

## Project #15-1321, Asotin Intensively Monitored Watershed Restoration

Current Status: Application Submitted

### Project Details

**Primary Sponsor:** Department of Fish and Wildlife

**Primary Contact:** David Karl  
(509) 527-4138  
karl@dfw.wa.gov

**Funding Program:** Salmon State Projects

**Lead Entity:** Snake River Salmon Recovery Board  
Lead Entity

**Project Type:** Restoration

### Project Description

WA Dept of Fish and Wildlife seeks funding for maintenance and increased restoration actions in support of the Asotin Creek Intensively Monitored Watershed project (IMW). The IMW was started in 2008 and is expected to run until 2019. Funds are being requested to maintain previous restoration projects (SRFB #11-1573 and 12-1637) implemented between 2012 and 2014 that used post assisted log structures (PALS) to add LWD to SF Asotin Cr (2012), Charley Cr (2013) and NF Asotin Cr (2014). We also propose to add a new restoration treatment in the lower 2-4 km of SF Asotin Creek to increase the overall treated length to 14-16 km in the IMW to maximize the potential for detecting fish responses. We propose to review the current status of all PALS restoration in 2015 and add LWD where needed to maintain or enhance levels of LWD in the treatment sections as per our restoration plan. It is critical at this stage in the Asotin IMW to maintain the high levels of LWD to ensure that the goals of the IMW can be completed: namely, to determine the effectiveness of LWD restoration methods, determine the causal mechanisms of habitat and fish responses, and to provide recommendations for implementing LWD restoration in other watersheds. The maintenance and additional restoration treatment proposed is expected to benefit ESA listed steelhead as well as Chinook and bull trout.

### Project Overall Metrics (Outcomes, Benefits)

#### Category / Work Type / Metric

#### Application Answer

#### Completion Date

Projected date of completion 12/7/2018

#### Sponsor Match: Monetary Funding

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

#### 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) n/a

#### 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) n/a

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

Value of Other In-Kind Contributions (A.13.c.1) \$25,000.00  
Source of Other In-Kind Contributions (A.13.c.3) USFS is providing LWD for structures and maintenance (\$20,000).  
SRSRB is contributing the post pounder (\$5,000).  
Description of other In-Kind contributions (A.13.c.2) Post Pounder and LWD Materials

### Project Funding

Funding Request		Funding %	Min Match Required	Sponsor Match Source	
Salmon State Projects	\$125,626	83.40 %		Donated Equipment	\$5,000
Sponsor Match	\$25,000	16.60 %	15%	Donated Materials	\$20,000
Total Project Funding	\$150,626	100.00 %			

#### Project Cost Summary

##### RESTORATION COSTS

		Project %	Admin/A&E %	Maximum for Selected Program
Restoration	\$130,626			
A&E	\$20,000		15.31 %	\$39,188 (30%)
Subtotal	\$150,626	100.00 %		
Total Cost Estimate	\$150,626	100.00 %		

### Worksites and Properties

**General Area:** NF Asotin Cr, SF Asotin Cr,  
and Charley Creek  
**County:** Asotin  
**Legislative Districts 2012:** 09  
**Congressional Districts 2012:** 05  
**Salmon Recovery Regions:** Snake River  
**DNR Watershed Units (WAU):** ASOTIN, SF  
**4th Field Catalog Units (HUC):** LOWER SNAKE/ASOTIN  
**WRIA:** Middle Snake  
**Sections:** 10  
**Township:** T09NR44E  
**Coordinates:** 46.26747903  
-117.29223397

## Worksite #1: Asotin Intensively Monitored Watershed Project

<b>Coordinates from Mapped Point:</b>	<b>Latitude:</b> 46.26747903	<b>Longitude:</b> -117.29223397
<b>Coordinates from Worksite</b>	<b>Latitude:</b> 46.270385	<b>Longitude:</b> -117.291974
<b>Directions:</b>		

**Worksite Description:** The project site is located on the WDFW Asotin Wildlife Management Unit in upper Asotin Creek. The project area in the Asotin Creek Intensively Monitored Watershed Study Area. See attached map 1 and 2 for location of IMW study area. Maintenance on existing treatments (Map 2) and a new 2 km long treatment on South Fork Asotin Creek (rKM 2-4) will be completed in 2016. All treatments/maintenance include addition of LWD and construction of post assisted log structures (PALS).

