

**Snake River Salmon Recovery Board Lead Entity  
12<sup>th</sup> Grant Round Draft Application  
Pre-score and Rank Meeting**



**Tucannon River 2011 Project Tour May 4<sup>th</sup>**





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**Snake River Salmon Recovery Board Lead Entity  
Draft Application Pre-scoring and Ranking Meeting  
Agenda for May 23<sup>rd</sup>**

- 9:00 am     **Discussion of the process and other business for the day**  
Steve, Kris & Others
- 9:10 am     **Johnson Walla Walla River Restoration Project**  
Jeff Klundt – WWCCD
- 9:30 am     **McCaw Reach Fish Restoration Project , Phase A**  
Jeff Klundt – WWCCD
- 9:50 am     **Jones Ditch**  
Greg Kinsinger – WWCCD
- 10:10       **Assessment of Landowner Interest in Conservation Easements and/or  
Improving Channel and Floodplain Conditions and Connections in Alpowa  
Creek**  
Brad Johnson –WRIA 35 Asotin PUD
- 10:30 am    **Break**
- 10:40 am    **Tucannon River Landowner Assessment**  
Tom Dwonch – Blue Mountain Land Trust
- 11:00 am    **Mill Creek Passage - Reach Type 6**  
Brian Burns – Tri-State Steelheaders
- 11:20 am    **Bridge to Bridge - Levee Removal**  
Brian Burns – Tri-State Steelheaders
- 11:40 am    **Tucannon River LWD Stream Habitat Restoration**  
Dave Karl – WDFW
- 12:00       **Lunch**  
The Lead Entity will provide a working lunch, so please RSVP if plan on attending.

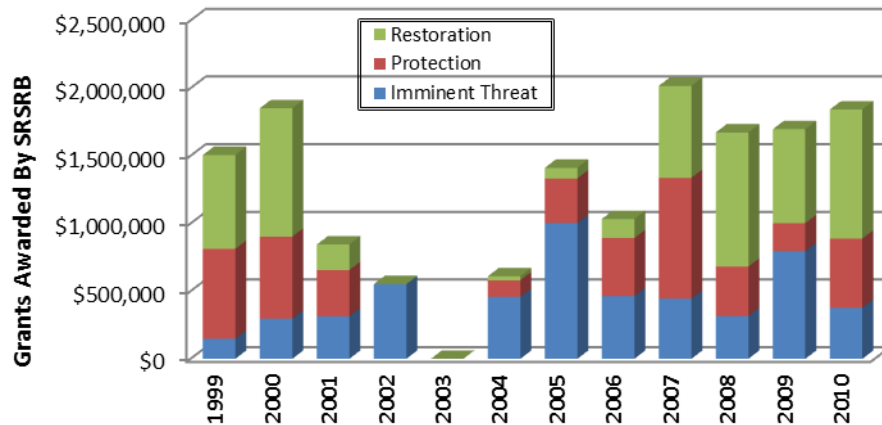
**Snake River Salmon Recovery Board Lead Entity  
Draft Application Pre-scoring and Ranking Meeting  
Agenda for May 23<sup>rd</sup> Afternoon**

- 12:30 pm     **Pataha Creek Watershed Assessment**  
Duane Bartels – Pomeroy Conservation District
- 12:50 pm     **Restoration Phase of the Asotin Creek Intensively Monitored Watershed**  
Steve Bennett – Ecologic Asotin IMW
- 1:10 pm      **Luhn Cattle Tenmile Creek Bridge Crossing**  
Mike Miraglio – Asotin County Conservation District
- 1:30 pm      **Bailysburg Bridge to Wolf Fork Design**  
Mayor Craig George
- 1:50 pm      **Upper Mill Creek Geomorphic Assessment - Seven Mile Bridge to Five Mile Bridge**  
Larry Hooker – Walla Walla County Conservation District
- 2:10 pm      **Upper Mill Creek - Titus Creek Restoration Project**  
Larry Hooker – Walla Walla County Conservation District
- 2:30 pm      **Break**
- 2:40 pm      **Hofer Dam Diversion Sediment Remediation Project**  
Larry Hooker – Walla Walla County Conservation District
- 3:00 pm      **Mill Creek Conservation Easement**  
Jerry Anhorn – Inland Empire Action Coalition
- 3:20 pm
- 3:40 pm      **Discussion, Scoring and Draft Ranking**
- 4:30 pm      **Adjourn**

## Introductions

**I. Welcome to the Snake River Salmon Recovery Board 12<sup>th</sup> Grant Round to the SRFB Application Process**

**II. Between 1999 & 2010 the \$15 million (Figure 1) to 145 habitat projects**



**Figure 1: Salmon Recovery Funding Board grant dollars spent on SRSRB regional projects from 1999 through 2010. The total award for the period was \$15 and was applied to 145 projects. This table was produced from the data maintained in the HWS.**

### **III. 12<sup>th</sup> Grant Round Pre-applications Reviewed**

- a. 17 pre-applications submitted
- b. 7 applications withdrawn

### **IV. 12<sup>th</sup> Grant Round Draft Application Submissions (Table 1)**

- a. 16 Draft Applications submitted
- b. 6 new and 10 moved forward from pre-application
- c. Total request of \$3.2 million for the available \$1.6 million

