

## Project #14-1739, Upper Peshastin Migration Barrier Design

Current Status: Application Submitted

### Project Details

**Primary Sponsor:** Chelan County Natural Resource

**Primary Contact:** Mike Kane  
(509) 667-6467  
mike.kane@co.chelan.wa.us

**Funding Program:** Salmon State Projects

**Lead Entity:** Chelan County Lead Entity

**Project Type:** Planning

### Project Description

Currently, a 1000' reach of Peshastin Creek, (RM 10.4-10.6) is believed to be limiting access to spawning habitat upstream. Spawning distribution and timing data, as well as field observations, suggest that a landslide above the Ruby Creek confluence may be acting as a barrier at low flows, thus inhibiting access to high quality spawning areas and delaying the spawn timing of fish that eventually access habitat above the slide by over 40 days. The upper Peshastin Creek and tributaries above this reach provide diverse habitat types and substantial low gradient spawning habitat. Road building alteration to the channel has been exacerbated in this reach by the failure of the slope above the reach (The Ruby Slide), and WSDOT repairs to this stretch of US 97. The resulting channel is severely constricted between vertical gabion baskets and the toe of a 16 acre slide path. Spawning surveys conducted by WDFW throughout the Wenatchee basin from 2004 - 2010 demonstrate steelhead spawning in Peshastin Creek contributes significantly to the basin as a whole. In 2010, Peshastin Creek had 12.2% of the steelhead redds in the Wenatchee subbasin. The majority of the spawning is distributed in the lower Peshastin between RM 3 to 6.5. In the upper Peshastin steelhead show a pattern of concentrated spawning between Ingalls and Ruby Creek with dispersed spawning beyond the project site and in Tronsen Creek.

### Project Overall Metrics (Outcomes, Benefits)

#### Category / Work Type / Metric

#### Application Answer

#### Completion Date

Projected date of completion	1/31/2017
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#### Sponsor Match: Monetary Funding

Amount of other monetary funding	\$12,000.00
Project identifier for the other monetary funding	Chelan County
Source of other monetary funding	N/A

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

Value of Donated Unpaid Labor (Volunteers)	\$0.00
Source of Donated Un-paid labor contributions	N/A

#### Sponsor Match: Donated Paid Labor

Value of Donated Paid Labor	\$0.00
Source of Donated Paid Contributions	N/A

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

Value of Other In-Kind Contributions	\$0.00
Source of Other In-Kind Contributions	N/A
Description of other In-Kind contributions	N/A

### Project Funding

Funding Request		Funding %	Min Match Required	Sponsor Match Source	
Salmon State Projects	\$62,500	83.89 %		Grant - Local	\$12,000
Sponsor Match	\$12,000	16.11 %	15%		
Total Project Funding	\$74,500	100.00 %			

#### Project Cost Summary

##### PLANNING COSTS

		Project %	Admin/A&E %	Maximum for Selected Program
Planning	\$74,500			
A&E	\$0		0.00 %	\$22,350 (30%)
Subtotal	\$74,500	100.00 %		
Total Cost Estimate	\$74,500	100.00 %		

### Worksites and Properties

**County:** Chelan

**Legislative Districts 2012:** 12

**Congressional Districts 2012:** 08

**Salmon Recovery Regions:** Upper Columbia  
**DNR Watershed Units (WAU):** Blewett  
**4th Field Catalog Units (HUC):** Wenatchee  
**WRIA:** Wenatchee  
**Sections:** 36  
**Township:** T23NR17E  
**Coordinates:** 47.44855564  
-120.65629627

**Worksite #1: Peshastin Creek RM 10.4-10.6**

<b>Coordinates from Mapped Point:</b>	<b>Latitude:</b> 47.44855564	<b>Longitude:</b> -120.65629627
<b>Coordinates from Worksite</b>	<b>Latitude:</b> 47.448150	<b>Longitude:</b> -120.656702
<b>Directions:</b>		

**Worksite Description:** Peshastin Creek RM 10.4-10.6 below the Ruby Slide. Assessing fish passage.

**Site Access Directions:** From intersection of SR 2 and US 97 proceed south on US 97 to Ruby Creek (USFS Road #7204). Turn onto Ruby Creek Road and park. Cross highway on foot to access Peshastin Creek.

**Worksite Address:**

SR 97  
Peshastin, WA 98847

**Planning Metrics (Outcomes, Benefits)**

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS	Steelhead-Upper Columbia River DPS	
Targeted species (non-ESU species)	Bull Trout, Rainbow	
Area Encompassed (acres)	1.0	
Miles of Stream Affected	0.20	
<b>Design for Salmon restoration</b>		
<b>Preliminary design</b>		
Total cost for Preliminary design		\$74,500.00
Name of Plan	Yakama Nation. 2010.Lower Peshastin Tributary and Reach Assessment. Prepared by Interfluver for Yakama Nation.	
Description of Plan	The plan evaluates aquatic habitat conditions in lower Peshastin Creek.	

**Planning Questions**

- 1 of 3

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.
- 2 of 3

What is the current land use of the site, and its history?  
The site is adjacent to US 97. The site has a history of mining, forestry and highway construction.
- 3 of 3

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

**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.  
N/A
- 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)  
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.  
Chelan County
- 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.  
N/A

# 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	Peshastin Migration Barrier Cost Estimate.docx	08/13/2014
Individual Project Comment Form	SRP Upper Peshastin Migration Barrier Design_ Response to co.docx	08/13/2014
Map: Planning Area	map planning area.pdf	08/13/2014
Photo	2012 Peshastin Upper Reaches 013.jpg	08/13/2014
Photo	2012 Peshastin Upper Reaches 014.jpg	08/13/2014
Salmon Project Proposal	Upper Peshastin Migration Barrier Design_final-proposalwtrac.pdf	06/24/2014
Salmon Project Proposal	Upper Peshastin Migration Barrier Design_final-proposalwotra.pdf	06/24/2014
Salmon Project Proposal	Upper Peshas Design_pre-proposal.pdf	05/02/2014

# Application Status

Application Due Date: 08/15/2014

Status	Status Date	Name	Notes
Application Submitted	08/13/2014	Mike Kane	good timing to be on vacation.
Preapplication	04/29/2014		

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. (Mike Kane, 08/13/2014)