

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

Date & Time: **Wednesday February 10, 2016
9:00 a.m. –12:45 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">➤ Review Agenda & 1/13/16 Meeting Notes➤ Comment & accept Agenda & 1/13/16 Meeting Notes
9:15 a.m.	WDFW - 10.3.3 Contribution of Additional Matching Funds; Presentation and Discussion
10:15 a.m.	Break
10:30 a.m.	Cowlitz PUD – Review of WHMP 2016 Plan
11:00 a.m.	PacifiCorp – Review of WHMP 2016 Plan
12:00 p.m.	Look at HCC trees identified for removal due to security concerns
12:30 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/hl/lr.html#
12:45 p.m.	Adjourn

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Join by Phone
+1 (503) 813-5252 [Portland, Ore.]
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Conference ID: 885150

FINAL Meeting Notes
Lewis River License Implementation
Terrestrial Coordination Committee (TCC) Meeting
February 10, 2016
Conference Call Only

TCC Participants Present: (10)

Ray Crosswell, RMEF
 Kirk Naylor, PacifiCorp
 Kendel Emmerson, PacifiCorp
 Kim McCune, PacifiCorp (via conference)
 Peggy Miller, WDFW
 Eric Holman, WDFW
 Nathan Reynolds, Cowlitz Indian Tribe
 Erik White, Cowlitz Indian Tribe

Guests

Daren Hauswald, WDFW
 Stephanie Bergh, WDFW

Calendar:

March 9, 2016	TCC Meeting	HCC
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Assignments from February 10, 2016	Status
Hauswald: WDFW was requested to come back to the TCC with a budget breakdown (itemize in-kind, mowing, planting & spraying) to include a letter on WDFW letter head requesting the funds.	Complete – 2/16/16

Assignments from January 13, 2016	Status
Naylor: Report back to the TCC this Spring during a regularly scheduled TCC meeting regarding removal of maple trees at Merwin Hydro Control Center specific to the FERC security concerns.	TBD

Parking Lot Item	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

Kirk Naylor (PacifiCorp) called the meeting to order at 9:05am. Naylor reviewed the agenda and asked the TCC if there were any changes/additions. Naylor indicated that in addition to the PacifiCorp review of the 2016 WHMP Plan they would also provide a summary of the 2015 annual report. Naylor also said that PacifiCorp hadn't received any word to date on the Final BPA EIS for the I-5 Corridor Transmission Project and there was nothing new to report regarding the Cowlitz PUD-PacifiCorp inter-connect at the Merwin Substation.

Naylor reviewed the January 13, 2016 meeting notes and assignments. The meeting notes were approved at 9:10 a.m. without change.

10.3.3 Contribution of Additional Matching Funds Presentation, Daren Hauswald – WDFW

Daren Hauswald from Washington Department of Fish & Wildlife (WDFW) provided a project Pre-proposal and PowerPoint presentation titled, *Eagle Island Upland Restoration* to request matching funds in accordance with the Lewis River Settlement Agreement 10.3.3 as stated below. Further detail can be viewed on the Lewis River website at the following links:

PowerPoint

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensing/Lewis_River/li/tcc/Eagle%20Island%20Restoration.pdf

Pre-Proposal

http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensing/Lewis_River/li/tcc/LR%20Eagle%20Isl%20Proposal.pdf

10.3.3 Contribution of Additional Matching Funds. In addition to the contributions made under Section 10.3.1, beginning 18 months after Issuance of the New License for the Yale Project or Swift No. 1 Project, whichever is earlier, PacifiCorp shall match the contributions of local, state, and federal agencies, and other persons or organizations, made for the purposes of this Section 10.3, in an amount not to exceed \$100,000 per year, and not to exceed \$500,000 in any ten consecutive years. Any Party may propose a source of matching funds under this subsection. If and only if a commitment of funds is made by a party other than PacifiCorp, for acquisitions of Interests in Land or for implementation of habitat enhancement projects approved by the TCC, PacifiCorp shall provide matching funds within the limits set forth above at closing of the real estate transaction; no fund will be created. The TCC will identify Interests in Land for acquisitions or identify habitat enhancement projects to be funded with matching funds, and PacifiCorp shall execute approved acquisitions and implement approved enhancement measures.