**Table 1: SRSRB Draft Applications Submitted in the 12<sup>th</sup> Round**

Title	Sponsor	Location	Pre- App	Draft -App	Request	Match	% Match
Johnson Walla Walla River Restoration Project	WWCCD	Walla Walla Restoration	Y	Y	\$104,691	\$18,500	15%
Jones Ditch	WWCCD	Mill Creek MSA	Y	Y	\$77,200	\$0	0%
McCaw Reach Fish Restoration Project , Phase A	WWCCD	Middle Touchet Restoration	Y	Y	\$111,559	\$21,875	16%
Assessment of Landowner Interest in Conservation Easements and/or Improving Channel and Floodplain Conditions and Connections in Alpowa Creek.	35 - Asotir	Alpowa MSA Restoration	N	Y	\$69,500	\$12,260	15%
Mill Creek Passage - Reach Type 6	TSS	Mill Creek MSA	Y	Y	\$438,996	\$78,000	15%
Bridge to Bridge - Levee Removal	TSS	Walla Walla Restoration	Y	Y	\$643,706	\$112,007	15%
Upper Mill Creek - Titus Creek Restoration Project	WWCCD	Upper Mill Creek MSA	N	Y	\$422,000	\$78,000	16%
Upper Mill Creek Geomorphic Assessment - Seven Mile Bridge to Five Mile Bridge	WWCCD	Upper Mill Creek MSA	Y	Y	\$127,500	\$22,500	15%
Hofer Dam Diversion Sediment Remediation Project	WWCCD	Lower Touchet River	N	Y	\$44,200	\$7,800	15%
Restoration Phase of the Asotin Creek Intensively Monitored Watershed	Eco Logic	Asotin MSA	N	Y	\$105,808	\$18,673	15%
Tucannon River Landowner Assessment	BMLT	Tucannon MSA	N	Y	\$27,600	\$5,000	15%
LUHN CATTLE TENMILE CREEK BRIDGE CROSSING	ACCD	Tenmile Creek mSA	Y	Y	\$43,948	\$7,755	15%
Pataha Creek Watershed Assessment	PCD	Pataha Creek MSA	Y	Y	\$14,500	\$3,000	17%
Mill Creek Conservation Easement	IEAC	Mill Creek MSA	Y	Y	\$552,906	\$97,800	15%
Bailysburg Bridge to Wolf Fork Design	City Of Dayton	Upper Touchet MSA	N	Y	\$102,000	\$18,000	15%
Tucannon River LWD Stream Habitat Restoration	WDFW	Tucannon River MSA	N	Y	\$374,000	\$58,000	13%
					\$3,260,114	\$559,170	

# 2011 SRSRB Lead Entity Score Card

## Snake River Lead Entity *Project Evaluation Criteria* - 2011

Project Title \_\_\_\_\_

Project Location: _____			
Is the Project in the right area?	Project Tier	Points Possible	Description (applications that contain multiple project sites that are not all in the same priority area will be averaged based on each site location)
	Tier I	50	Imminent threats. Habitat project(s) in an MSA and within a priority restoration/protection reach, <b>or in mSA with a priority restoration reach</b> ; assessments in this category score 25 points
	Tier II	40	Project(s) in an MSA but not in a priority reach; assessments in this category score 20 points
	Tier III	30	Projects in an mSA and within a priority protection reach; assessments in this project category score 15 points
	Tier IV	20	Project(s) in an mSA but not in a priority reach; assessments in this category score 10 points
	Tier V	10	Project(s) not in an mSA; assessments in this category score 5 points.
			Score <input type="text"/>
Habitat Factors Addressed: _____			
How well is the project addressing limiting factors?	Project Tier	Points Possible	Description
	Tier I	23 to 30	Project addresses an Imminent threat (dead fish observed at site) OR project that addresses 3 or more of the priority habitat factors listed in Table 14 for the identified MSA.
		20 to 22	Project is presumed to address an imminent threat (because it does not meet a NOAA or other ESA criteria) listed on Table 14 ; fish must use site
	Tier II	11 to 20	Project(s) in an MSA that address 2 of the priority habitat factors listed in Table 14. Projects that are in an mSA and address two or more of the following protection strategies: upland, riparian and water conservation.
Tier III	0 to 10	Project(s) in an MSA that address 1 of the priority habitat factors listed in Table 14. Projects that are in an mSA and address one of the following protection strategies: upland, riparian or water conservation.	
			Score <input type="text"/>
Project Certainty			
Will the project work?		Points Possible	Description
		11 to 20	Project/assessment is based on proven scientific methods and will meet the intended objectives.
		1 to 10	Project/assessment is based on unproven methods but will likely meet its intended objectives.
	0	Project/assessment is based on proven scientific methods but will not likely meet intended objectives OR is based on speculative methods and will not likely meet its intended objectives	
			Score <input type="text"/>

Project Size				
Is the on the ground project large enough to make a significant difference? Assessments are scored seperately	Project Type	Points Possible	This section is to reward projects that are large and address multiple ubiquitous limiting factors; the points are additive to points received on page 1 and are additive across project types	
	Riparian	10	>50 acres	Score
		6 to 9	25-49 acres	
		3 to 5	10-24 acres	
		2	<10 acres	
	Instream Flow (during fish critical period)	10	>2 CFS	Score
		6 to 9	>1 but < 2 CFS	
3 to 5		>0.5 but <1 CFS		
1 or 2		<0.5 CFS		
Instream Habitat OR useable habitat opened	10	>1,000 lineal feet	Score	
	6 to 9	500 to 999 feet		
	3 to 5	200 to 499 feet		
	1 or 2	< 200 feet		
Upland Best Management Practices	10	> 200 acres	Score	
	6 to 9	100 to 199 acres		
	3 to 5	50 to 99 acres		
	1 or 2	< 50 acres		
Con-servation Easements <sup>1</sup>	10	Likelihood of development <sup>1</sup> is high based on information provided by sponsor	Score	
	0	Likelihood of development <sup>1</sup> is moderate based on information provided by sponsor		
	-10	Likelihood of development <sup>1</sup> is low based on information provided by sponsor		
Assessments	Assessments (assessments must either lead to a project or fill an identified data gap)	35	Assessment of an imminent threat (fish passage barrier, screen, ford, de-watered reach) that will directly lead to a project	Score
		30	Assessments of stream/riparian/floodplain habitat that will identify protection or restoration actions in respectively designated priority reach	
		30	Assessment of uplands that may produce large sediment loads and is located in designated priority area	
		25	Assessment to address a level 4 critical uncertainty (data gap) as reported in Section 6 (Tables 6-2 thru 6-6) of the Regional Recovery Plan *	
		20	Assessment to address a level 3 critical uncertainty (data gap) as reported in Section 6 (Tables 6-2 thru 6-6) of the Regional Recovery Plan *	
		10	Assessment of public interest in habitat protection or restoration projects.	
Cost	Cost/Benefit	10	Assessments of stream/riparian/floodplain habitat that will identify protection or restoration actions in an area not designated a priority reach	Score
		up to 10	Committee may assign up to 10 points for cost: benefit relationship based on community values, past experience with project costs, cost-share, perceived project value relative to other proposed projects, number of ESA listed species and other considerations.	

