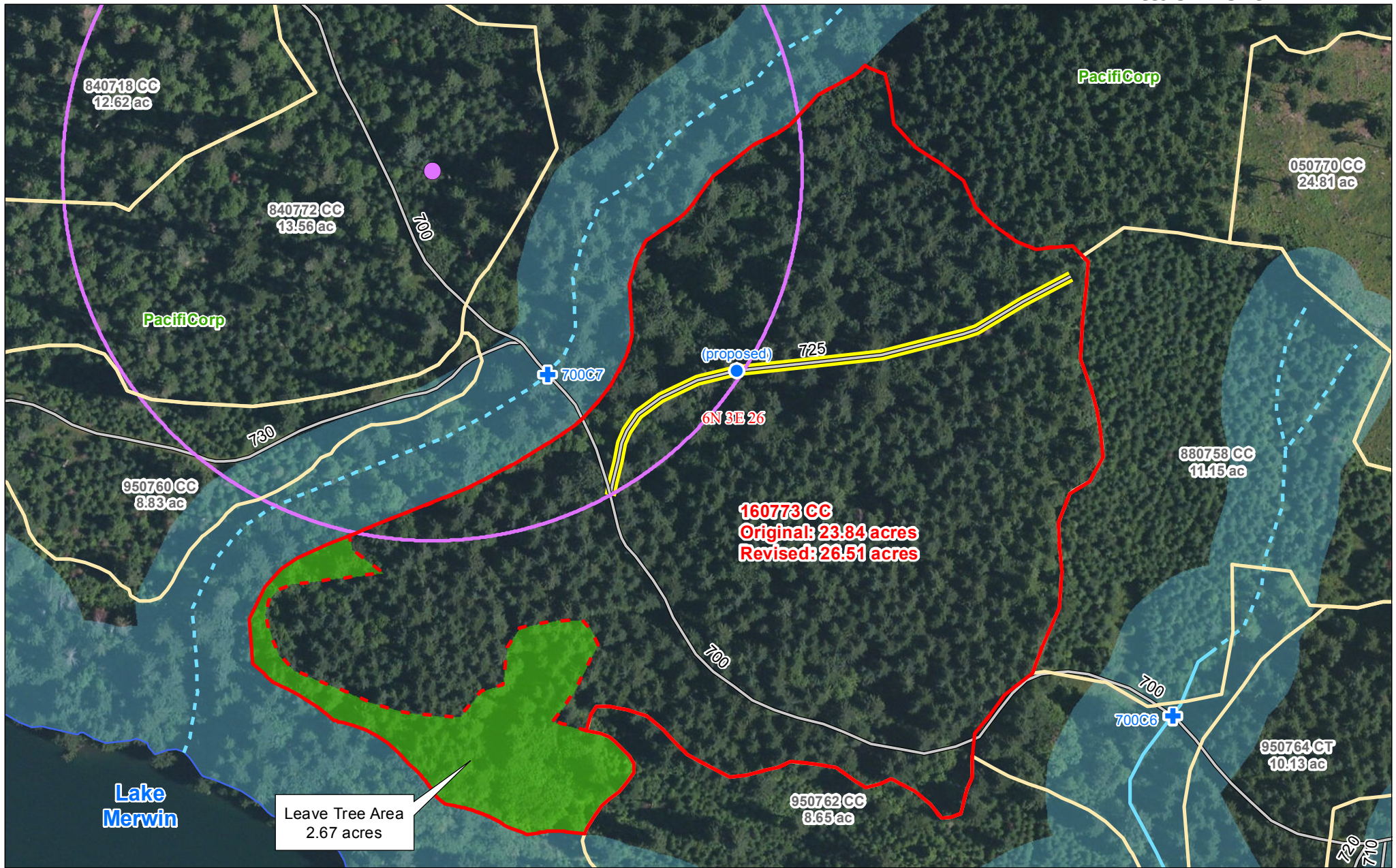
- Generation Facilities**
 - Hydro
 - Geothermal
 - Thermal
 - Wind
 - Biomass
- Surveyed Corner**
 - Surveyed Section Corner
 - Surveyed Property Corner
 - Other Surveyed Corner
- Wetland (Point)**
- PacifiCorp Transmission Pole**
- Proposed Road**
- Road**
- PacifiCorp Transmission Line**
- FERC Boundary**
- Section**
- Wetland Buffer**
- Stream Buffer**
- Wetland (Polygon)**
- Stream**
 - Fish Stream
 - Non-Fish Perennial
 - Non-Fish Seasonal
 - Other
- Harvest Area**

Scale: 1:2,760



This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: 1.09 acre



WHMP - Unit 7

**2016 Harvest Area
160773 CC**

Imagery: ESRI, 2010

- | | | | |
|-----------------------|-----------------|---------------------|----------------------|
| Original THA Boundary | Existing Road | Stream/Shore Buffer | Osprey Nest |
| Revised THA Boundary | New Road | Fish Stream | Nest Buffer (660 ft) |
| Leave Tree Area | Section | Non-fish Perennial | Ditch Culvert |
| Other Harvest | PacifiCorp Land | Non-fish Seasonal | Stream Culvert |
| | Shoreline | Contour (20') | Gate |