Hauswald informed the TCC attendees that the objective of the Eagle Island Upland Restoration project is to clear approximately 100+ acres of scotch broom on the island through herbicide applications and mechanical removal and restore the area by planting native deciduous trees and herbaceous shrubs for the benefit of numerous wildlife species that are present on the island and surrounding areas. Creating quality black-tailed deer habitat will be the goal of the project but keeping in mind other species as well while the site is going through the restoration and succession phases. Other species that would benefit from this would include: elk, bear, band-tailed pigeon, mourning dove, waterfowl, and several songbird species. This project will be multi-phased and multi-year with long-term monitoring and benefits. It is expected that this project could take up to 10 years to reach the end of the restoration phase depending on funding.



Hauswald shared with the TCC attendees WDFW's restoration approach, timeline and cost over a 5-year period to include:

- Control scotch broom through aerial herbicide application.
- Mow scotch broom
- Over-seeding the area with a pasture mix may occur after mowing
- Retreat area with an herbicide application if needed
- Plant area with native tree and shrub species (suggested species included cottonwood, ash, hazel, oak and serviceberry),
- Monitor area for weeds and success of plantings

Phase 1 aerial herbicide application will be scheduled for end of May 2016 or early June 2016 at a cost of approximately \$100 per acre. Within the PowerPoint presentation Hauswald provided photos of an aerial treatment on the mudflow unit two weeks after application and 8 months after herbicide application.

Phase 2 (Year 1 or 2) includes mowing of scotch broom (about 100 acres) at a cost of \$300 per hour.

Phase 3, if needed, will be additional aerial treatment at year 3 or 4 if there are any new infestations of scotch broom at a cost of \$100 per acre.

Phase 4 (Year 4 or 5) will include planting of native trees and shrubs that are drought tolerant (approx. 400 trees/shrubs per acre) at a cost: \$1 per tree, \$40-50,000 to plant entire site, which includes cost of planting crew.

And Phase 5 will be site monitoring for weed infestations and treated as necessary, monitoring of plantings for survival and additional plantings will occur as needed at a cost of \$2-3,000 annually.

The total restoration cost is:

- Phase 1 - \$10,000 one-time
- Phase 2 - \$30-40,000 one-time
- Phase 3 - \$10,000 one-time
- Phase 4 - \$40-50,000 one-time
- Total initial restoration cost: \$80-\$110,000
- Phase 5 - \$2-3,000 annually

Hauswald expressed that WDFW will allocate \$16,500 for the restoration efforts over the next two years- \$10,500 for the aerial spraying and \$6,000 for the clearing of the scotch broom, and WDFW will continue to pursue additional funding sources over the lifetime of the project.

WDFW would like to request \$16,500 in accordance with the 10.3.3 Lewis River funds for the scotch broom clearing phase of the restoration efforts on Eagle Island. Funds are to be used by August 31, 2017.

The funding request is for \$16,500 to help pay for the second phase of the project which will include the mowing of the scotch broom after it has been sprayed.

Phase 1- Aerial Spraying	WDFW Funding	PacifiCorp Funding
Salaries and Benefits	\$500	\$0
Flight time/Helicopter	\$5,000	\$0
Herbicides	\$5,000	\$0
Total Phase 1- Aerial Spraying	\$10,500	\$0
Phase 2- Mowing of scotch broom		
Salaries and Benefits	\$1,000	\$0
Contractor mowing of scotch broom	\$5,000	\$16,500
Total Phase 2- Mowing of scotch broom	\$6,000	\$16,500
Total funding allocations for proposed project	\$16,500	\$16,500

The TCC attendees discussed mowing techniques, herbicide use and cost, indigenous species, neighbor notification for access and annual funding. WDFW was requested to provide the TCC with a budget breakdown (itemize in-kind, mowing, planting & spraying) and to include a letter on WDFW letter-head requesting the funds.

The TCC would also like a 1-2-page progress report after project status after the grant term expires (12-31-2017).

*The TCC agreed to approve 10.3.3 Lewis River funding in the amount of \$16,500 to fund the WDFW Eagle Island Restoration project for the noxious weed mowing and replanting project in accordance with its budget and pre-proposal (**Attachment A**).