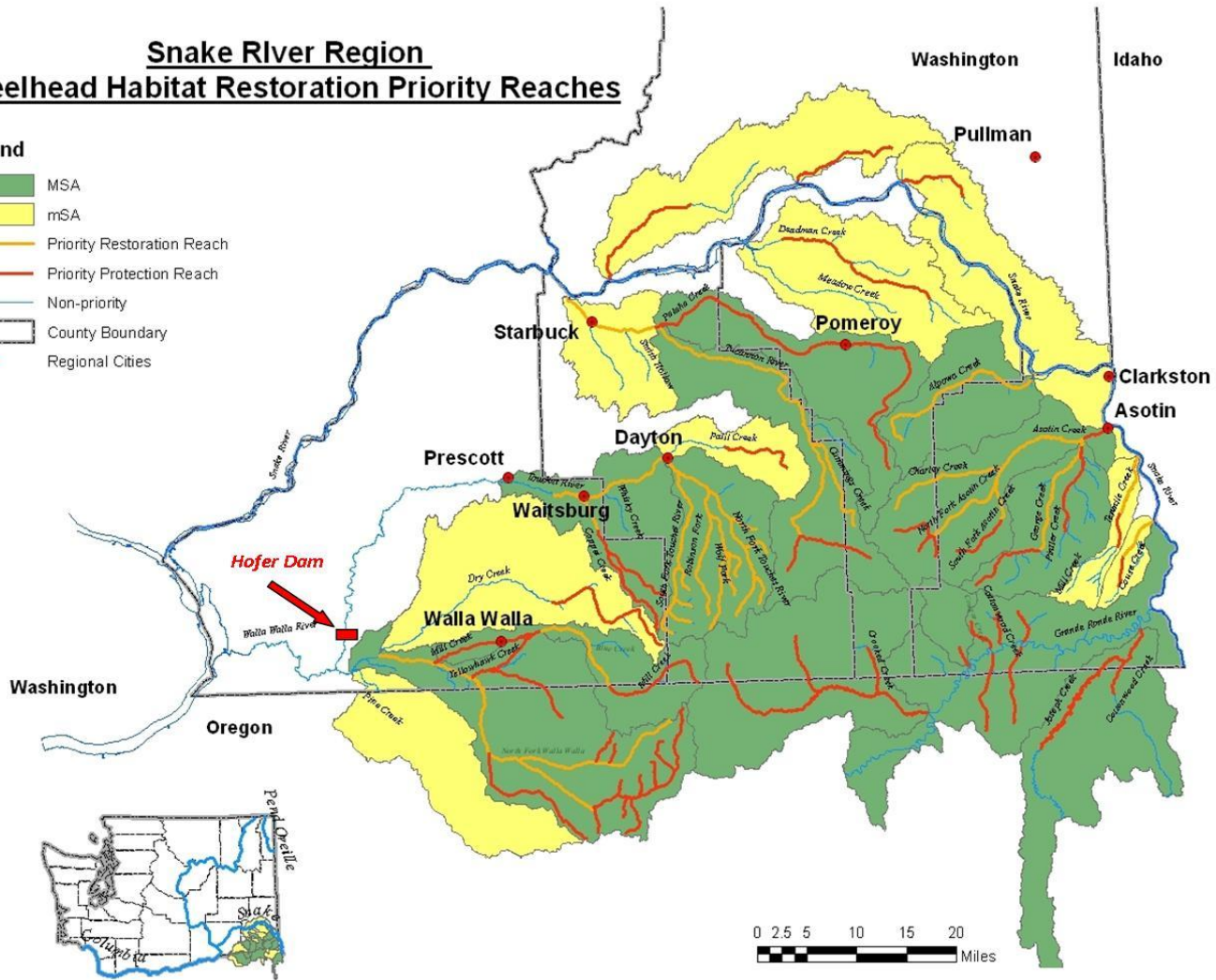
**Total Project Score**

Lead Entity Committee Member Signature

## Snake River Region Steelhead Habitat Restoration Priority Reaches

### Legend

- MSA
- mSA
- Priority Restoration Reach
- Priority Protection Reach
- Non-priority
- County Boundary
- Regional Cities



**Table 14 Summary Table of Habitat Factors and Objectives for Each MSA**

<b>Priority</b>	<b>Habitat Factor and Objective</b>
<b>Mainstem Walla Walla River MSA</b>	
<b>Imminent Threats: Fish Screens, Fish Passage Barriers, Low/Dewatered Streams</b>	
I.	Temperature: < 4 day > 72°F
II.	Large Woody Debris: > 1 key pieces per channel width
III.	Embeddedness: < 10% embeddedness
IV.	Riparian:> 40 to 90% of maximum
V.	Channel Confinement: reduce to 40% to 60% of stream length
<b>Mill Creek MSA</b>	
<b>Imminent Threats: Fish Passage Barriers (including gravel berms), Fish Screens, Low/Dewatered Streams</b>	
I.	Embeddedness: < 10%
II.	Temperature < 4 day > 72°F
III.	Large Woody Debris: > 1 key piece per channel width
IV.	Riparian: > 40 to 90% of maximum
<b>Middle Touchet River MSA (mainstem from Coppei creek to Patit Creek)</b>	
<b>Imminent Threats: Fish Screens, Fords, Low Stream Flows, Gravel Berms</b>	
I.	Embeddedness: < 10%
II.	Temperature: < 4 days > 72°F
III.	Large Woody Debris: > 1 key piece per channel width
IV.	Channel Confinement: <15 to 40% of stream_bank length
<b>Upper Touchet River MSA (Patit Creek upstream to Touchet headwaters)</b>	
<b>Imminent Threats: Fish Passage Barriers, Fish Screens, Fords, Low Stream Flows, Gravel Berms</b>	
I.	Temperature: < 4 days > 72°F
II.	Riparian: >62 to 82% of maximum
III.	Large Woody Debris: > 1 key piece per channel width
IV.	Channel Confinement: <10 to 40% of stream_bank length
<b>Upper Tucannon River MSA (from Pataha Creek upstream to Tucannon headwaters)</b>	
<b>Imminent Threats: Fish Screens, Low Stream Flows</b>	
I.	Riparian: > 40 to 75% of maximum
II.	Large Woody Debris: >1 key piece per channel width
III.	Channel Confinement: < 25 to 50% of stream_bank length
IV.	Temperature: < 4 days > 72°F
<b>Lower Tucannon River mSA (from Pataha Creek downstream to Tucannon mouth)</b>	
<b>Imminent Threats: Fish Passage Barriers, Screens, Low Stream Flows</b>	
I.	Temperature: < 4 days > 72°F
II.	Embeddedness: < 20%
III.	Large Woody Debris: > 1 key piece per channel width
IV.	Riparian: >40 to 75% of maximum
V	Channel Confinement: < 25 to 50% of stream bank length