**Site Access Directions:** From the town of Asotin, take the Asotin Creek Road up Asotin Creek. Stay right when approaching the George Creek turn off, then turn left onto the SF Road. Lower 12 km of Charley Creek, North Fork Asotin Creek, and South Fork Asotin Creek are within the Asotin IMW study area.

**Worksite Address:**

## Restoration Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer	Work Type Costs
Targeted salmonid ESU/DPS (A.23)	Steelhead-Snake River Basin DPS	
Targeted species (non-ESU species)	Rainbow	
Miles Of Stream Treated/Protected (C.0.b)	2.49	
Project Identified In a Plan or Watershed Assessment (C.0.c)	Snake River Salmon Recovery Board (2011 Version). Snake River Salmon Recovery Plan for SE Washington. Dayton, WA. Snake River Salmon Recovery Board (2013 Version). Snake River Salmon Recovery Region Provisional Work Plan 2013-2018. Dayton, WA.	
Type Of Monitoring (C.0.d.1)	Implementation Monitoring	
Monitoring Location (C.0.d.2)	Onsite	
<b>Instream Habitat Project</b>		
Total Miles Of Instream Habitat Treated (C.4.b)	2.49	
<b>Channel structure placement (C.4.d.1)</b>		
Total cost for Channel structure placement		\$125,626.00
Material Used For Channel Structure (C.4.d.2)	Individual Logs (Unanchored), Logs Fastened Together (Logjam)	
Miles of Stream Treated for channel structure placement (C.4.d.3)	2.49	
Acres Of Streambed Treated for channel structure placement (C.4.d.4)	6.0	
Pools Created through channel structure placement (C.4.d.5)	75	
Yards Of Average Stream-Width At Mid-Point Of Worksite (C.4.d.6)	2	
Number of structures placed in channel (C.4.d.7)	150	
<b>Cultural Resources</b>		
<b>Cultural resources</b>		
Total cost for Cultural resources		\$4,000.00
Acres surveyed for cultural resources	6.00	
<b>Permits</b>		
<b>Obtain permits</b>		
Total cost for Obtain permits		\$1,000.00
Number of permits required for implementation of project	4	
<b>Architectural &amp; Engineering</b>		
<b>Architectural &amp; Engineering (A&amp;E)</b>		
Total cost for Architectural & Engineering (A&E)		\$20,000.00

## Restoration Questions

1 of 6	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.
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Yes, For the Charley Creek and NF Asotin reaches, the area of ground disturbance in this proposal is the same as was previously surveyed for project 12-1637. A cultural assessment was completed for a previous project in 2012 just upstream of where this project proposes to work on the SF Asotin (11-1573). The new proposed treatment would be immediately downstream from the existing treatment on the South Fork. We expect the new treatment will be from km 2-4 on the South Fork (this would make a 6 km long treatment from km 2 - 8). Therefore, the new area archaeologists need to be aware of is from km 2-4. These documents are attached.

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**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?**

Asotin Wildlife Area used for recreation and wildlife/fish protection. Historically, the area was in used for grazing and the area was also logged.

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**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.**

Yes, WDFW Asotin Wildlife Management Unit (State owned).

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**Describe any proposed ground disturbing activities. That is, will a tool(s) be used to move earth (soil, rock, gravel, etc.) as part of this project? This includes hand or mechanized tools, for example: shovel, auger, pick axe, backhoe, etc. Also include specific information including length, width, and depth of the ground disturbance that will be required for all proposed work, if known. Please avoid subjective phrases such as “ground disturbing activities will be minor”.**

All ground disturbance will be in the form of the Post Assisted Log Structure installation. Posts will be driven into the stream bed using a hydraulic post driver. Typical structures will be approximately 6 - 20 feet in length and 2-4 feet in width, ground disturbance will only be due to the posts, which will be driven approximately 2.5 feet and have a diameter of approximately 2.5-5 inches. All of the work for maintenance will be within the 4 km treatment sections previously treated under the South Fork contract (2012) and the Charley and North Fork Contract (2013-2014; see new map). We do not expect to build more than 10 "replacement" structures in either stream. We would just like to have this as an option. Charley structures are small (5-8 posts), North Fork structures are larger (10-15 posts). For the newly proposed South Fork section, we are proposing 2 km of new treatment from rkm 2-4 (just below the maintenance section). This would included approximately 100-150 structures with an average of 8-12 posts/structure.