* *Diana Gritten-MacDonald (Cowlitz PUD) expressed that the landowner is responsible for weed control and does not support using funds for this purpose. She is abstaining from the decision.*

Naylor responded that invasive weed management is part of the utilities respective WHMP' s and therefore consistent with the intent of the 10.3.3 funding.

<Break 10:30am>

<Reconvene 10:40am>

Cowlitz PUD – Review of WHMP 2016 Plan

Diana Gritten-MacDonald (Cowlitz PUD) provided a cursory review of its 2016 *Wildlife Habitat Management Annual Plan* (WHMP) which was provided to the TCC on February 2, 2016 for a 30-day review and comment period. **TCC comments due on or before March 4, 2016.**

In accordance with the TCC request to defer 35% of Cowlitz PUD Annual Plan spending beginning in 2015 and with Section 10.8.2.3 of the Lewis River Settlement Agreement, the Table below represents the anticipated 2016 (Year 8) annual Plan budget (2016 dollars):

2016 Budget		
Dec 26, 2015 Annual Payment	\$18,214	
2015 Timber Fund Carry Forward	\$7,441	
2015 Carry Forward	\$ 6,740	
Interest on 2015 Ending Balance	\$ 461	
Total 2016 Budget	\$ 32,856	
WHMP Activity	Estimated 2016 Cost	Assumptions
Administration	\$5,000	Includes general oversight and accounting, preparing Annual Report and Annual Plan, contracting, maintaining project files, participating in TCC meetings related to implementing Cowlitz PUD's WHMP.
Annual inspection to monitor and manage public access	\$0	Included in invasive plant surveys.
Invasive plant surveys at high priority sites	\$3,600	Includes labor and mileage. 3% increase over 2015.
Invasive plant species control	\$3,000	Includes 2 herbicide applications in 2016.
2016 Timber Management Fund	\$6,375	Defer at least 35% of the annual budget.
Estimated cost of management activities	\$17,795	
Estimated amount remaining in 2016 budget at year end	\$14,881	Any funds not spent by year end, plus accrued interest, remain in the WHMP budget to be carried into the following year.

The TCC requested Gritten-MacDonald to separate out the 2015 Timber Fund Carry Forward (\$7,441) in the final Plan version and when the timber fund goal is expected to be met.

PacifiCorp - Review of Lewis River WHMP Annual Progress Report for Operation Phase 2015

Kirk Naylor and Kendel Emmerson (PacifiCorp) provided a review of the *Lewis River WHMP Annual Progress Report for Operation Phase 2015*, which was provided to the TCC electronically for its 30-day review and comment period. **Comments are due by March 2, 2016.**

The complete document can be viewed on the Lewis River website at the following link:
<http://www.pacificorp.com/es/hydro/hl/lr.html#>

- License Implementation
- Reports
- 2015 ACC/TCC Annual Report
- WHMP 2015 Annual Report – Draft

Section 7.0 Access Control and Disturbance Reduction

Emmerson expressed to the TCC attendees that in the wetland visual encounter survey results (Cedar Grove pond) there were approximately 100 dead bullfrog tadpoles within the water on July 29, 2015.

In March, a screen of 23 shrubs was planted along the northern border of the Leach Field Meadow to screen the meadow from the adjacent homes and to prevent further all-terrain vehicle (ATV) trespass. The plantings received a supplemental watering in June, July, and August.

In December the exclosures along Hamm Meadows 1 and 2 were expanded to allow for the sapling growth.



Leach Field Meadow screen planting.

Section 9.0 Transmission Line ROW

The transmission line plantings in Cougar Creek, S. Dubois Road, Studebaker Road, and Woodland Park Road did not come from WHMP budget, but were paid by PacifiCorp's Vegetation Management Services.

Section 11.0 Forestland Habitat Management

Naylor informed the TCC attendees that PacifiCorp is pleased with the timber management/harvest completed in 2015. Forest harvest management was conducted to improve big game forage in Units 5 and 35 as planned. The report provides pre and post-harvest pictures of the commercial thin in Unit 5 and the objectives were largely met although some areas were harvested a little heavier than other areas. PacifiCorp looks forwards to touring the TCC through the Unit 5 and 35 forest management areas. Unit 35 is the an excellent example of protecting as much shrubs as possible while clearing additional areas for more open forage and improving growing conditions for the overstory conifer.