**Table 14 Summary Table of Habitat Factors and Objectives for Each MSA (continued)**

<b>Priority</b>	<b>Habitat Factor and Objective</b>
<b>Alpowa Creek MSA</b>	
<b>Imminent Threats: Fish screens, Low Stream Flows, Remove Obstructions</b>	
I.	Riparian: > 80% of maximum
II.	Embeddedness: < 10%
III.	Temperature: < 4 day > 72°F
IV.	Large Woody Debris: > 1 key piece per channel width
<b>Joseph Creek MSA</b>	
Joseph Creek lies primarily in Oregon. Therefore, priority actions for the portion of Joseph Creek within Washington are to address imminent threats.	
<b>Lower Grande Ronde MSA</b>	
Objectives for the Lower Grande Ronde are currently being developed in consultation with ODFW.	
<b>Wenaha River MSA</b>	
The vast majority of the Wenaha River lies entirely within a wilderness area administered by the USFS. The proposed action for this river is to continue protective status.	
<b>Asotin Creek MSA (mouth to headwaters including all tributaries except George Creek)</b>	
<b>Imminent Threats: Fish Passage Barriers, Fish Screens, Dewatered Streams</b>	
I.	Large Woody Debris: > 1 key piece per channel width
II.	Embeddedness: < 20%
III.	Bed Scour: Reduce to < 10 cm
IV.	Riparian: >75% to 90% of maximum
<b>George Creek MSA (tributary of Asotin Creek)</b>	
<b>Imminent Threats: Dewatered Streams</b>	
I.	Embeddedness: < 10%
II.	Large Woody Debris: > 1 key piece per channel width
III.	Riparian: >75% of maximum
IV.	Temperature: < 4 day > 72°C
<b>Pataha Creek MSA (tributary of Tucannon River)</b>	
<b>Imminent Threats: Fish Passage Barriers, Fish Screens, Ford, Dewatered Streams</b>	
I.	Embeddedness: Protect existing condition
II.	Temperature: Protect existing condition
III.	Riparian: Protect existing condition
IV.	Large Woody Debris: Protect existing condition
V.	Channel Confinement: Protect existing condition

**Table 12: Critical Habitat Uncertainties Within the Snake River Salmon Recovery Region**

<b>Subbasin/Stream</b>	<b>Critical Uncertainties</b>
Asotin Creek Sub basin	Large woody debris, Embeddedness, Turbidity, Fines, Riparian function, Bed scour, Natural temperature regime, Natural base flow condition
Tucannon River Sub basin	Anthropogenic stream confinement, Habitat type (pools), Riparian function, Harassment, Woody debris, Carcasses
Walla Walla River Sub basin	Turbidity, Obstructions, Riparian function, Anthropogenic stream confinement, Temperature
Almota Creek (Lower Snake River Sub basin)	Large woody debris, Riparian function, Embeddedness, Low flow, Anthropogenic stream confinement
Deadman Creek (Lower Snake River Sub basin)	Turbidity, Large woody debris, Riparian function
Grande Ronde Sub basin	Sediment, Temperature, Flows, Key habitat quality and diversity

**2011 12<sup>th</sup> Grant Round**  
**Draft Application Summaries & Comments**  
Prepared by the Snake River Salmon Recovery Board Lead Entity & the  
Salmon Recovery Funding Board Review Panel



Above Photo was taken during the 2010 11<sup>th</sup> Grant Round Draft Application Project Tour

# Johnson Walla Walla River Restoration Project

**Sponsor:** Walla Walla County Conservation District  
**Location:** Walla Walla River MSA – Restoration Reach at confluence of Garrison Creek  
**3 Year Plan:** Yes  
**Project Type:** Final Design& Build  
**Request/Match:** \$104,691/\$18,500  
**Pre-Application:** Yes  
**Landowner Forms:** Yes

**Description:** Finalize stream channel designs and implement construction

- Place rock ballasted ELJ in several locations within the existing channel and side channels
- riparian buffer planted with willows
- Placement of ELJs in channel along bank and on bars islands for the purpose of maintaining existing channel complexity and increasing channel roughness through LWD structure.

## QUESTIONS/COMMENTS/NOTES:

Draft application comments:

- Consider edits to proposal and application from staff
- Will need vicinity and site map, may use the maps developed by staff
- Recommend beefing up the fish restoration attributes of the project in the proposal
- Should develop a map of the project site info in relation to the reach assessment

Pre application questions:

- Maintain riparian width
- Who is the opposite bank owner and have they been consulted on participating in the project to engage more wood in the channel.
- If the south bank land owners are interested what would they consider?
- Could more complexity be added to the channel beyond the proposed bank ELJ?
- Add a map of the larger reach that was assessed to put this project in context.
- Could a conservation easement be used to increase the riparian area and move the pasture out of riparian zone

## McCaw Reach Fish Restoration Project

**Sponsor:** Walla Walla County Conservation District  
**Location:** Middle Touchet MSA Restoration Reach  
**3 Year Plan:** Yes  
**Project Type:** Restoration  
**Request/Match:** \$111,558/\$21,875  
**Pre-Application:** Yes  
**Landowner Forms:** Yes

**Description:** The purpose of this project will be to increase channel complexity and riparian condition (See Attachments) The final designs may be adjusted to maximize channel complexity and will work with the SRSRB RTT TAG.

