

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

Date & Time: Wednesday, August 12, 2015
9:00 a.m. – 2:30 p.m.

Place: Merwin Hydro Control Center
105 Merwin Village Court
Ariel, WA 98603

Contacts: Kirk Naylor: (503) 813-6619; cell (503) 866-8750

Time	Discussion Item
9:00 a.m.	Welcome <ul style="list-style-type: none"> ➤ Depart to Cowlitz County PUD Proposed Communications Pole Site at Turtle Dove Lane; Beaver Bay
9:30 a.m.	Turtle Dove Communication Site <ul style="list-style-type: none"> ➤ Review site plan, narrative and drawings
<i>10:15 a.m.</i>	<i>Travel to Hamm Fields</i>
10:30 a.m.	Meeting will be held at tailgate at Hamm Meadows. <ul style="list-style-type: none"> ➤ Safety¹ orientation for tour – NO SHORTS PLEASE ➤ Review Agenda & 6/10/15 Meeting Notes ➤ Comment & accept Agenda & 6/10/15 Meeting Notes ➤ Eagle issue at Merwin; Dam Safety Group - Update ➤ Management changes due to drought conditions ➤ WDFW Funding Request; Matching Funds
11:00 a.m.	Review management progress at Hamm Meadows
12:00 p.m.	Lunch
<i>12:30 p.m.</i>	<i>Travel to McKee Meadows</i>
12:45 p.m.	Hike to McKee Meadows to review proposed 2016 forage restoration
2:00 p.m.	<ul style="list-style-type: none"> ➤ Next Meeting's Agenda ➤ Public Comment Opportunity Note: all meeting notes and the meeting schedule can be located at: http://www.pacificorp.com/es/hydro.html
2:30 p.m.	Return to HCC and adjourn

¹ Please bring sturdy walking shoes for hiking in the fields. PacifiCorp will have 1 vehicle for transportation of up to 3 additional passengers.

There will be no conference call-in for this meeting as we will be conducting the TCC meeting in the field.

Please bring your lunch

FINAL Meeting Notes
Lewis River License Implementation
Terrestrial Coordination Committee (TCC) Meeting
August 12, 2015
Merwin Hydro Control Center & Field Tour
Ariel, WA

TCC Participants Present: (8)

Ray Crosswell, RMEF
 Bill Richardson, RMEF
 Kirk Naylor, PacifiCorp
 Kendel Emmerson, PacifiCorp
 Kim McCune, PacifiCorp
 Diana Gritten-MacDonald, Cowlitz PUD

Guests:

Doug Thomas, Cowlitz PUD
 Brian Magnusson, Cascade Networks

Calendar:

September 9, 2015	TCC Meeting	Merwin HCC
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Assignments from August 12, 2015	Status
McCune/MacDonald – To accommodate those TCC participants not in attendance, the Utilities will provide an additional 7-day comment period for the Turtle Dove Communication Site before a decision is considered final.	Complete – 7/21/15

Assignments from June 10, 2015	Status
TCC members: Identify future project tour requests for July and August opportunities.	Complete

Assignments from June 13, 2012	Status
Naylor: Review the SA/WHMP budget(s) as well as determine status and opportunity for coordination with John Cook (NCASI) and Lisa Shipley (Washington State University) doing the black-tail study and report back to the TCC.	TBD

Review of Agenda and Finalize Meeting Notes

TCC attendees, Doug Thomas (Cowlitz PUD) and Brian Magnusson (Cascade Networks) met at Turtle Dove Lane, in Cougar, WA at 9:30am to discuss siting a Cowlitz PUD communications pole in the Washington Department of Transportation right-of-way on the south side of the Lewis River Road, as described in the information packet emailed to the TCC on August 4, 2015 ([Attachment A](#)).

Cowlitz PUD seeks TCC permission for routine and emergency vegetation management activities necessary to maintain the proposed Turtle Dove Lane communication pole and a line of sight to a tower on Yacolt Mountain, prior to constructing the communications pole.