Management Unit 5 – Commercial Thin/Clear-cutting



Typical understory in Unit 5 (pre-harvest) before commercial thin in 2015 to improve understory diversity.

In the Unit 5 commercial thin, thinning was proposed at a spacing of approximately 14 feet to encourage understory development of early seral vegetation and to improve forest health and stand longevity. The result of the thin will be measured over time as to whether the understory develops shrubs and if tree spacing results in well-developed crowns and large diameters.



Post-harvest commercial thin in Unit 5.

Management Unit 35 – Commercial Thin/Clear-cutting

The result of the Unit 35 harvest developed both a thinned stand and small clearcuts where there were few open forage areas prior. A permanent meadow of 0.7 ac was established in the northwest corner of the harvest and an area of dense shrubs was retained on approximately 5.0 acres with most of the tree canopy removed. The combination of the meadow and shrubland provide 5.7 acres of permanent early seral habitat in the 799 acre management unit.



Post logging, commercially thinned stand.

11.2.12 Invasive Plant Control

The total acres treated was approximately 621.3 compared to the planned 583.0 acres. Bracken fern that was not treated in 2014 was prioritized in 2015 to improve forage availability. Bracken fern is a significant issue in shading out grass and legume forage and it is avoided by big game species when it comprises significant stands.

16.0 Monitoring

Naylor pointed out some observations regarding the monitoring of forage establishment in Management Units 25, 33 and 28. Grass senescence both within and outside the exclosures in Unit 28 appears significantly less compared to the same grasses in Unit 33 (same seed mix). This could be due to a number of factors including shading that prevented grasses from drying out, greater soil moisture or increased grazing pressure in the smaller forage area. All seeded species are established except that shading may be affecting forage quality and quantity (more bare ground in Unit 28). There is also more bracken fern within the Unit 28 THA.

The low frequency of legumes observed in all but Unit 25 is disappointing given the high percentage they represented in the forage mixes. It is possible that the white clovers intolerance of cold winters may limit its establishment during some years. The early senescence of tall fescue (*Festuca arundinacea* var. Rustler) observed in Unit 33 has also been disappointing. This particular forage species was selected as being similar to Idaho fescue (*Festuca idahoensis*) for providing good year-round forage with a late senescence. Whether it is related to drought conditions or this particular site, the tall fescue appears to be used less than anticipated and less than the other forage species provided.

PacifiCorp 2016 Annual Plan Overview

Annual WHMP Budget – Calendar Year 2015 and 2016

Emmerson reported that PacifiCorp is undergoing corrections in its GIS data layers. In 2014 the WHMP fee simple lands totaled 13,134 acres and 2015 resulted in a total of 13,276 acres.

The wetland budget increased by \$13,000 in 2016 in order to address big weed projects such as at Frasier diversion where canary grass is taking over. There also exists considerable blackberry at Unit 25 and would like to begin controlling the blackberry beginning with Swift Warehouse Pond. In addition, blackberry has choked the stream at Hamm Meadow and diverted water into the meadow which has now become a hydrology issue. Yellowflag iris removal at Beaver Bay Wetland

5.0 Riparian Management

In addition, blackberry has choked the stream at Hamm Meadow and diverted water into the meadow which has now become a hydrology issue.

Frasier Creek – the exclosures will be removed around shrubs that twice the height of the exclosures and expanded on the willow plantings

The snags across from Cresap Camp Marina will be fell in 2016 before March 1 to avoid nesting birds.

Annual WHMP Budget				
Calendar Year 2016				
License Year 8		WHMP Implementation Year 7		
		2015 Funds	2016 Funds	
Total Available Funds				
Fee Simple Lands	Acres	13,134	13,276	
	Cost Per Acre	\$33.76	\$34.96	
	2014 Escalation Correction	\$5,771.29	\$0.00	
	SubTotal	\$449,166.93	\$464,065.35	
Interests in Lands	Acres	16	16	
	Cost Per Acre	\$16.88	\$17.11	
	SubTotal	\$270.08	\$273.82	
Other Additional Funds	Remaining Funds from	\$4,310.29	\$472.90	
	Additional HEP Funding	\$0.00	\$0.00	
	RMEF	\$0.00	\$0.00	
	Interest	\$15,070.38	\$19,186.22	
	SubTotal	\$19,380.67	\$19,659.12	
Total		\$468,817.68	\$483,998.30	

6.0 Shrubland Habitat Management

Status quo

7.0 Farmland Habitat Management

There is a list of noxious weed targets that will be listed by priority. May not enough money to hit all of the areas.

