

## Project #15-1226, Deschutes RM 33 LWD Preliminary Design

Current Status: Application Submitted

### Project Details

**Primary Sponsor:** South Puget Sound Salmon Enhancement Group

**Primary Contact:** Jerilyn Walley  
(360) 412-0808 107  
jerilynw@spsseg.org

**Funding Program:** Salmon State Projects

**Lead Entity:** WRIA 13 Salmon Habitat Recovery Committee Lead Entity

**Project Type:** Planning

### Project Description

This project is seeking a planning level grant to develop preliminary designs to identify appropriate habitat structures and probable project costs at River Mile 33 on the Deschutes River. This project will build upon a conceptual level investigation completed on 2014 with limited funding from the Squaxin Tribe. This proposed design seeks to conduct additional geotechnical investigation and hydraulic modeling of an approximately 1,500 linear foot reach to enhance aquatic habitat in the reach by increasing the amount of large woody debris (LWD) resulting in adding channel and bank roughness to replace that lost due to loss of riparian habitat. The project will reduce fine sediments entering the system, create pools for refuge and add much needed LWD to this system. This project will advance designs with landowner and stakeholder input to add large in-stream LWD structures to the reach. The conceptual designs focused on a limited area of the study reach addressing only the area affected by the avulsion into the decommissioned gravel logging road. Further design analysis included in this project will identify and address projects risks as well as further refine project benefits. Additional design criteria that will be assessed include; environmental and habitat impact, project stability and life expectancy, infrastructure and private property impact, public safety and use, and construct-ability and construction impacts.

### Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer
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#### Completion Date

Projected date of completion	6/30/2017
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#### Sponsor Match: Monetary Funding

Amount of other monetary funding (A.12)	\$0.00
Project identifier for the other monetary funding (A.12.b)	NA
Source of other monetary funding (A.12.a)	NA

#### Sponsor Match: Donated Un-paid Labor (volunteers)

Value of Donated Unpaid Labor (Volunteers) (A.13.a.2)	\$0.00
Source of Donated Un-paid labor contributions (A.13.a.4)	NA

#### Sponsor Match: Donated Paid Labor

Value of Donated Paid Labor (A.13.b.1)	\$0.00
Source of Donated Paid Contributions (A.13.b.2)	NA

#### Sponsor Match: Other In-kind Contributions

Value of Other In-Kind Contributions (A.13.c.1)	\$0.00
Source of Other In-Kind Contributions (A.13.c.3)	NA
Description of other In-Kind contributions (A.13.c.2)	NA

### Project Funding

Funding Request		Funding %	Min Match Required
Salmon State Projects	\$72,000	100.00 %	
Total Project Funding	\$72,000	100.00 %	

Project Cost Summary	Project %	Admin/A&E %	Maximum for Selected Program
<b>PLANNING COSTS</b>			
Planning	\$72,000		
A&E	\$0	0.00 %	\$21,600 (30%)
Subtotal	\$72,000	100.00 %	
<b>Total Cost Estimate</b>	<b>\$72,000</b>	<b>100.00 %</b>	

### Worksites and Properties

County: Thurston

Legislative Districts 2012: 20

**Congressional Districts 2012:** 03  
**Salmon Recovery Regions:** Puget Sound  
**DNR Watershed Units (WAU):** DESCHUTES, MIDDLE  
**4th Field Catalog Units (HUC):** Deschutes  
**WRIA:** Deschutes  
**Sections:** 02  
**Township:** T15NR02E  
**Coordinates:** 46.81193443  
 -122.51860611

## Worksite #1: Deschutes RM 33

<b>Coordinates from Mapped Point:</b>	<b>Latitude:</b> 46.81193443	<b>Longitude:</b> -122.51860611
<b>Coordinates from Worksite</b>	<b>Latitude:</b>	<b>Longitude:</b>
<b>Directions:</b>		

**Worksite Description:** The project is located in private timberland. Forest Road 1120 washed out in 2009 and has since been abandoned.

**Site Access Directions:** From Yelm, turn right on Bald Hills Road, turn right on Sorensen Rd. Continue on Forest Road 1000. Turn right on Forest Road 1120. Project site is beyond road washout. The project site is in a restricted area, please contact project sponsor two weeks prior to access.

**Worksite Address:**

## Planning Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS (A.23)	Chinook Salmon-Puget Sound ESU, Chum Salmon-Puget Sound/Strait of Georgia ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Steelhead-Puget Sound DPS	
Targeted species (non-ESU species)	Cutthroat, Rainbow, Searun Cutthroat	
Area Encompassed (acres) (B.0.b.1)	0.3	
Miles of Stream Affected (B.0.b.2)	0.20	

### Design for Salmon restoration

#### Preliminary design

Total cost for Preliminary design		\$70,000.00
Name of the Plan	RM 33 Deschutes LWD Design	
Description of the Plan	A preliminary design for restoration of riverine function at River Mile 33 of the mainstem Deschutes including topographic survey, geomorphic assessment, hydraulic modeling, alternative solutions, stakeholder management resulting in preliminary designs with cost estimates.	

### Equipment

#### Purchase miscellaneous equipment

Total cost for Purchase miscellaneous equipment		\$1,000.00
Number of miscellaneous equipment items	3	
Describe the miscellaneous equipment being purchased	Field equipment for assisting engineering staff including waders, boots, part of a computer (30%) and other miscellaneous equipment.	