Proposed agreement, as discussed in the field and later modified through conversations between PacifiCorp and Cowlitz PUD:

Cowlitz PUD may conduct routine vegetation management on PacifiCorp's WHMP lands necessary to maintain a line of sight from the proposed Turtle Dove Lane communications pole to a tower on Yacolt Mountain. Cowlitz PUD shall provide PacifiCorp a minimum 24-hour notice (Merwin HCC and PacifiCorp Property Department) prior to routine vegetation management activities on PacifiCorp's property.

The proposed communications pole and some of the routine vegetation maintenance is within a riparian buffer to a perennial non-fish bearing stream. Vegetation is a mix of red alder, cottonwood, and big leaf maples with an understory that is primarily Himalayan blackberry.

Routine vegetation management includes herbicide application, trimming branches and vegetation (mostly blackberries), and removing trees less than 3 inches in diameter at breast height (dbh). There are currently no trees greater than 3 inches dbh in the line of sight that would need to be entirely removed. In the future, branches from existing trees may need to be trimmed, but removal of trees greater than 3 inches dbh is not anticipated. The intent of the routine vegetation management is to prevent trees from growing larger than 3 inches in dbh and potentially obstructing the line of sight between the proposed communication pole and the tower.

In the unlikely event that Cowlitz PUD needs to entirely remove a tree greater than 3 inches dbh, Cowlitz PUD will re-seed the bare soil with grass.

In the event of an emergency, Cowlitz PUD may remove trees that pose an imminent hazard to the communications pole and then must notify PacifiCorp Property Department of the tree removal within 48 hours of the removal.

Cowlitz PUD's and PacifiCorp's property departments will work together on easement codifying the above agreement by the TCC.

In light of the discussions between PacifiCorp and Cowlitz PUD, and to accommodate those TCC participants not in attendance, the Utilities will provide an additional 7-day comment period for the Turtle Dove Communication Site before a decision is considered final.

Work is scheduled for October/November 2015, dependent upon the Cowlitz County permitting process.

Review of Agenda and Finalize Meeting Notes

Kirk Naylor (PacifiCorp) reviewed the June 10, 2015 meeting notes and assignments. The meeting notes were approved at 10:40 a.m. without change.

Eagle Issue at Merwin; Dam Safety Group – Update

Kendel Emmerson (PacifiCorp) informed the TCC of upcoming tree removal near Merwin Dam that is within 330 feet of an active bald eagle nest. The overstory tree removal is required to restore a horizontal control monument (HCM) used to monitor Merwin Dam. This will require removing all overstory vegetation that is within a 45-foot radius of the HCM and will include the following trees:

- Four smaller diameter (less than 10 inches in diameter) big leaf maples that have re-sprouted from a single stump
- Two big leaf maples trees that are approximately 18-inch in diameter and 60 feet (+) tall
- Two Douglas-fir approximately 12-inch in diameter and 40 feet (+) tall

To avoid disturbance to the bald eagles the work will occur after August 31. Due to the slope and conifer trees adjacent to the bald eagle nest, the quality of the vegetation buffer is not expected to be effected by this tree removal.

Fish and Wildlife Service concurred with PacifiCorp’s determination that implementing the tree removal project as described is unlikely to result in a non-purposeful take of a bald eagle and will not require an eagle take permit.

Review Management progress at Hamm Meadows (Unit 17)

Following a safety briefing, the TCC proceeded with a tour of Hamm Meadows (Fields 1, 2, 3 & 5) ([Attachment B](#)), property purchased in 2010.



Figure 1. Hamm Meadow 1 (.89 ac) - spraying for field bindweed and vinca

Saddle Dam farm fields and Hamm fields 1 and 2 were mowed in late May. Due to drought conditions neither of these fields will need a second mowing this fall. Also due to the extreme fire danger, the meadow and ROW mowing scheduled to begin August 15 will be deferred until the Industrial Fire Precaution Levels (IFPL) are reduced. The current IFPL requires daily timing restrictions, one hour fire watch, and a 300 gallon fire tank on site. Mowing can occur under the

restrictions but until there is more moisture the grasses will remain dormant. If moisture is expected the TCC requested that mowing begin as soon as possible and prior to fall rains.



Figure 2. Hamm Meadow 2 (5.88 ac) – looking back at field 2 standing in field 3

Emmerson informed the TCC attendees that Field 3 (Figure 3) has a culturally sensitive plant (Camas) and birds species (Savannah Sparrow). Therefore this field was not mowed in May 2015 and will be mowed this fall. The TCC discussed the option of mowing the field after July 15 to have late summer forage available but still protect camas and savannah sparrows.