- Placement of 3 complex ELJs with rock ballast
- grade bank to produce lower bank
- plant riparian habitat
- 625 foot reach
- 8 root wads
- Excavate pool and constructed riffle
- Two bar buddies

### QUESTIONS/COMMENTS/NOTES:

#### Draft Application

- Incorporate to the extent possible TAG recommendations into the text of the application
- Would it be possible to extend the CE to accommodate channel meander

#### Pre-Application

- This project will tie into the project completed just upstream on Dozier's
- Explain the purpose of excavating the pools
- Explain why it is important to protect banks when the reach is in a conservation easement (There was discussion that the river was leaving easement boundary, if true explain in draft application)
- Would be beneficial to add some habitat structures to some of the other reaches in addition to the bank protection

# Jones Ditch

**Sponsor:** Walla Walla County Conservation District  
**Location:** Mill Creek MSA  
**3 Year Plan:** Yes.  
**Project Type:** Feasibility  
/Design of an Imminent Threat  
**Request/Match:** \$77,200  
**Pre-Application:** Yes  
**Land Owner Form:** Yes

**Description:** The project would assess and design fish screen options for the Jones Ditch. Additionally, water flow will be diverted into the ditch year around for the purpose of increasing available fish habitat.

- Determine if water could be diverted through the ditch perennially to maintain habitat
- Assess screening 3 irrigation pumps in the ditch
- Modify the head gate at the diversion point in Mill Creek
- Existing Diversion rates are Spring 5.6cfs, Summer 0.2 cfs, Winter 6.6 cfs

## QUESTIONS/COMMENTS/NOTES:

Draft Application

- Are the Fall diversion rate zero
- What is the target diversion rate or will it be level
- Will and irrigation plan be developed for pumping schedule

Pre-application

- What is the quantity of water being diverted and what volume would be diverted during summer
- What is the timing of the water write
- How many landowners are being serviced
- To what extent has department of Ecology or the WW Partnership been involved and will they?
- Will need to outline the budget

# Assessment of Landowner Interest in Conservation Easements and/or Improving Channel & Floodplain Conditions & Connections in Alpowa Creek

**Sponsor:** WRIA 35 – Asotin PUD  
**Location:** Alpowa MSA from Stember Cr up stream  
**3 Year Plan:** Yes.  
**Project Type:** Feasibility Study  
**Request/Match:** \$69,500/\$12,260  
**Pre-application:** No  
**Landowner Form:** Not Needed

**Description:** This project will conduct a feasibility of landowner interest in permanent conservation easements and stream and floodplain restoration in Alpowa Creek.

- Identify projects
- Create a prioritized list of conceptual projects
- Emphasizing floodplain connectivity, channel restoration and easements
- Meeting with each landowner
- Monthly meetings
- Provide tours of easements in other areas

## QUESTIONS/COMMENTS/NOTES:

Draft Application

- What is the approximate reach length your reach
- Any idea about the number of landowners in the reach if it is few a Landowner form may be needed
- Why only do the upper reach.
- Do we know how far upriver steelhead are spawning in Alpowa
- Could additional watersheds be added

# Tucannon River Landowner Assessment

**Sponsor:** Blue Mountain Land Trust  
**Location:** Tucannon MSA Mouth to Wooten Wildlife Area  
**3 Year Plan:** Yes.  
**Project Type:** Feasibility Study  
**Request/Match:** \$27,600/\$5,000  
**Pre Application:** No  
**Landowner Form:** Not Needed

**Description:** This project will assess the interest of landowners in conducting conservation easements or other restoration or protection actions on the Tucannon River from the mouth up to the state lands

- Develop mailer
- Support public meeting for interested
- Develop prioritized list of project on interested landowners

## **QUESTIONS/COMMENTS/NOTES:**

Draft Application

- There may be room to coordinate with the ongoing habitat assessments to pool landowners
- Also, could use the results of the previous assessments to prioritize areas to focus CE priorities

## Mill Creek Passage – Reach Type 6

**Sponsor:** Tri-State Steelheaders  
**Location:** Mill Creek - Restoration Reach  
**3 Year Plan:** Yes  
**Project Type:** Final Design and Implementation  
**Request/Match:** \$438,996/\$78,000  
**Pre Application:** Yes  
**Landowner Form:** Yes

**Description:** This project would work to finalize designs, permit and construct fish passage on Reach Type 6 identified in the Mill Creek Fish Passage Assessment. The approach would be to use the model results

- Existing condition is concrete channel with a low water trench and baffles
- Reach is 285 ft and is in a highly visible location
- Resting pools will allow fish opportunity to rest
- Roughened channel will provide a low velocity boundary providing passage up to 400cfs
- Passage is need to meet spatial criteria for delisting mid-Columbia Steelhead

### Questions/COMMENTS/NOTES:

Draft Application

- 

Pre-application

- What is the project reach length
- Describe this project in context of the large assessment
- List the other passage barriers that have been addressed

## Bridge to Bridge – Levee Removal

**Sponsor:** Tri-State Steelheaders  
**Location:** Walla Walla River MSA Restoration Reach  
**3 Year Plan:** Yes  
**Project Type:** Restoration  
**Request/Match:** \$634,706/\$112,007  
**Pre-Application:** Yes  
**Landowner Form:** Yes

**Description:** Implementation of the preferred alternative produced in the Bridge to Bridge Assessment (See Attached Draft Design) on about ½ mile of river impacting both banks developing side channels pools and increasing LWD