Hanley-Curry meadows will be restored in 2017 & 2018. In preparation all of the blackberry along the edges and shrub islands within will be sprayed and mowed. After the meadows are restored the visual screens will be expanded, so the loss of the shrub islands will be replaced with a more desirable native shrub option.

8.0 Orchard Management

Buncombe Hollow will have at least two noxious weed treatments to remove all the thistles, bracken fern, common snowberry, and other noxious weeds.

9.0 Transmission Line Right-of-Way Habitat Management

Beaver Bay to Cougar trail was completed in 2015. This provides access to a solid mass of blackberry in a series of spring below the transmission line. This year we will cut and spray all blackberry between 7/1 and 8/1. Not sure what existing native plants may return or what the hydrology looks like, so seeding and planting won't take place for a couple of years.

10.0 Unique Area Habitat Management

Last year PacifiCorp had to build a path across Yale Dam to place some monitoring equipment on Yale dam. This required surveying and relocating Larch Mountain salamanders prior to construction. In 3 surveys they found almost 60 Larch Mountain Salamanders. Kendel wants to use WHMP funds to survey the project footprint in 2016 to see if Larch Mountain Salamanders recolonized the area within 1 year of construction.

TCC agreed that that this was good information to have but wanted the dollars spent out of monitoring.

13.0 Forestland Habitat Management

A total of 76.8 acres (31.1 hectares [ha]) are proposed for even-age (clear-cut) and commercial thinning in Management Units 3, 7, and 19. The TCC has already reviewed the proposed management in Unit 3 adjacent McKee Meadows.

Management Unit 7 is located on the Merwin project and is one of the larger management units at 526.5 acres (213.1 ha) and has a current Cover:Forage (C:F) ratio of approximately 70:30. The WHMP proposed managing the unit at approximately a 50:50 C:F ratio. Management of the unit has emphasized improved elk forage, maintaining old growth habitat and protecting several osprey nest sites and one bald eagle nest site. The most recent forest harvest in the management unit was in 2005. There are three separate forest harvests planned in Management Unit 7. Two of these are specifically planned for wildlife habitat enhancement and a third is proposed to remove a small stand of trees heavily infected with disease that impacts safety to facilities at the Speelyai Fish hatchery and to the Speelyai transmission line. Overall, the three separate harvests include a total of 27.9 acres (11.3 ha) of harvest but only reduces the effective C:F ratio from 70:30 to 68:32 because of the large size of the management unit.

Management Unit 19 is a total of 163.4 acres (66.1 ha) and is located south and east of the town of Cougar. There are four separate harvest sites in Management Unit 19. Three of these sites are prior timber harvest areas (1986) that are currently pole conifer stands proposed for commercially thinning. The fourth site is a mixed stand of vegetation timber types including Upland Mixed, Mid Successional and Upland Deciduous. The eastern edge of a Northern Spotted Owl (*Strix occidentalis*) (NSO) 1.8 mile radius management circle (Site No. 849) overlaps part of the proposed harvest areas but part of the proposed management is intended to enhance NSO stand characteristics. Due to past disturbances in part of the stand as well as more recent trespasses in the area, there are lots of issues and opportunities in managing the area. There is significant discussion in the Annual Plan regarding the proposed management.

Invasive plant control in the forest management areas includes 265.7 acres identified as priority 1 and an additional 246.8 acres identified as priority 2. The overall majority of priority 1 and 2 species to control is Himalayan blackberry and scotch broom. Compared to 2015 vegetation control treatments there are an additional 164.3 acres (66.5 ha) proposed for invasive plant control.

BPA I-5 Corridor Reinforcement Project Update (Attachment B)

BPA indicated that they expected the Environment Impact Statement (EIS) to be signed sometime in January 2016 but that their management could accept the preferred alternative or defer a preferred alternative to a later date. As of this meeting, PacifiCorp has not heard of the EIS being signed.