Figure 3. Hamm Meadow 3 (7.25 ac)



Figure 4. Hamm Meadow 5 (2.98 ac) – 2011 BEFORE



Figure 4. Hamm Meadow 5 (2.98 ac) – 2015 AFTER; treated blackberry & snowberry

Fields 4 and 5 were not mowed in the spring as the grass is only about 4” tall so there will be a Fall 2015 mowing only this year.

Discussion took place about considering an over-seed forage mix in Fall 2015 in Field 5. RMEF recommended an over-seed because the grasses that have established in this field aren’t palatable.

McKee Meadows to Review Proposed 2016 Forage Restoration (Unit 3)

Emmerson informed the TCC attendees that PacifiCorp would like to turn over and replant McKee Meadows and expand both meadows by about ¼ acre by removing some red alders and bigleaf maples. The meadows mostly consist of reed canary grass, weeds, and forbs. The meadow is not providing quality forage or meeting WHMP standards. Elk use has declined in recent years partly due to the decline in forage, but also because timber harvests near the ROW provide better and more accessible forage. As the timber harvests mature, these permanent forage areas will become more important and elk use is expected to increase. The area is a hot spot for birds due to the surrounding shoreline and tree/shrub diversity. The proposed schedule will be to spray blackberry on the edges this fall, do tree removal in winter, and spray meadows with glyphosate in early spring, then rototill, and reseed by mid spring.



Figure 5. Lower McKee Meadow and tree removal area to expand meadow.



Figure 6. Upper McKee Meadow. Some of the trees that will be removed

These meadows are surrounded by old red alders many of them with significant decay. Several hazard trees with potential to strike the road between the meadows and/or the meadows will be removed too. These meadows are within 200 feet of the shoreline and will require a shoreline permit; therefore it's more efficient to address all tree issues at one time. The shoreline along Upper McKee is open to the reservoir and is on a dangerous bank that cannot be mowed. To provide a visual screen to the meadow and prevent tractors from mowing the area it will be planted with shrubs.