- Remove existing river levee
- Placement of Log jams along levee set back reach
- Side channel formation
- Side channel wood
- Create secondary terrace
- Riparian planting

### QUESTIONS/COMMENTS/NOTES:

Draft Applications:

- When will final designs be completed
- 

Pre-applications

- Budget information was not available at pre-application
- Are additional landowner involved beyond WDFW?
- Were other designs developed outside the proposed footprint as part of the reach assessment?
- Describe the actions that will be made on neighboring property

# Tucannon River LWD Stream Habitat Restoration

**Sponsor:** Washington Department of Fish & Wildlife  
**Location:** Tucannon River MSA  
**3 Year Plan:** Yes  
**Project Type:** Final Design and Implementation  
**Request/Match:** \$374,000/\$58,000  
**Pre-application:** No  
**Landowner Form:** Not Needed

**Description:** The project is an expansion on the existing project Tucannon River LWD Stream Habitat Restoration project funded in 2011. The expansion will be to expand from a ½ mile restoration to a 2 mile restoration project. The increase in size is the result in finds during the preliminary assessment and the availability of LWD. The project will use a helicopter to collect wood on the forest and transport it to the stream

- Allows for the transport of larger trees with more mass
- Increase LWD key piece per channel width to 2
- Decrease channel incision
- Increase Side channel habitat
- LWD will also be collected on the local landscape and placed on the key structures
- Removal and reduction of impact of levees and confinement structure currently in place
- Riparian habitat planting

## COMMENTS/NOTES:

Draft Application

- Provide the conceptual design results of the assessment with a final application
- Provide a schematic of the key piece log designs that will be in the conceptual designs
- Describe the assessment process in the application

# Pataha Creek Watershed Assessment

**Sponsor:** Pomeroy Conservation District  
**Location:** Pataha MSA Mouth to USFS Boundary  
**3 Year Plan:** Yes in General Category  
**Project Type:** Reach Assessment  
**Request/Match:** \$17,500/\$3,000

**Description:** Reach assessment to determine existing condition to guide further project selection. Objective would be to identify barriers, riparian opportunities, quality habitats, and degraded habitats with potential for restoration.

- Aerial photos will be acquired under an existing BPA contract spring 2011
- From the photos reaches for visual assessment will be developed when needed more flights will be conducted
- Do field surveys of potential barriers

## **Question/COMMENTS/NOTES:**

Draft Application:

- Make sure to conduct as much of the flight at high light periods to minimize shadows
- How difficult will it be to maintain steady elevation on flights?
- Identify the criteria and protocol for identifying barriers
- Might describe other attributes you would record during field sites

Pre-application

- The project will require 15% matching funds, recommend the BPA flights.
- Could be coordinated with Asotin LIDAR being conducted for IMW

## Restoration Phase of the Asotin Creek Intensively Monitored Watershed

**Sponsor:** Ecologic Research Inc.  
**Location:** Asotin MSA South Fork  
**3 Year Plan:** Yes  
**Project Type:** Design and Implement  
**Request/Match:** \$105,808/\$18,673  
**Pre-Application:** No  
**Landowner Form:** Yes

**Description:** The project proposes restoring 4 km of the lower South Fork Asotin Cr on WDFW lands. The restoration will be the first treatment as part of the Asotin Creek IMW. The goal is to test whether restoration actions are having an impact on fish populations. This project is coupled with extensive monitoring of fish and habitat.

- 4 years of pre monitoring has occurred
- Treatments will be the addition of LWD
- North Fork and Charley Fork Phases will follow
- Doubling of pool abundance (4.2 pools/100m to 8.4 pools/100m)
- Addition of 211 key pieces of wood
- Drive 2-3 posts into stream bed to anchor 6-10' long pieces of LWD (trial of method planned for 2011)

### COMMENTS/NOTES:

Draft Application

- Will need to write a short description of 1500 characters or less for the PRISM application

## Luhn Cattle Tenmile Creek Bridge Crossing

**Sponsor:** Asotin County Conservation District  
**Location:** Tenmile mSA – 1.5 miles from the Snake River  
**3 Year Plan:** Indirectly  
**Project Type:** Design Build  
**Request/Match:** \$43,947/\$7,755  
**Pre-Application:** Yes  
**Landowner Form:** Yes

**Description:** This project would design and construct a cattle/traffic bridge over existing ford. The bridge is proposed as a 40 foot span 10 ft wide rail car. The approaches to this ford are also in poor condition and contribute fine sediment. Plant filter strip under bridge.

### COMMENTS/NOTES:

- Consider questions and comments in staff comments
- Is the current crossing a passage barrier or risk to mortality?

### Pre-application

- This project would require 15% match.
- Would this project fit into FFFP as a small woodland owner
- What is the frequency of crossing?

# Bailysburg Bridge to Wolf Fork Design

**Sponsor:** City of Dayton  
**Location:** Upper Touchet River MSA  
**3 Year Plan:** Yes  
**Project Type:** Feasibility and Conceptual Design  
**Request/Match:** \$102,000/\$18,000  
**Pre-Application:** No  
**Landowner Form:** Not Needed

**Description:** This feasibility and design is proposed for the river reach beginning at the Bailysburg Bridge continuing upstream to the Wolf Fork Road Bridge. The objective would be to build on the data made available through the Touchet River Assessment being completed by developing concepts for the reach conducting landowner meetings and then working with interested landowners to develop conceptual designs that could be moved forward as projects.

**Questions/COMMENTS/NOTES:**  
Draft Application

# Upper Mill Creek Geomorphic Assessment – Seven Mile Bridge to Five Mile Bridge

**Sponsor:** Walla Walla County Conservation District  
**Location:** Mill Creek MSA Restoration Reach  
**3 Year Plan:** Yes  
**Project Type:** Assessment Feasibility and Design  
**Request/Match:** \$127,500/\$22,500

**Description:** Conduct geomorphic assessment of reach and develop conceptual design. The project site is in a developed reach of Mill Creek where the river channel has become active and has several deposition zones.