1:2,800

0 100 Feet














02/13/2017 gisdept@pacifiCorp.com
U:\Projects\Hydro\Lewis\Harvest\Unit 7\160773 Aerial Map.mxd



WHMP - Unit 7


**2016 Harvest Area
160774 CC
(Osprey Meadow)**

Imagery: ESRI, 2010

- | | | |
|--|---|---|
|  Harvest 160774 |  Road |  Stream/Shore Buffer |
|  Other Harvest |  Section |  Fish Stream |
|  Ditch Culvert |  PacifiCorp Land |  Non-fish Perennial |
|  Stream Culvert |  Shoreline |  Non-fish Seasonal |
|  Contour (20') | | |

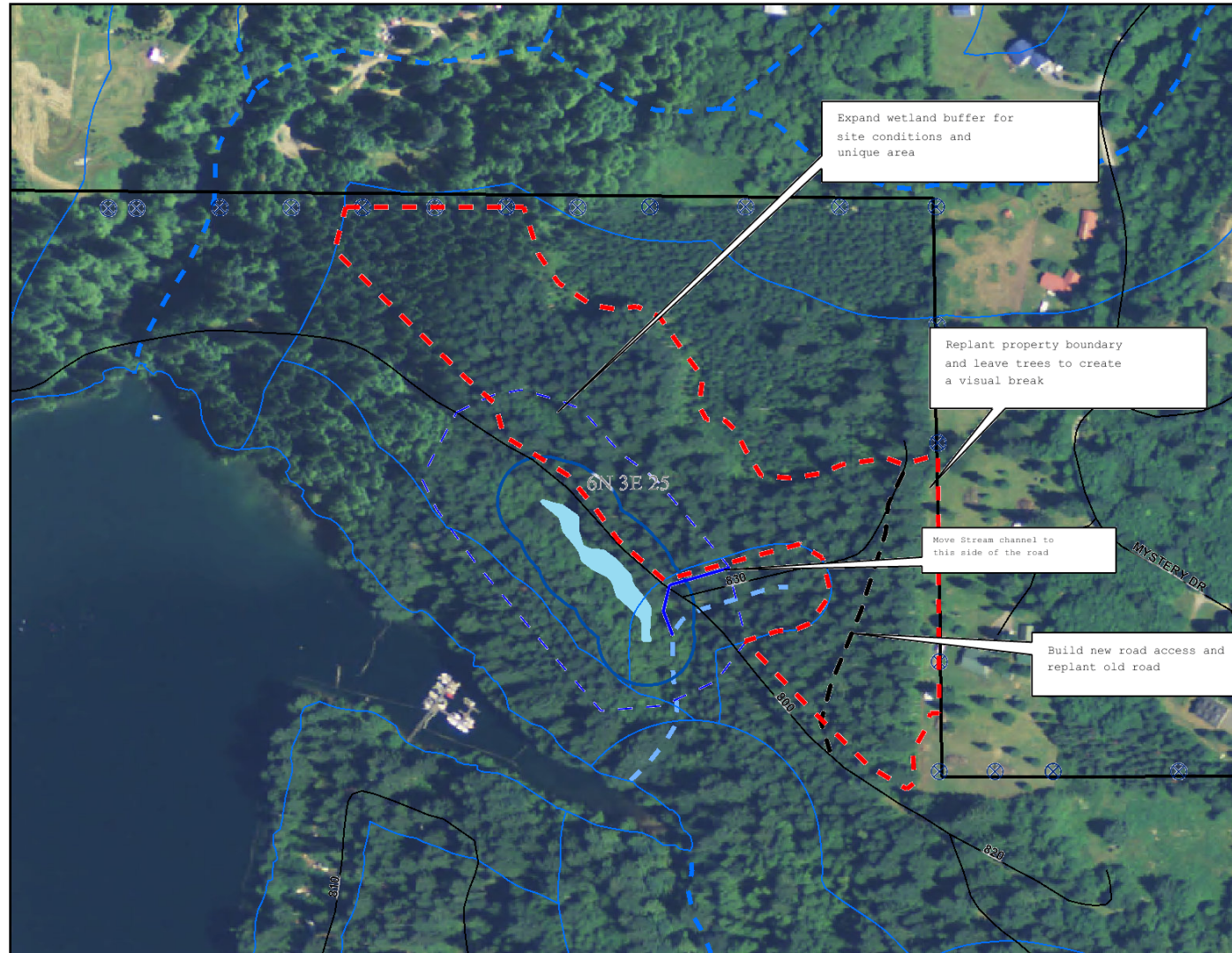
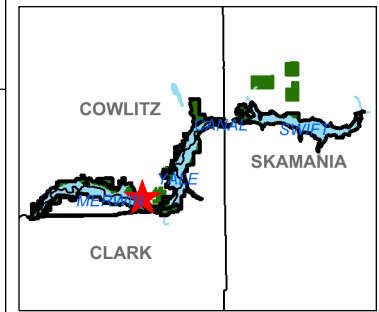
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0 50 100 Feet