<2:30 p.m. meeting adjourned>

Agenda items for September 9, 2015

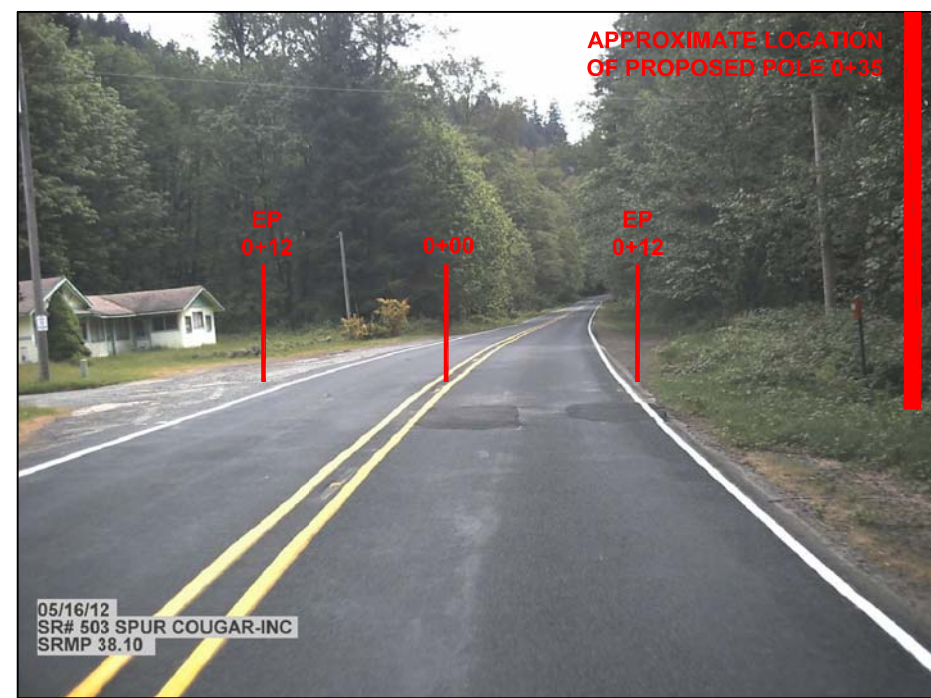
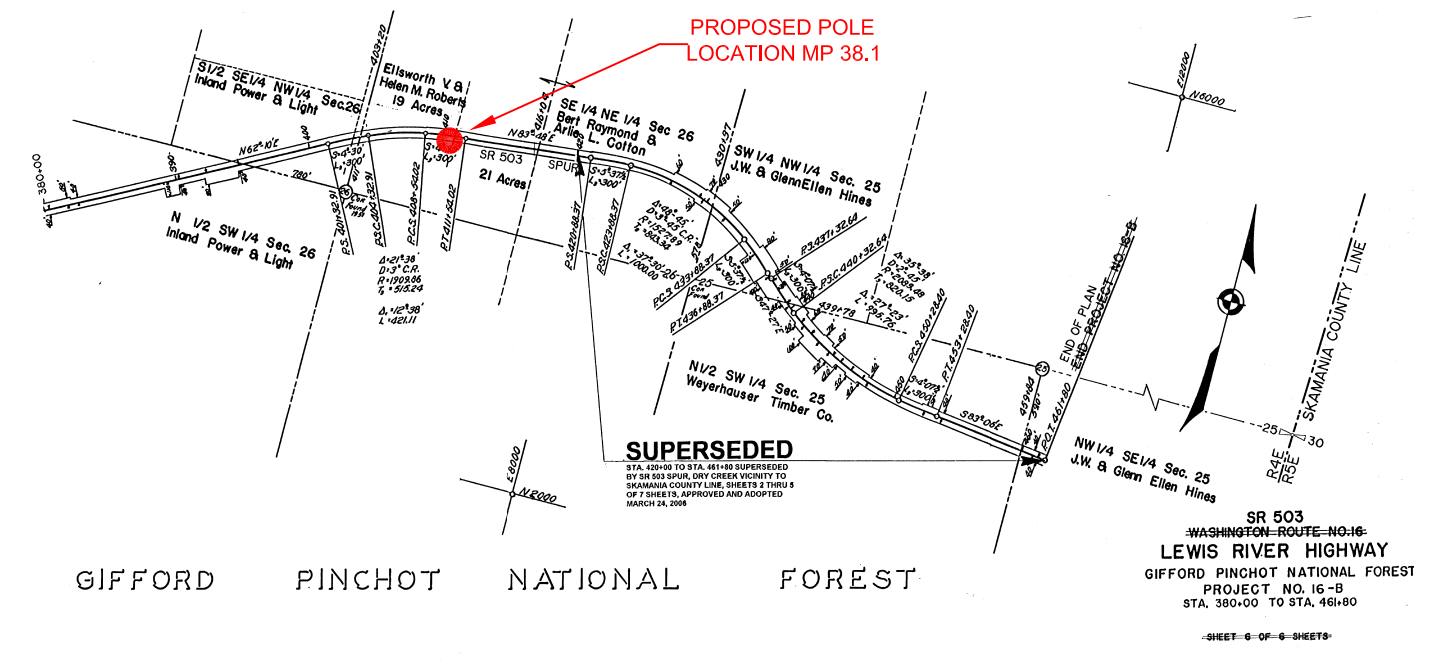
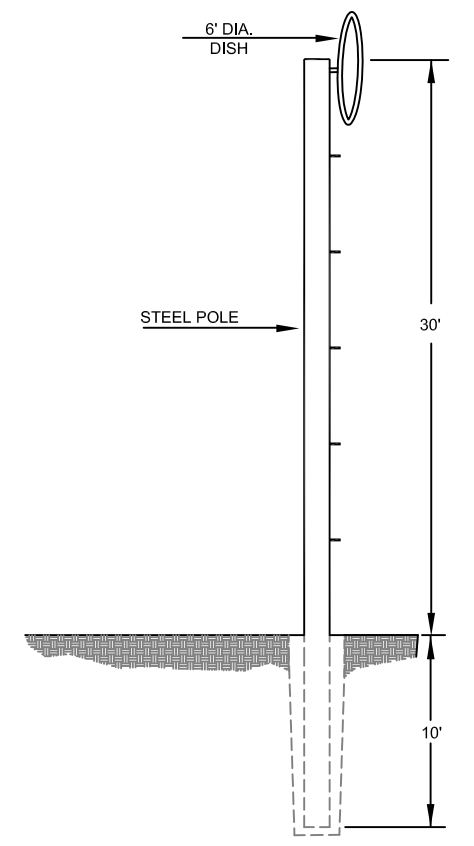