### Cultural Resources

#### Cultural resources

Total cost for Cultural resources		\$1,000.00
Acres surveyed for cultural resources	0.20	

## Planning Questions

- 1 of 4** **Has the worksite been investigated for historical, archeological, or cultural resources? If yes, when did this occur and what agencies and tribes were consulted? Attach related documents (letters, surveys, agreements, etc.) to your project in PRISM.**  
 No, A cultural resources assessment is included a part of this planning project. No cultural resources have been done for this project reach.
- 2 of 4** **Will the project include any ground disturbing activities? (Please remember that this includes geotechnical survey sampling and the like.)**  
 Yes, Geotechnical sampling may be conducted as part of this design project, extents and locations are to be determined.
- 3 of 4** **What is the current land use of the site? Has there been ground disturbances historically, if so, what are/were those disturbances? Is there any fill where ground disturbance is proposed? If known, how deep is the fill?**  
 The area is private timberland. Ground disturbances include road building and logging. There is about 12-15 inches of fill on the abandoned roadway.
- 4 of 4** **Is the worksite(s) located within an existing park, wildlife refuge, natural area preserve, or other recreation or habitat site? If yes, name the area and specify if the land is owned by local, state or federal government.**  
 No, This worksite is currently private timberland, limited recreational access is allowed.

## Property for Deschutes RM 33 Worksite #1: Deschutes RM 33

Activity: Planning

**Landowner**  
Weyerhaeuser Company  
PO Box 1000  
Cosmopolis, WA 98537

**Control and Tenure**  
**Instrument Type:** Landowner Agreement  
**Purchase Type:**  
**Term Length:** Fixed # of years  
**Expiration Date:**  
**Note:**

**Landowner Type:** Private

## Overall Project Questions

- 1 of 5 **Do you need state SRFB dollars (not Federal) to match the requirements of any other federal funding you will be using to complete this project. If Yes, please state the amount of state dollars needed out of your total request.**  
No
- 2 of 5 **Describe any ground disturbing work that will be necessary as part of the design process, such as geotech work. Include anticipated number of test sites, depth of disturbance, location, etc.**  
We do not anticipate ground disturbing activities at this point.
- 3 of 5 **Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination. ([www.dnr.wa.gov/Publications/aqr\\_land\\_manager\\_map.pdf](http://www.dnr.wa.gov/Publications/aqr_land_manager_map.pdf))**  
No
- 4 of 5 **For grants listed in the Sponsor Match Category section on the Funding Request tab, list the grant source(s), when the funds were (or will be) secured, and how long the grant funds will be available to this project.**  
NA
- 5 of 5 **Describe the type and timing of donated labor (skilled and unskilled), donated equipment, and donated materials that will be used for this project, identified in the Sponsor Match Category section on the Funding Request tab.**  
NA

## Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
None - No permits Required				

## Project Attachments

Required Attachments	5 out of 5 done
Cost Estimate	<input checked="" type="checkbox"/>
Map: Area of Potential Effect (APE)	<input checked="" type="checkbox"/>
Map: Planning Area	<input checked="" type="checkbox"/>
Photo	<input checked="" type="checkbox"/>
Salmon Project Proposal	<input checked="" type="checkbox"/>

### Photos

Attachment Type	Title	Attach Date
Cost Estimate	Cost_Estimate_Design.xlsx	08/10/2015
Design document	Concept_Deschutes_1120 Road Report_100314_final.pdf	04/23/2015
Map: Planning Area	APE Deschutes RM 33 Design.pdf	06/26/2015
Map: Planning Area	RM 33 Weyerhauser, location map.jpg	04/16/2015
Photo	Unengaged LWM in lower extent of project area.jpg	08/10/2015
Photo	Existing eroded bank.jpg	06/26/2015
Photo	Downstream extent of project area looking upstream.jpg	06/26/2015
Photo	Current LWM in downstream extent of project area.jpg	06/26/2015
Photo	Beaver activity in downstream extent of project area.jpg	06/26/2015
Photo	Downstream extent of project reach.jpg	06/26/2015
Photo	Middle of project reach looking upstream.jpg	06/26/2015
Photo	Middle of project area looking downstream.jpg	06/26/2015
Photo	1991 Aerial.jpg	06/26/2015
Photo	2009 Aerial.jpg	06/26/2015
Photo	2014 Aerial.jpg	06/26/2015
Photo	Self Balasted LWD Scematic.jpg	06/26/2015
Salmon Project Proposal	Deschutes RM 33 Design Project Proposal.docx	06/26/2015
Salmon Project Proposal	Deschutes RM 33 Project Proposal.docx	04/16/2015

## Application Status

**Application Due Date:** 08/14/2015

<b>Status</b>	<b>Status Date</b>	<b>Name</b>	<b>Notes</b>
Application Submitted	08/11/2015	Amy Hatch-Winecka	Thanks Jerilyn and Kat!
Preapplication	04/09/2015		

I certify that to the best of my knowledge, the information in this application is true and correct. Further, all application requirements due on the application due date have been fully completed to the best of my ability. I understand that if this application is found to be incomplete, it will be rejected by RCO. I understand that I may be required to submit additional documents before evaluation or approval of this project and I agree to provide them. (Amy Hatch-Winecka, 08/11/2015)

Date of last change: 08/11/2015