170838CC



Legend

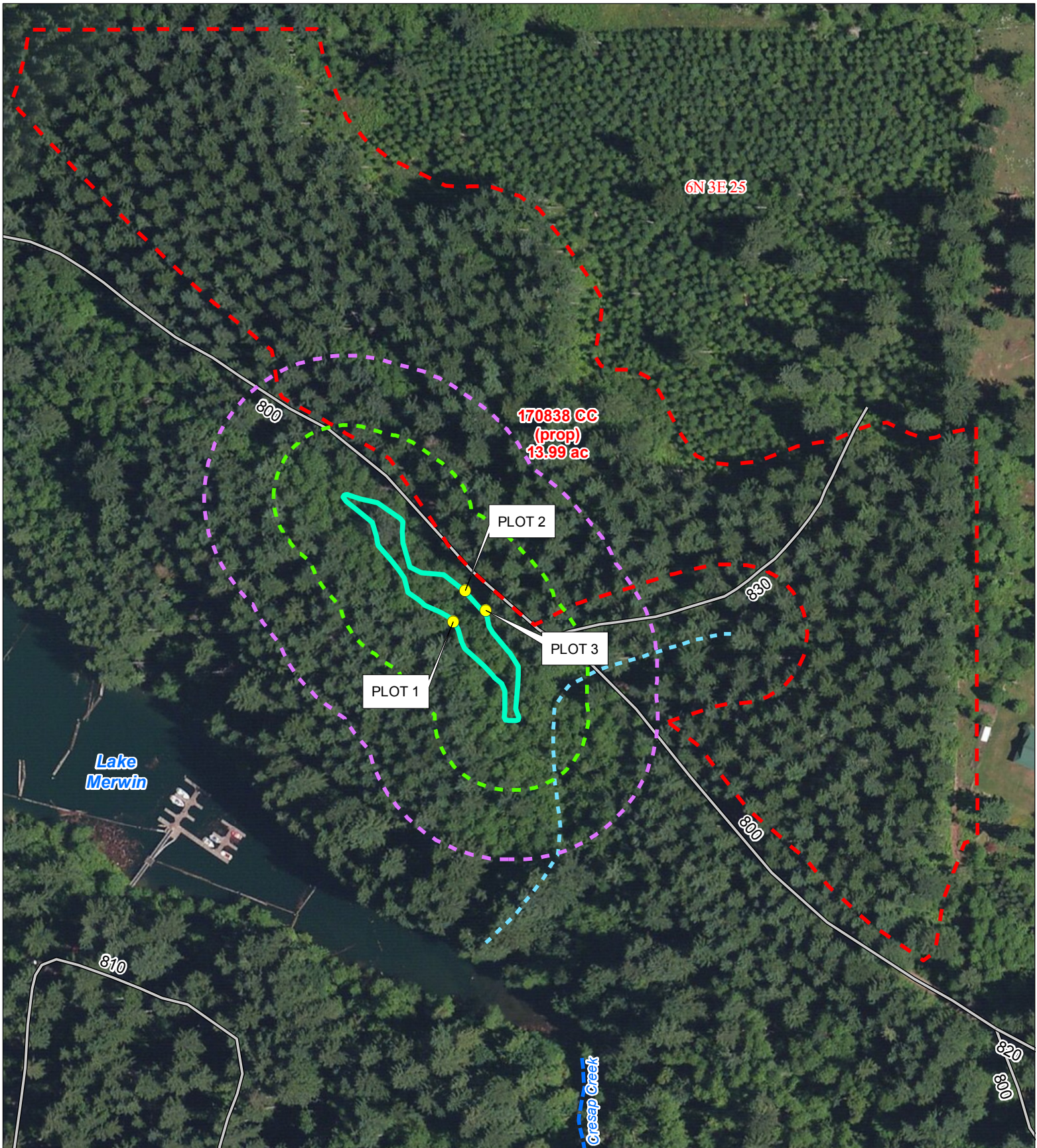
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- Section**
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- Stream Buffer**
- Wetland (Polygon)**
- Stream**
 - Fish Stream
 - Non-Fish Perennial
 - Non-Fish Seasonal
 - Other

N
Scale: 1:4,679



This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Proposed 13.99 acre clearcut in 1998 commercial thinned area



Woodpecker Wetland

0.32 Acres



- Plot Point
- Wetland
- FPA Buffer (200 ft)
- WHMP Buffer (100 ft)

- Proposed Harvest
- Road
- Section

- Fish Stream
- Non-fish Perennial
- Non-fish Seasonal
- Other Stream

0 100
 Feet
 1:2,200