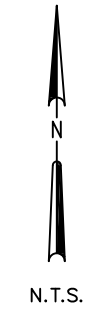
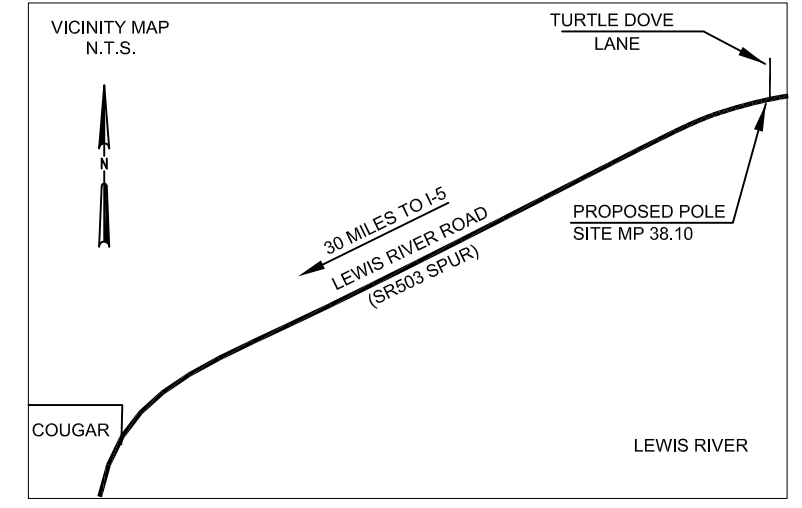
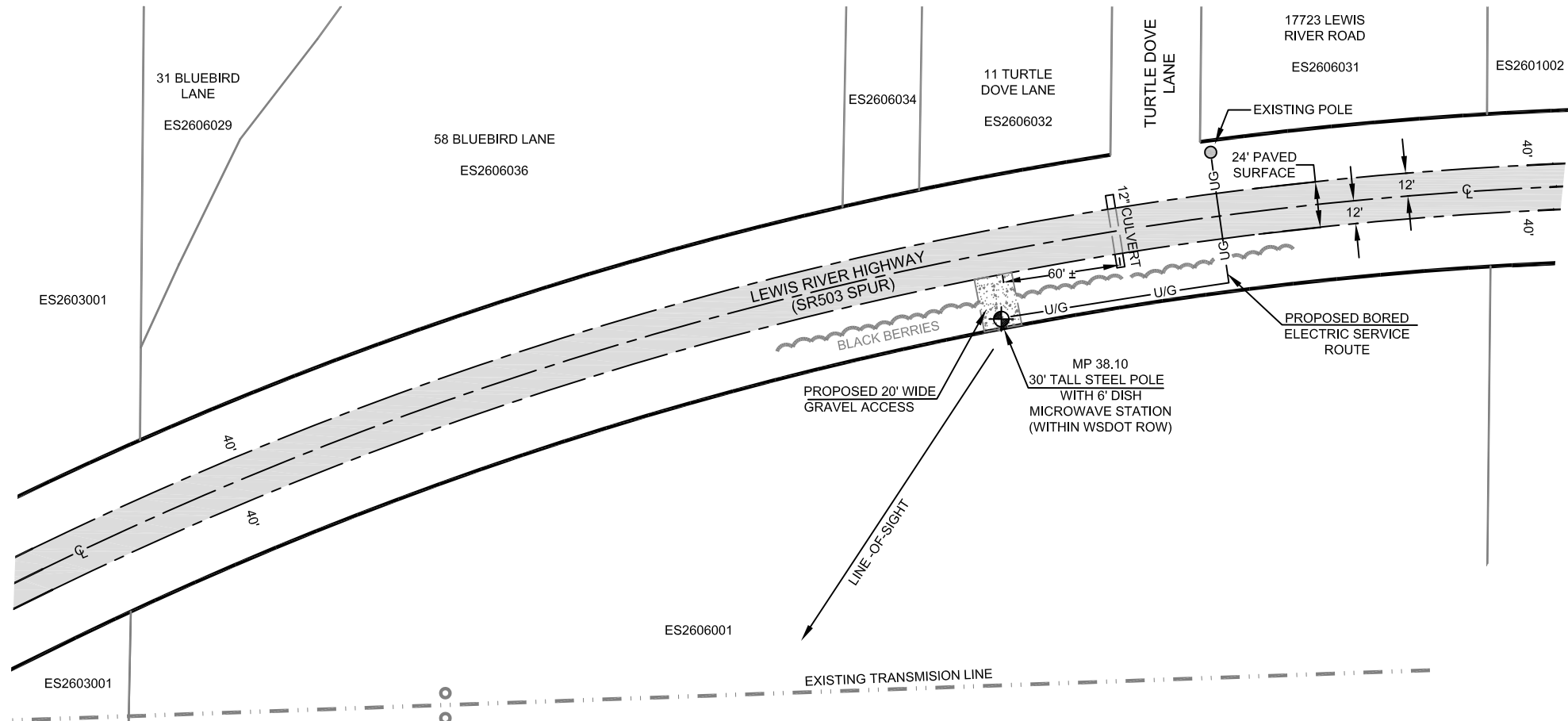
- Review August 12, 2015 Meeting Notes
- Review tree removal details of McKee Meadow, proposed seed mix, and scheduled and cost for 2016.
- SMP compliance at Kings Landing (request to restore an old shoreline access)