<1:30 p.m. meeting adjourned>

Agenda items for March 9, 2016

- Review February 10, 2016 Meeting Notes
- Review PacifiCorp Lewis River WHMP 2016 Annual Plan
- Tour Upper and Lower Hanley Curry meadows
- Tour proposed 2016 forest management areas.
- Tour 2015 completed forest management in Unit 5, if time allows

Next Scheduled Meetings

March 9, 2016
Merwin Hydro Control Center
Ariel, WA

Attachments:

- February 10, 2016 Meeting Agenda
- **Attachment A** - Revised Eagle Island Restoration Project Pre-proposal, February 16, 2016
- **Attachment B** – BPA I-5 Corridor Reinforcement Project Update – Final EIS Completed, dated February 3, 2016

PRE- PROPOSAL FORM (revised 2.16.16)

Form Intent:

To provide a venue for an applicant to clearly indicate the technical basis and support for proposed use of 10.3.3 funding per the Lewis River Settlement Agreement. Specifically identify the project's consistency with Settlement Agreement Fund objectives and any technical studies and assessments which support the proposed action and approach.

10.3.3 Contribution of Additional Matching Funds. In addition to the contributions made under Section 10.3.1, beginning 18 months after Issuance of the New License for the Yale Project or Swift No. 1 Project, whichever is earlier, PacifiCorp shall match the contributions of local, state, and federal agencies, and other persons or organizations, made for the purposes of this Section 10.3, in an amount not to exceed \$100,000 per year, and not to exceed \$500,000 in any ten consecutive years. Any Party may propose a source of matching funds under this subsection. If and only if a commitment of funds is made by a party other than PacifiCorp, for acquisitions of Interests in Land or for implementation of habitat enhancement projects approved by the TCC, PacifiCorp shall provide matching funds within the limits set forth above at closing of the real estate transaction; no fund will be created. The TCC will identify Interests in Land for acquisitions or identify habitat enhancement projects to be funded with matching funds, and PacifiCorp shall execute approved acquisitions and implement approved enhancement measures.

10.3.3 funding can be used per Section 10.3 to acquire or enhance wildlife habitat anywhere in the Lewis River Basin in the vicinity of the projects in order to meet the objectives of the Wildlife Management Plan. Enhancement projects may be carried out on lands owned by third parties.

Proposal format:

Please complete the following form for each proposal. Maps, design drawings and other supporting materials should be attached. The request is to be brief in response with a total completed form length of no more than 3 pages of text.

Please submit materials to:

Kirk Naylor
PacifiCorp – LCT 1500
825 NE Multnomah
Portland, OR 97232

1. Applicant organization.

Washington Department of Fish and Wildlife

2. Organization purpose

To preserve, protect, and perpetuate fish, wildlife, and ecosystems while providing sustainable fish and wildlife recreational and commercial opportunities.

3. Project manager (name, address, telephone, email, fax).

Daren Hauswald

2108 Grand Blvd.

Vancouver, WA 98661

360-906-6756

daren.hauswald@dfw.wa.gov

4. Project Title

Eagle Island Upland Restoration

5. Summary of Project proposal

The objective of the Eagle Island Upland Restoration project is to clear the 100+ acres of scotch broom of the island through herbicide applications and mechanical removal and restore the area by planting native deciduous trees and herbaceous shrubs for the benefit of numerous wildlife species that are present on the island and surrounding areas. Creating quality black-tailed deer habitat will be the goal of the project but keeping in mind other species as well while the site is going through the restoration and succession phases. Other species that would benefit from this would include: elk, bear, band-tailed pigeon, mourning dove, waterfowl, and several songbird species. This project will be multi-phased and multi-yearred with long-term monitoring and benefits. It is expected that this project could take up to 10 years to reach the end of the restoration phase depending on funding.

6. Project location (including River/Stream and Lat/Long coordinates if available).

The project is located on the southern and western half of Eagle Island on the North Fork of the Lewis River.

Center point if project area: Latitude:45.929361° Longitude:-122.698472°



7. Expected products and results (Please attach any drawings).

The outcome of this project is to create a landscape on Eagle Island that is usable and high quality habitat for wildlife, by removing non-native invasive weeds and replanting native and beneficial plant species in its place.

