

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

Date & Time: Wednesday, September 14, 2016
9:00 a.m. – 2:30 p.m.

Place: Merwin Hydro Control Center
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"> ➤ Introduce Summer Peterman and TCC members ➤ Review Agenda & 7/13/16 Meeting Notes ➤ Comment & accept Agenda & 7/13/16 Meeting Notes
9:15 a.m.	Public Opportunity
9:45 a.m.	Updates <ul style="list-style-type: none"> ○ Swift Creek Fire ○ BPA Corridor Update
10:00 a.m.	TCC Confidential Topics <ul style="list-style-type: none"> ○ Unit 8 Property Survey Update ○ HCC Tree Removal Approval ○ Land Acquisition Update
11:00 a.m.	<ul style="list-style-type: none"> ➤ Next Meeting's Agenda Note: all meeting notes and the meeting schedule can be located at: http://www.pacificorp.com/es/hydro.html
11:15 a.m.	Safety ¹ orientation for tour to Buncombe Hollow Meadow
12:00 p.m.	Lunch at Buncombe Hollow Orchard and Meadow
12:30 p.m.	121547CC timber harvest red alder plantings
1:00 p.m.	Cowlitz PUD interconnect project at Merwin Substation
2:30p.m.	<i>Return to HCC – Meeting adjourn</i>

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

Please bring your lunch

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: 885150

FINAL Meeting Notes
Lewis River License Implementation
Terrestrial Coordination Committee (TCC) Meeting
September 14, 2016
Ariel, WA & Field Tour

TCC Participants Present: (9)

Ray Crosswell, RMEF
 Kendel Emmerson, PacifiCorp
 Kim McCune, PacifiCorp
 Summer Peterman, PacifiCorp
 Peggy Miller, WDFW
 Eric Holman, WDFW
 Erik White, Cowlitz Indian Tribe
 Nathan Reynolds, Cowlitz Indian Tribe

Guest

Chris Blodgett, Citizen

Calendar:

October 12, 2016	TCC Meeting	TBD
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Assignments from September 14, 2016	Status
Emmerson: Request Chilton Logging to determine triple stumpage value for trees to be removed for the Cowlitz PUD interconnect project on WHMP lands.	Complete – 10/11/6
McCune: Review all relevant materials for language that guide the TCC for removal or reclassification of WHMP lands, relating to Cowlitz PUD interconnect project. Is Exhibit G affected?	Complete – 9/16/16

Assignments from July 13, 2016	Status
McCune: Email WDFW and request update for SA 10.3.3 – Eagle Island Proposal	Complete – 7/13/16
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).	Pending

Kendel Emmerson (PacifiCorp) called the meeting to order at 9:05am. All participants identified themselves and for the benefit of the attending guest. Emmerson also introduced Summer Peterman, a Wildlife Biologist who will be assisting with fulfilling the obligations of the Lewis

River Wildlife Habitat Management Plan (WHMP). Emmerson reviewed the agenda and asked the TCC if there were any changes/additions. The following additions will be made:

- Bat Cave Update
- Public Access update
- Unit 7 – Osprey Nest Update
- Eagle Island Restoration Update
- Mt. St. Helens Goat Survey Update

Emmerson reviewed the TCC July 13, 2016 Meeting Notes which were approved at 9:15am without change.

Public Comment Opportunity: McKee Meadows/Timber Harvest

Chris Blodgett, a private citizen joined the TCC meeting today to ask a number of questions and express concerns (outlined with bullets below) specific to the McKee Meadows Timber Harvest and the wildlife management actions approved by the TCC and recently completed. Both the Upper and Lower McKee Meadows were expanded and restored. The expansion required some tree removal and was completed in coordination with an adjacent timber harvest.

Blodgett expressed that:

- Where did the funds come from to pay for the McKee Meadows activity?
- Are the ratepayers covering these expenses?
- He thinks the project was an egregious use of funds.
- Concerned about the unnecessary equipment on site at a great expense?
- What is the gain of removal of habitat and understory?
- Why were logs brought into the harvest area?
- Will PacifiCorp spray large maple stumps with crown sprouting?
- He is worried about erosion.
- He views the McKee Meadows site as a monoculture tree farm rather than managing for diversity.