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**Give street address for this worksite if available.**

n/a

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**Are there any structures existing on the property (including tidegates, dikes, etc.)? If so, please list all existing structures. Indicate if any of these structures will be altered or demolished as a result of the project, and provide the following information for each structure that could be altered or demolished: identifying name, year constructed, year(s) remodeled/renovated. Attach at least one photo of each of the proposed altered structures.**

Yes, There is an existing bridge located on South Fork Asotin Creek within the IMW study area and another bridge 400-500 feet downstream of the IMW study area on the mainstem of Asotin Creek; there is also a cement culvert crossing ~ 250 m upstream from the mouth of Charley Creek (Asotin Creek Road crosses Charley Creek); these structure will not be altered or demolished as a result of this project.

## Property for Asotin Intensively Monitored Watershed Project Worksite #1: Asotin Wildlife Area

<b>Activity:</b> Restoration	
<b>Landowner</b>	<b>Control and Tenure</b>
Department of Fish and Wildlife (WDFW)	<b>Instrument Type:</b> Landowner Agreement
PO Box 43200	<b>Purchase Type:</b>
Olympia, WA 98504-3200	<b>Term Length:</b> Fixed # of years (10 years)
	<b>Expiration Date:</b>
<b>Landowner Type:</b> State Government	<b>Note:</b>

## Overall Project Questions

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**Is any part of the scope of work included in this application required as mitigation for another project or action? E.g. FERC relicensing, Habitat Conservation Plan, legal settlement, etc. If yes, explain:**

No

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**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

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**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

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**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.**

n/a

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**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.**

USFS donated material is available at any time. The hydraulic post pounder is available for use on several projects, logistics will be worked out with project sponsors.

## Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
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Permit Questions

- 1 of 2
- If this project requires a federal permit, will the scope of that permit cover ALL proposed ground disturbing activities included in this project?  
You may need to request a pre-application meeting with the permitting agency to answer this question.  
Unknown, We will check with ACOE if a dredge fill permit is required.
- 2 of 2
- Are you planning on using the federal permit streamlining process (Limit 8, [www.rco.wa.gov/documents/fact\\_sheets/Permit\\_Streamlining\\_fact\\_sheet.pdf](http://www.rco.wa.gov/documents/fact_sheets/Permit_Streamlining_fact_sheet.pdf))?  
Yes, Limit 8 Self Certification for ESA Compliance.

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: Restoration Worksite	<input checked="" type="checkbox"/>
Photo	<input checked="" type="checkbox"/>
Salmon Project Proposal	<input checked="" type="checkbox"/>

Photos

Attachment Type	Title	Attach Date
Application Document	IMW Certification Memo.doc	08/06/2015
Cost Estimate	SRFB_Cost_Estimate_AsotinIMW_Restoration.xlsx	08/06/2015
Design document	design doc.jpg	05/20/2015
Map: Multi-site and geographic envelope	map.jpg	05/20/2015
Map: Restoration Worksite	AsotinRestoration_StudySiteMap.jpg	06/01/2015
Photo	photo2.jpg	05/20/2015
Photo	photo1.jpg	05/20/2015
Salmon Project Proposal	Appendix_C_AsotinIMW_RestorationMaintenance Post Tour 071515.docx	08/06/2015

Application Status

Application Due Date: 08/14/2015

Status	Status Date	Name	Notes
Application Submitted	08/07/2015	John Foltz	Hi Kay, everything should be good to go, thanks!
Preapplication	05/15/2015		

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. (John Foltz, 08/07/2015)