## COMMENTS/NOTES:

### Draft Application

- Will recommend putting language in the proposal stating what the deliverables will be in terms of assessment report (info from the assessment of the reach a requirement from RCO)
- I would describe what the design plan will entail and to what level the designs will completed
- Also, Consider include the TAG group as a review group in the development of concepts prior to design. The RCO also requires this step

### Pre-application

- 15% match will be required for this assessment.
- I had no additional comments from the RTT

# Upper Mill Creek – Titus Creek Restoration Project

**Sponsor:** Walla Walla County Conservation District  
**Location:** Mill Creek Restoration Reach Just above Titus Creek Diversion  
**3 Year Plan:** Yes  
**Project Type:** Assessment/Design/Implementation  
**Request/Match:** \$442,000/\$78,000

**Description:** The goal of this project is to redirect flows from its current location and aggrade the existing channel to a side channel for high flows.

- Target developing floodplain connectivity
- Side channel development
- Increased channel roughness

## COMMENTS/NOTES:

Draft Application

- Will need to explain in the proposal why this site overlaps the Mill Creek assessment
- Since we are asking for implementation funds we should include a conceptual drawing showing predicted outcome
- Also, I would not call the predesign measurements and assessment but rather a field survey to develop design specs

Pre application

- 15% match will be required for this assessment.
- I had no additional comments from the RTT

# Hofer Dam Diversion Sediment Remediation Project

**Sponsor:** Walla Walla County Conservation District  
**Location:** Lower Touchet River  
**3 Year Plan:** Yes  
**Project Type:** Assessment of Habitat  
**Request/Match:** \$48,200/\$7,800  
**Pre Application:** No  
**Landowner Form:** Yes

**Description:** The project would design and implement an action to rectify a sediment problem that has developed at the inlet fish screen on the Hofer Diversion and fish ladder.

- Constructing a concrete chute to increase the velocities in front of the screen enough to prevent sedimentation of fines

## **COMMENTS/NOTES:**

Draft Application:

-

# Mill Creek Conservation Easement

**Sponsor:** Inland Empire Action Coalition  
**Location:** Upper Mill Creek MSA Restoration Reach  
**3 Year Plan:** Yes  
**Project Type:** Conservation Easement  
**Request/Match:** \$552,906/\$97,800,  
**Pre-Application:** Yes  
**Landowner Form:** Yes

**Description:** The project would be to implement permanent conservation easement to permanently protect 64 acres and 1.78 stream bank miles. Implementation of project 10-1822

- Averages 296 feet on both banks
- Restrictions include; buildings or structures, roads, farming, grazing, timber, or disturbance of the river other than for restoration
- The project is located continuous with a previous easement
- Project is enlisted in the fee free to hunt program
- Creation of stewardship endowment, stewardship plan, baseline inventory, photo points and boundary markers

## QUESTIONS/COMMENTS/NOTES:

Draft Application

- When will the appraisal be completed?
- How many acres will be pursued for farmland preservation easement? Describe this in the proposal

Pre-application questions

- Budget is an estimate final appraisal is in progress.
- Describe how many acres are uplands, (may be good to show with a map.)
- Can the purchase be phased?
- How many years are remaining in CREP

This project was submitted after the deadline set by the Lead Entity

## Rattlesnake Creek Fish Barrier Removal/Corral Relocation

**Sponsor:** ASOTIN COUNTY CONSERVATION DISTRICT  
**Location:** Grande Ronde MSA -  
**3 Year Plan:**  
**Project Type:** Design Build  
**Request/Match:** \$46,823/140,74h???

Description: This project would work with WDOT to alleviate the passage barrier at the Rattlesnake Culvert, .relocate corral, and feeding area, address log crossing, and two fords.

- Mitigate drop at culvert
- Move corral 25 feet away from creek
- Move feeding area across road
- Install culvert on creek feeding water from side draw
- Arch culvert on West Fork Rattle Snake where road travels in creek bed for 50feet

### COMMENTS/NOTES:

- What contribution of DOT

## Appendix 1: Past SRSRB approved projects funded through the SRFB 2005 -2009.

FUNDED PROJECT	GRANT ROUND	PROJECT TYPE	LOCATION	SRSRB \$\$
South Fork Coppei Conservation Easement	6th, 2005	Acquisition (Cons Easement)	Middle Touchet MSA	\$138,000
Hofer Dam Fish Passage Project	6th, 2005	Restoration (Imminent Threat)	Lower Touchet	\$513,000
Touchet River Consolidation	6th, 2005	Restoration (Imminent Threat)	Upper Touchet MSA	\$450,000
Asotin County Fish screen Projects	6th, 2005	Restoration (Imminent Threat)	Asotin County	\$40,000
Curl Lake Fish Barrier Removal	6th, 2005	Restoration (Imminent Threat)	Tucannon MSA	\$78,000
George Creek Upland Sediment Reduction	6th, 2005	Restoration (Upland)	George Cr MSA	\$190,000
Gardena Dam Improvement	7th, 2006	Non-Capital (Assessment)	Walla Walla MSA	\$153,106
Mill Creek Passage Assessment	7th, 2006	Non-Capital (Assessment)	Mill Creek MSA	\$96,000
Doan Creek Assessment	7th, 2006	Non-Capital (Assessment)	Mill Creek MSA	\$17,000
Boles Conservation Easement	7th, 2006	Conservation Easement	Middle Touchet MSA	\$198,078
Coppei Fork Conservation Easement	7th, 2006	Acquisition (Cons Easement)	Middle Touchet MSA	\$153,106
Kooskooskie Conservation Easement	7th, 2006	Acquisition (Cons Easement)	Mill Creek MSA	\$41,967
Heffelinger Instream Passage	7th, 2006	Restoration (Imminent Threat)	Grande Ronde mSA	\$28,860
Shumaker Instream Passage	7th, 2006	Restoration (Imminent Threat)	Grande Ronde mSA	\$86,548