McCune directed Blodgett to Section 10.3 of the Settlement Agreement to address how the WHMP is funded by the Utilities. However, the correct section is 10.8.2.1 as indicated below:

10.8.2.1 PacifiCorp. PacifiCorp's level of funding will be tied to the Interests in Land that PacifiCorp owns or controls, as follows: (i) PacifiCorp shall fund \$27 (in 2003 dollars, Adjusted for Inflation) per acre for lands it owns in fee simple that are managed under its WHMP as of that date; and (ii) PacifiCorp shall fund \$13.50 (in 2003 dollars, Adjusted for Inflation) per acre for other Interests in Land, including, without limitation, conservation easements and similar Interests in Land that are managed under its WHMP as of that date.

10.8.2.2 Cowlitz PUD. Cowlitz PUD shall fund \$27 per acre (in 2003 dollars, Adjusted for Inflation) for lands it owns in fee simple that are managed under its WHMP as of that date.

McCune also suggested Blodgett review the WHMP 2016 Plan located on the Lewis River website for detailed information of habitat management plans and the associated budget. A link is provided below for convenience:

WHMP 2016 Annual Plan and Appendix B to address specific the budget across the management areas and Plan-Wide Goal

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensing/Lewis_River/li/ar/2016_PacifiCorpAnnualPlan_Final_wAPPEN.pdf

The TCC expressed that the forest management implemented in McKee upper and lower meadows and corresponding timber harvest is approximately 3% of the management unit considered to balance forestry, wildlife, maintenance, road building, invasives and consideration of a whole scope of habitat enhancement needs across the landscape for the remaining 42 years left of a 50-year FERC license. Over the lifetime of the WHMP 52% of Management Unit 3 will never be managed.

It is the consensus of the TCC that public comment and participation is welcome and often many projects have been altered by public comment, however, in the case of McKee Meadows restoration the TCC agrees that the project proposed was a great use of funds and benefit to the landscape.

Blodgett indicated he would come to as many TCC meetings as possible in the future prior to approval of future forestry projects. The TCC invited him to participate in the future as each meeting is open to the public to include a public comment opportunity.

Swift Creek Fire

Emmerson reported that there was a small fire at Swift Creek on Cowlitz PUD and PacifiCorp land and approximately 8 acres were affected. A report is expected from Department of Natural Resources in October 2016.

BPA Corridor Update

A record of decision (ROD) is expected soon from BPA, designs are at 90% and there are two crossings (Troutdale and Lewis River). The project will take approximately 5-6 years to build. BPA is conducting a “no wires” effect study simultaneously and this needs to be completed before they can proceed.

Public Access Update

Ecology blocks will be added to the following locations September 2016

- 2600 road
- Beaver Bay
- Hanley Curry

Unit 7

Emmerson conducted osprey nest monitoring while the feller buncher was falling trees within the disturbance buffer zone. It was scheduled for two day, but the work was completed in one day. The osprey showed no signs of disturbance during the 4-hour monitoring.

Osprey Meadow Update

The logging and slash piling is completed. To remove the slash to plow and seed in 2016 was going to be very costly, so a small shovel will be on site when the piles are burned to feed slash into the piles. This should effectively remove all the slash. In April 2017 the area will be smoothed with cat and then plowed and seeded.

Unit 19

Thinned and harvest by Cougar; thin was light; concerned we will not get grasses we want. The harvest areas are small, flat, and surrounded by tall timber and we should have been more aggressive scarifying. Lesson learned is that we should have created patches and thinned more to fewer trees per acre in this area.

Eagle Island Restoration Update

Herbicide application is complete and approximately 100 acres have been treated for scotch broom. The treatment was very successful.

Woodland Release Ponds – Eagle Tree Update

PacifiCorp secured the appropriate permit for eagle disturbance and to remove the old nest tree. This is a cottonwood tree that still has a remnant nest that has not been used for 10 years; unfortunately the tree has a rotten core and will be a hazard to the structure and employees. PacifiCorp has been granted a permit to remove the tree, which is scheduled for next week.

Mt. Saint Helens – Mt. Goat Survey Update

Eric Holman (WDFW), Erik White (Cowlitz Indian Tribe) and Nathan Reynolds (Cowlitz Indian Tribe) reported that the goat survey completed this summer was the 3rd year of on-the-ground surveys in the Mt. St. Helens volcanic monument. Below are the approximate counts from each survey:

Year 1 – 62

Year 2 – 151

Year 3 – 162*

*weather was rainy and foggy; the count was challenged by lack of visibility.