8. Benefits of proposed Project

The benefits of the project are removing non-native weeds that have little to no purpose in promoting habitat for wildlife species on the island and restoring the area to native plant species and quality habitat for game and non-game wildlife species.

9. Project partners and roles.

WDFW- Funding and implementation of restoration measures.

10. Community involvement (to date and planned).

To date there has not been any community involvement, but volunteer opportunities will exist in the future to help with tree planting, weed removal, and monitoring.

11. Procedure for monitoring and reporting on results.

Monitoring will include the use of photopoints to track changes over time on the island in several locations. Small test plots of native trees and shrubs will be planted to monitor survival. Site visits will be conducted to monitor and treat scotch broom and other invasive weeds on the island several times a year.

12. Project schedule (anticipated start date, major milestones, completion date).

Milestone	Anticipated Start Date	Anticipated End Date
Aerial Application to control scotch broom	5/20/16	6/30/16
Mowing of scotch broom	7/1/16	8/15/17
Overseeding the area with grass mix. May occur after the scotch broom was mowed	9/15/16	10/30/16
Second aerial application (if needed)	5/20/19	6/30/19
Planting of native trees and shrubs	2/1/20	3/30/21
Monitoring	7/1/16	Continuous

13. Funding requested (estimated cost for project design, permitting (including necessary resource surveys), construction, and monitoring).

The funding request is for \$16,500 to help pay for the second phase of the project which will include the mowing of the scotch broom after it has been sprayed.

Phase 1- Aerial Spraying	WDFW Funding	PacifiCorps Funding
Salaries and Benefits	\$500	\$0
Flight time/Helicopter	\$5,000	\$0
Herbicides	\$5,000	\$0
Total Phase 1- Aerial Spraying	\$10,500	\$0
Phase 2- Mowing of scotch broom		
Salaries and Benefits	\$1,000	\$0
Contractor mowing of scotch broom	\$5,000	\$16,500
Total Phase 2- Mowing of scotch broom	\$6,000	\$16,500
Total funding allocations for proposed project	\$16,500	\$16,500

14. Type and source of other contributions (Identify cash (C) and/or in-kind (IK), and status, pending (P) or confirmed (Co)).

The matching, in-kind confirmed funds from WDFW will be used to complete the aerial herbicide application and partial payment for the mowing of the scotch broom.

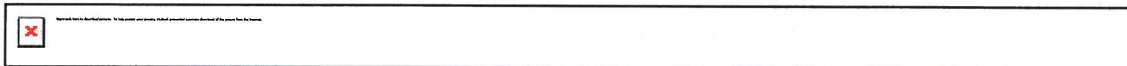
15. If you have technical assistance needs for this project, please briefly describe such needs.
I do not have any technical assistance needs for the project.

Emmerson, Kendel

From: BPA I-5 Corridor Reinforcement Project <i-5=bpa.gov@mail159.atl101.mcdlv.net> on behalf of BPA I-5 Corridor Reinforcement Project <i-5@bpa.gov>
Sent: Wednesday, February 03, 2016 2:25 PM
To: Emmerson, Kendel
Subject: [INTERNET] BPA I-5 Corridor Reinforcement Project Update - Final EIS Completed

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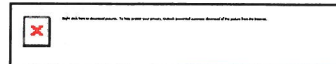
Project update

The Bonneville Power Administration is proposing to build a 500-kilovolt transmission line to reinforce the high-voltage power grid in southwest Washington and northwest Oregon as part of the [I-5 Corridor Reinforcement Project](#).

Final environmental impact statement released, decision expected late 2016

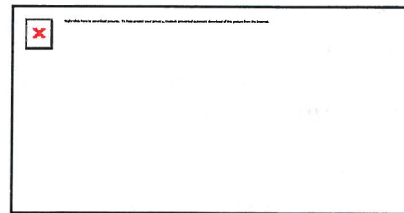
BPA has completed the final EIS for our proposed I-5 Corridor Reinforcement Project, updating the draft EIS we released for public review on Nov. 13, 2012. BPA's responses to comments on the draft EIS are found in Volume 3 (Volume 3A through 3H) of the final EIS and can be [searched online](#). You can find the final EIS [online](#), request to have a [copy on CD](#) mailed to you, or access a printed copy at several [community resource centers](#). Information about changes made to the EIS since the draft EIS was released can be found in the [Notes to Readers](#) at the beginning of the final EIS.