Next Scheduled Meetings

September 9, 2015
Merwin HCC

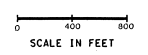
Attachments:

- August 12, 2015 Meeting Agenda
- **Attachment A** - Cowlitz PUD Microwave Antenna/Pole; Turtle Dove Lane, Cougar, WA
- **Attachment B** - Aerial Map of Hamm Meadows 1 through 5, property purchased in 2010



VIEW EAST

TURTLE DOVE LANE MICROWAVE STATION	
17000 BLK LEWIS RIVER HWY (STATE ROUTE 503 SPUR, MILE POST 38.1)	PROJECT NO.: CWZ-10218
PLAN & PROFILE	DATE: 7-27-15
PUBLIC UTILITY DISTRICT NO. 1 OF COWLITZ COUNTY	SHEET: 1 of 1

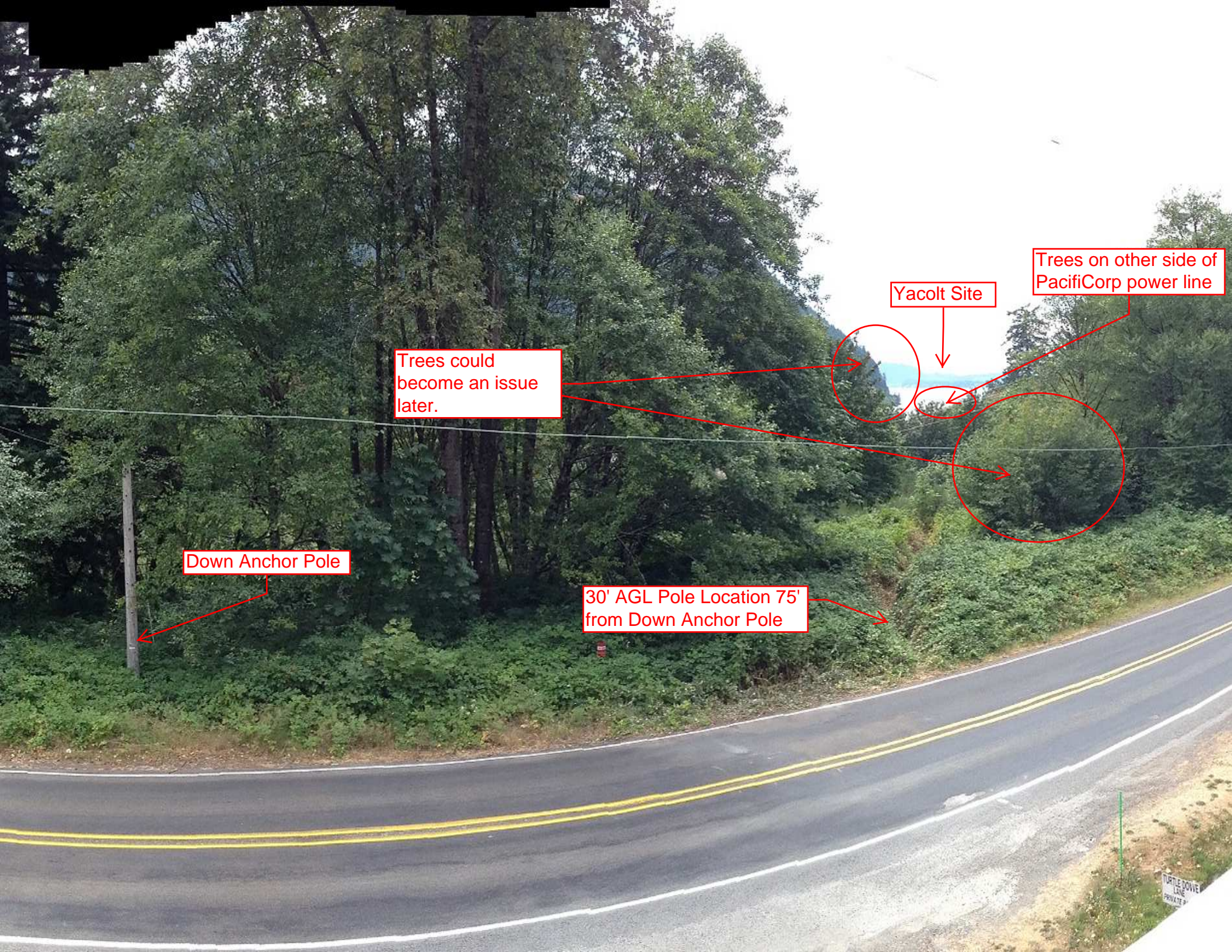


Letter	5-5-08	5-8-08	Superseded Plan Sta. 420+00 to Sta. 461+00	1/2
Author	5-5-08	12-22-08	Added Title Block, Adopted County Road as State Highway, Added End of Plan, Skamania Co. Line, and Range Line	2/2
Authority			Subsequent Approval	By

SR 503
WASHINGTON ROUTE NO. 16
LEWIS RIVER HIGHWAY
GIFFORD PINCHOT NATIONAL FOREST
PROJECT NO. 16-B
STA. 350+00 TO STA. 461+00

LEWIS RIVER ROAD BECAME
SR 503 PER 1991 LEGISLATIVE ACT
SR 503 SPUR
JCT. SR 503 TO
SKAMANIA CO. LINE
COWLITZ COUNTY
RIGHT OF WAY PLAN
STATION 350+00 TO STATION 461+00
AUTHORIZED BY 1991 LEGISLATIVE ACT
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON

ADOPTED MARCH 22, 1998
SHEET 6 OF 6 SHEETS



Down Anchor Pole

30' AGL Pole Location 75' from Down Anchor Pole

Trees could become an issue later.