Break 10:25am

Reconvene 10:30am

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Unit 8 Property Survey Update - *Certain details are considered confidential and proprietary and not for public viewing.*

A survey of the subject site was completed and staked. Structures were identified on PacifiCorp land. PacifiCorp will be scheduling a meeting with the landowner to discuss options and next steps.

HCC Tree Removal Approval - *Certain details are considered confidential and proprietary and not for public viewing.*

The project will be complete October 2016. Three (3) big leaf maples will be removed for security reasons.

Land Acquisition Update – *Certain details are considered confidential and proprietary and not for public viewing.*

The appraisal scope of work contract is with PacifiCorp legal review. PacifiCorp representatives met with the forester regarding scarification with plans to enter the property next year, if possible.

Bat Cave Update - *Certain details are considered confidential and proprietary and not for public viewing.*

Welding repair completed at public access gate. All other conservation, wildlife and habitat discussion is considered confidential.

Emmerson conducted a safety orientation to inform the participants that the drive will be approximately 60 minutes. The tour will then include hiking in the forest meadows to include Buncombe Hallow Orchard and Meadow and the Cowlitz PUD project at Merwin Substation. No PPE is required other than good hiking shoes. There is cell service, many tripping hazards and it is bee season. No active overhead working at this time and do not approach the fence at the substation. There will be a brief stop for lunch.

<11:40 a.m. depart for field tour>

121547CC Timber Harvest Red Alder Plantings

Unit 15 timber harvest area and meadow

Timber harvest area 151547CC was grass seeded in 2012 with the following mix:

Botanical Name	Common Name	% by weight
<i>Lolium multiflorum tetraploid var tetrastar</i>	Annual Ryegrass	25.00%
<i>Lolium perenne tetraploid var Albion</i>	Albion Perennial Ryegrass	15.00%
<i>Dactylis glomerata var. Quick draw</i>	Orchardgrass	22.00%
<i>Trifolium incarnatum</i>	Crimson clover	12.00%
<i>Trifolium repens var Domino</i>	Domino White Clover	10.00%
<i>Trifolium repens var. Ladino</i>	Ladino White Clover	10.00%
<i>Sanguisorba minor</i>	Small Burnet	5.00%
<i>Epilobium angustifolium</i>	Fireweed	1.00%

It was planted with 1800 Douglas firs and 2200 red alders and the naturally generated alders were sprayed in 2015.

Buncombe Hollow meadow was harrowed and grass seeded in May 2013 with the following mix:

- 29.81% Teton Tall Fescue
- 19.69% Tetra Sweet Tetraploid Perennial Ryegrass
- 18.69% Rushmore orchardgrass
- 9.99% Climax Timothy
- 9.86% Ladino White Clover
- 4.93% Medium Red Clover
- 4.92% Feast II Italian Ryegrass



Snag retention and red alder sapling growth in 121547CC



121547CC alder sapling three years after planting and 2015 treatment of naturally regenerated alder

- **Buncombe Hollow Orchard and Meadow Tour**



Buncombe Hollow Meadow following grass seeding - May 2013



Buncombe Hollow Meadow - September 2016



Buncombe Hollow Orchard periwinkle control - August 2013



Buncombe Hollow Orchard - September 2016



Buncombe Hollow Orchard - September 2016

Cowlitz PUD Interconnect Project at Merwin Substation

The TCC toured an area of WHMP land approximately 30' in depth, surrounding two sides of the Merwin Substation that requires clearing to accommodate a utility interconnect project. The TCC discussed a number of concerns/questions that they wish addressed prior to approval, to include but not limited to the following:

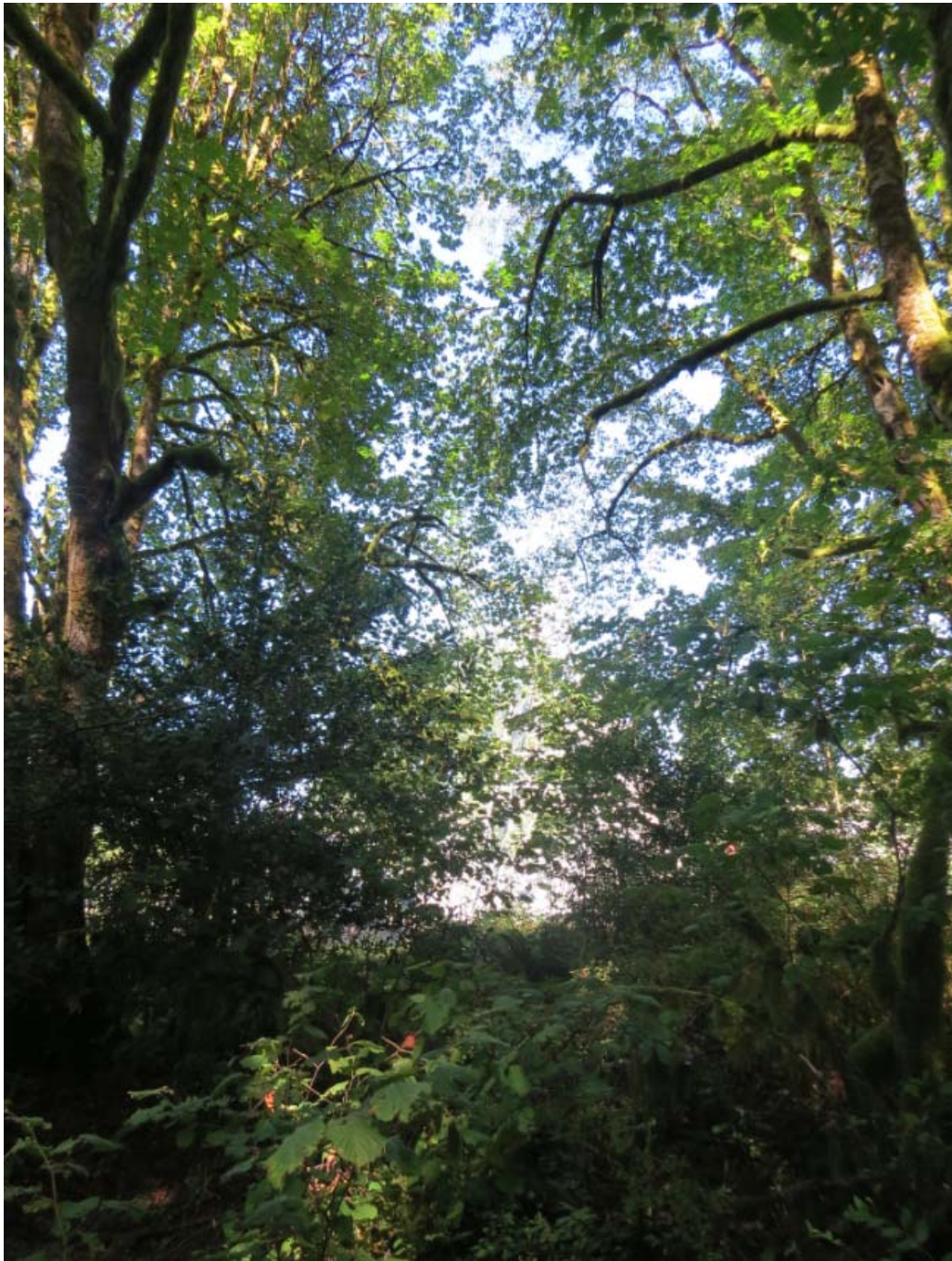
- What is value of habitat loss, to include the land?
- If Transmission were to mitigate for the loss of WHMP lands what does this mitigation include?
- Can Transmission assist with closing off ATV access at nearby areas with excessive habitat damage due to illegal ATV use?
- What does Lewis River Settlement Agreement and FERC license say about loss or reclassification of WHMP lands?
- How is Exhibit G affected if loss of WHMP lands?



Project proposed for clearing adjacent to Merwin Substation (approximately .75 acres)



Project proposed for clearing adjacent to Merwin Substation (approximately .75 acres)



Looking at the existing Merwin Substation from the area proposed for clearing
(approximately .75 acres)

Note: If approved by the TCC the large Douglas fir on site will be left on the ground and used as habitat logs in 2017 proposed timber harvest area

<2:30pm Meeting Adjourned – return to HCC>

Agenda items for October 12, 2016

- Review September 14, 2016 Meeting Notes
- McKee Meadow Field Tour

Next Scheduled Meeting

October 12,2016
TBD – meeting may be postponed until November 2016

Attachments:

- September 14, 2016 Meeting Agenda
- **Attachment A** – Merwin Substation Topographic Survey - **CONFIDENTIAL**