BPA's preferred route alternative for the transmission line remains the [Central Alternative using Central Option 1](#). BPA will continue to consider [all route alternatives](#) identified in the EIS until BPA's Administrator



This update has been abridged for electronic format. [Read the full letter](#).

February 2016 interactive map



We have posted an [updated version of the interactive map](#) that reflects proposed transmission tower and access road locations analyzed in the final EIS. For further instructions on finding your property, read our [guide to finding your property online](#).

The February 2016 map only includes BPA's preferred alternative. You can still view all other route alternatives on the [November 2012 interactive map](#). All route alternatives identified in the EIS will remain under

makes a decision about whether and where to build the project, expected in late 2016.

Next steps

The final EIS is a significant milestone in completing the National Environmental Policy Act review process for this proposal. However, we still have work to do before we can make a final decision about whether and where to build the project. We are further reviewing the cost and rate implications of the project and continuing to explore potential options that would not involve building the transmission line – referred to as “non-wire measures” – to see if there are any feasible and cost-effective options that could defer the need for the project, either in the long term or indefinitely. More information on this separate effort concerning the ongoing evaluation of non wire measures is in [Chapter 1](#) of the final EIS under Section 1.1.2.3. BPA soon will be posting a public update on our website on this and other due diligence efforts we are conducting before we make a decision about the project.

Given our desire to conduct this due diligence, we now expect to make a final decision about the project by the end of 2016. If BPA decides to build the transmission line, we would prepare and issue a record of decision that announces and explains our decision to build the project. The record of decision also would identify which route alternative we have chosen to construct.

In the interim, BPA will continue to work and communicate with our cooperating agencies, as well as with other federal, state, regional, and local agencies and officials, tribes, landowners, interest groups and citizens. Please [contact us](#) if you would like to discuss proposed locations of project facilities on or near your property.

Accessing the final EIS

The final EIS can be accessed in the formats listed below.

Online: The full document can be accessed on the project website www.bpa.gov/goto/i5.

consideration until BPA makes a decision about whether and where to build the project, expected in late 2016.

Contact us

Your questions and feedback about the project are welcome at any time.

Online: www.bpa.gov/goto/i5

Email: I-5@bpa.gov

Write: BPA I-5 Corridor

Reinforcement Project

PO Box 9250

Portland, OR 97207

Phone: 800-230-6593 (voicemail)

Fax: 888-315-4503

Compact disc: If you would like to request a CD be mailed to you, [submit a request online](#) or call and leave a message at 800-230-6593.

Printed copy of specific sections or summary: If you would like a printed copy of the summary or another chapter or section of the document, [submit a request online](#) or call and leave a message at 800-230-6593.

Printed copy of full document: The full document is more than 6,500 pages. To save paper and reduce costs, limited print copies will be available. If you are unable to access the document online or on CD, print copies can be reviewed at multiple community locations, listed below. If none of these options work for you, request a copy of the document by submitting a request [online](#) or by leaving a message at 800-230-6593.

EIS viewing locations

Full printed copies will be available for review at the locations listed below. All of these locations, except for Troutdale Library and Multnomah County Library, will also have CDs available for viewing. Four other libraries will assist patrons in finding the document online: La Center Community Library, Vancouver Cascade Park Library, Battle Ground Community Library and Yacolt Library Express.

Camas	Camas Public Library
Castle Rock	Castle Rock Public Library
Corvallis	Oregon State University, The Valley Library
Forest Grove	Pacific University, Forest Grove Campus
Longview	Longview Public Library
McMinnville	Linfield College, Nicholson Library
Monmouth	Western Oregon University, Hamersly Library
Portland	Lewis and Clark College, Paul L.

Boley Law Library

Portland State University, Branford P.
Millar Library

Multnomah County Library (Central)

Seattle University of Washington, Suzzallo
Library

Troutdale Troutdale Library

Vancouver Vancouver Community Library (main)

WSU Vancouver Library

Yacolt Yacolt Town Hall

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You received this email because you provided BPA with your email address at either a public meeting or while contacting BPA with questions or comments on the I-5 Corridor Reinforcement Project.

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