Yacolt Site

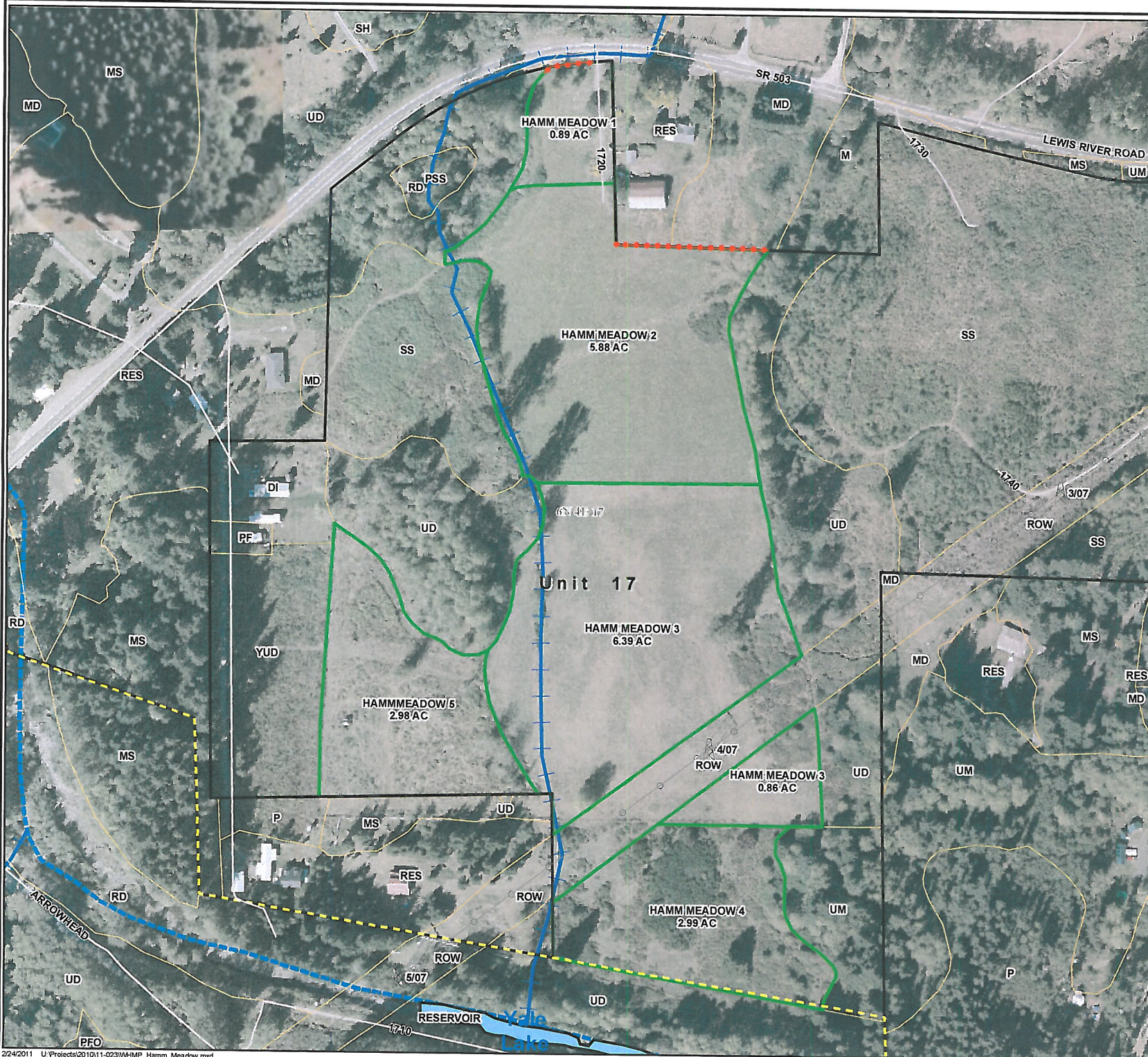
Trees on other side of PacifiCorp power line

TURTLE DOVE LANE PRIVATE

Lewis River Wildlife Habitat Management Plan

Appendix C Hamm Meadows

Sheet 1 of 1



Legend

- Township/Range
 - Section
 - Surveyed Section Corner
 - Surveyed Property Corner
 - Other Surveyed Corner
 - PacifiCorp Transmission Pole
 - PacifiCorp Transmission Line
 - Road
 - Visual Screen
 - Vegetation Cover
 - Hamm Meadow
 - Management Unit
 - FERC Boundary
 - Water Body
- ### Stream
- Fish
 - Anadromous Fish
 - Non-fish Perennial
 - Non-fish Seasonal
 - Other



Data Management/ Geographic Information Systems
 gisdept@pacifiCorp.com

Data is projected in UTM Zone 10, NAD83, meters.

No Warranty With respect to any information, including but not limited to the Confidential Information, which a Party furnishes or otherwise discloses to another Party for the purpose of evaluating Compliance, it is understood and agreed that the Disclosing Party does not make any representations or warranties as to the accuracy, completeness or fitness for a particular purpose thereof. It is further understood and agreed that no Party or its Representatives shall have any liability or responsibility to another Party or to any other person or entity resulting from the use of any information so furnished or otherwise provided pursuant to this Agreement.