**Appendix 1: Continued**

<b>FUNDED PROJECT</b>	<b>GRANT ROUND</b>	<b>PROJECT TYPE</b>	<b>LOCATION</b>	<b>SRSRB \$\$</b>
Walla Walla Fish Screen Improvement	7th, 2006	Restoration (Imminent Threat)	Walla Walla County	\$74,016
McKinley Instream Habitat	7th, 2006	Restoration (In-stream)	Middle Touchet MSA	\$57,762
East End Ditch (Instream Flows)	7th, 2006	Restoration (In-stream Flow)	Upper Touchet MSA	\$66,500
Laib Direct Seed	7th, 2006	Restoration (Upland)	Middle Touchet MSA	\$77,000
Touchet River Assessment - Phase 1 - Reach 1	8th, 2007	Non-capital (Assessment)	Middle Touchet MSA	\$155,204
Touchet River Mile 42.5 Assessment	8th, 2007	Non-capital (Assessment)	Middle Touchet MSA	\$108,613
Upper Mill Creek Conservation Easement	8th, 2007	Acquisition (Cons Easement)	Mill Creek MSA	\$290,712
Coppei Creek Conservation Easement	8th, 2007	Acquisition (Cons Easement)	Middle Touchet MSA	\$198,575
Walla Walla Wicher Conservation Easement	8th, 2007	Acquisition (Cons Easement)	Walla Walla MSA	\$216,825
Mill Creek Lasher Conservation Easement	8th, 2007	Acquisition (Cons Easement)	Mill Creek MSA	\$187,189
Tenmile Bridge Project	8th, 2007	Restoration (Imminent Threat)	Tenmile mSA	\$39,000
Titus Creek Restoration	8th, 2007	Restoration (In-stream)	Mill Creek MSA	\$153,900
Touchet River Mile 42.5 Habitat Enhancement	8th, 2007	Restoration (In-stream)	Middle Touchet MSA	\$217,707
Joseph Creek Diversion Project	8th, 2007	In-stream Flow	Joseph Creek MSA	\$48,620

**Appendix 1: Continued**

<b>FUNDED PROJECT</b>	<b>GRANT ROUND</b>	<b>PROJECT TYPE</b>	<b>LOCATION</b>	<b>SRSRB \$\$</b>
George Creek Revegetation Project	8th, 2007	Restoration (Riparian)	George Cr MSA	\$52,785
Headgate Park Revegetation	8th, 2007	Restoration (Riparian)	Asotin Creek MSA	\$30,175
Yellowhawk Barrier Inventory	9th, 2008	Non-capital (Assessment)	Walla Walla MSA	\$40,000
Walla Walla River Bridge to Bridge Restoration - Design Phase	9th, 2008	Non-capital (Assessment)	Walla Walla MSA	\$101,705
Mill Creek Assessment & Design Project	9th, 2008	Non-capital (Assessment)	Mill Creek Msa	\$190,653
Walla Walla from Frog Hollow Bridge to Last Chance Road	9th, 2008	Non-capital (Assessment)	Walla Walla MSA	\$190,653
Coppei Creek Assessment & Project Design	9th, 2008	Non-capital (Assessment)	Middle Touchet Msa	\$148,653
Martin Conservation Easement	9th, 2008	Acquisition (Cons Easement)	Middle Touchet Msa	\$318,834
WWCCD Walla Walla Basin Fish Screens Project	9th, 2008	Restoration (Imminent Threat)	Walla Walla County	\$260,000
Touchet River Diversion Screens	9th, 2008	Restoration (Imminent Threat)	Upper Touchet MSA	\$16,453
Tucannon River In-stream Habitat Enhancement	9th, 2008	Restoration (In-stream)	Tucannon MSA	\$264,333
Columbia County False Indigobush Removal on Tucannon River	9th, 2008	Restoration (Riparian)	Tucannon mSA	\$95,000
Couse Creek Riparian Restoration	9th, 2008	Restoration (Riparian)	Couse Creek mSA`	\$46,410

**Appendix 1: Continued**

<b>FUNDED PROJECT</b>	<b>GRANT ROUND</b>	<b>PROJECT TYPE</b>	<b>LOCATION</b>	<b>SRSRB \$\$</b>
Tucannon River Off-set Dike Assess & Design (09-1742)	10th, 2009	Non-capital (Assessment)	Tucannon MSA	\$100,000
ACCD WDFW In-stream Habitat Restoration (09-1584)	10th, 2010	Restoration (In-stream)	George Cr MSA	\$119,000
2009 Wolf Fk. N Fk. Touchet River Fairchild CE (09-1582)	10th, 2011	Acquisition (Cons Easement)	Upper Touchet River MSA	\$137,313
Mill Creek Flume Transitions (09-1587)	10th, 2012	Restoration (Imminent Threat)	Mill Creek MSA	\$527,061
Mill Creek Sills Passage (09-1586)	10th, 2013	Restoration (Imminent Threat)		\$112,426
2009 Touchet River Chatman Conservation Easement (09-1580)	10th, 2014	Non-capital (Assessment)	Middle Touchet MSA	\$17,000
Fish Passage Improvement on the North Fork Touchet (09-1589)	10th, 2015	Restoration (Imminent Threat)	Upper Touchet River MSA	\$116,600
Ford Easement (09-1583)	10th, 2016	Non-capital (Assessment)	Middle Touchet MSA	\$35,000
Touchet River Assessment: County Line to USFS (09-1593)	10th, 2017	Non-capital (Assessment)	Upper Touchet River MSA	\$205,000
ACCD Headgate Fish Passage Design Alternatives (09-1602)	10th, 2018	Non-capital (Assessment)	Asotin Creek MSA	\$17,800
2009.South Patit Creek Fritze.01 (09-1592)	10th, 2019	Non-capital (Assessment)	Patit Creek mSA	\$17,000
Tucannon Ranch Design Feasibility (09-1595)	10th, 2020	Non-capital (Assessment)	Tucannon mSA	\$179,104
Tucannon River Off-Set Dike Con (09-1596)	10th, 2021	Restoration (Riparian)	Tucannon MSA	\$36,000