

Project #15-1224, South Prairie Creek (RM 4.0-4.6) Ph 1

Current Status: Application Submitted

Project Details

Primary Sponsor: South Puget Sound Salmon Enhancement Group

Primary Contact: Kristin Williamson
(360) 412-0808 103
kristinw@spsseg.org

Funding Program: Salmon State Projects

Lead Entity: Pierce County Lead Entity

Project Type: Restoration

Project Description

South Puget Sound Salmon Enhancement Group and partners propose to design and implement a stream and floodplain restoration project along 0.6 miles of South Prairie Creek east of Orting. The goal of this project is to improve instream habitat, off-channel habitat, riparian function, and floodplain connectivity to increase the overall capacity of this stream reach to support juvenile rearing, adult spawning, and egg incubation for pacific salmon, specifically Puget Sound Chinook, steelhead, coho, chum, pink, and coastal cutthroat. Phase 1 (2016-19) Placement of 3 channel spanning and 6 mid channel structures along a 0.6 mile reach of South Prairie Creek Installation of floodplain roughness structures Demolition of bridge crossing on the main channel of South Prairie Creek and installation of bridge crossing over Silver Springs off of Spring Site Road Demolition of 6-10 remnant dairy buildings Planting of 18 acres Phase 2 (2017-20) Removal of accumulated sediments from floodplain channels Placement of 32 floodplain wood structures and floodplain roughness Placement of 1 channel spanning structure and 3 mid channel structures in the main channel Planting of 45 acres Design and installation of interpretive materials

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer
Completion Date	
Projected date of completion	1/31/2018
Sponsor Match: Monetary Funding	
Amount of other monetary funding (A.12)	\$248,000.00
Project identifier for the other monetary funding (A.12.b)	NA
Source of other monetary funding (A.12.a)	Puyallup Tribe Pierce County SWM
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	Sponsor Match Source	
Salmon State Projects	\$1,363,438	84.61 %		Appropriation \ Cash	\$248,000
Sponsor Match	\$248,000	15.39 %	15%		
Total Project Funding	\$1,611,438	100.00 %			
Project Cost Summary					
RESTORATION COSTS					
Restoration	\$1,366,658				
A&E	\$244,780		17.91 %		\$409,997 (30%)
Subtotal	\$1,611,438	100.00 %			
Total Cost Estimate	\$1,611,438	100.00 %			

Worksites and Properties

General Area: South Prairie Creek east of Orting

County: Pierce

Legislative Districts 2012: 31
Congressional Districts 2012: 08
Salmon Recovery Regions: Puget Sound
DNR Watershed Units (WAU): South Prairie
4th Field Catalog Units (HUC): Puyallup
WRIA: Puyallup-White
Sections: 14
Township: T19NR05E
Coordinates: 47.13394147
 -122.12361519

Worksite #1: South Prairie Creek

Coordinates from Mapped Point: **Latitude:** 47.13394147 **Longitude:** -122.12361519
Coordinates from Worksite **Latitude:** 47.133252 **Longitude:** -122.121628
Directions:

Worksite Description: The project site is four parcels 519132027, 0519132028, 0519132029, and 0519132700 including the South Prairie Creek Preserve at the former Inglin Dairy site. We will be constructing/reconnecting floodplain channels on the right bank and installing large wood in the floodplain and in the main channel of South Prairie Creek.

Site Access Directions: From the city of Orting drive 6.9 miles east on Hwy 163. Turn left into the South Prairie Creek Preserve

Worksite Address:
 13518 Pioneer Way East
 Orting, WA 98360

Restoration 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, Pink Salmon-Odd year ESU, Steelhead-Puget Sound DPS	
Targeted species (non-ESU species)	Bull Trout, Cutthroat, Rainbow, Searun Cutthroat	
Miles Of Stream Treated/Protected (C.0.b)	0.50	
Project Identified In a Plan or Watershed Assessment (C.0.c)	Pierce County Lead Entity 2012. Salmon Habitat Protection and Restoration Strategy. WRIA 10 Puyallup White Watersehd and WRIA 12 Chambers Clover Watershed.	
Type Of Monitoring (C.0.d.1)	None	
Monitoring Location (C.0.d.2)	No monitoring completed	
Instream Habitat Project		
Total Miles Of Instream Habitat Treated (C.4.b)	0.50	
Channel structure placement (C.4.d.1)		
Total cost for Channel structure placement		\$562,658.00
Material Used For Channel Structure (C.4.d.2)	Logs Fastened Together (Logjam), Other Engineered Structures, Rocks/Boulders (Unanchored)	
Miles of Stream Treated for channel structure placement (C.4.d.3)	0.40	
Acres Of Streambed Treated for channel structure placement (C.4.d.4)	9.0	
Pools Created through channel structure placement (C.4.d.5)	9	
Yards Of Average Stream-Width At Mid-Point Of Worksite (C.4.d.6)	15	
Number of structures placed in channel (C.4.d.7)	9	
Unspecified or other instream habitat project. (C.4.j.1)		
Total cost for unspecified or other instream habitat projects		\$150,000.00
Unspecified Or Other Instream Habitat Project (C.4.j.2)	0.01	
Riparian Habitat Project		
Total Riparian Miles Streambank Treated (C.5.b.1)	0.70	
Total Riparian Acres Treated (C.5.b.2)	18.0	
Debris/structures removal (C.5.j.1)		
Total cost for Debris/structures removal		\$458,000.00
Acres of Riparian Area Treated. (C.5.j.2)	3.5	
Planting (C.5.c.1)		
Total cost for Planting		\$166,000.00
Species Of Plants planted in riparian (C.5.c.2)	To be determined	
Acres Planted in riparian (C.5.c.3)	18.0	
Miles of streambank planted (C.5.c.4)	0.70	
Average Riparian Width	150	

Cultural Resources
Cultural resources

Architectural & Engineering

Architectural & Engineering (A&E)

Total cost for Architectural & Engineering (A&E)

\$244,780.00

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.**
Yes, Yes in 2014. The Puyallup Tribe and DAHP were consulted.
- 2 of 6** **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?**
Currently the properties are held in protection for salmon habitat and floodplain management by the Pierce Conservation District and Pierce County Surface Water Management. Historically the properties were used for light agriculture and were cleared for pasture and subsequently mowed consistently for hay and silage.
- 3 of 6** **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, One of the properties is the South Prairie Creek Preserve that is owned by the Pierce Conservation District. The other property is owned by Pierce County.
- 4 of 6** **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".**
The project will require heavy equipment construction and ground-disturbing activities using excavators and bulldozers. Ground disturbing activities will be associated with wood installation in the stream and new side channels, side channel excavation, bridge and structure demolition, and planting. A cultural resources assessment has already been completed to accommodate this planned work and a report is attached to this application. Ground disturbing activities will also occur to demolish dairy structures and below grade manure tanks. A full cultural resources assessment for this work has not yet been completed but will be completed by September 2015.
- 5 of 6** **Give street address for this worksite if available.**
13518 Pioneer Way East, Orting, WA 98360
- 6 of 6** **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, A bridge over South Prairie Creek will be demolished. The structure has already been addressed by a cultural resources assessment. Please refer to the attached report. The following buildings will also be demolished and have already been reviewed by DAHP and determined not to be historic. There is a structural analysis report attached to this application which details each structure, including photos. Tool Shed-1920 built date Large Loafing Shed-1970 built date Lean-to-1966 built date Red Barn-1920 built date Small Loafing shed-1970 built date Commodity Bldg.-1970 built date

Property for South Prairie Creek Worksite #1: Pierce County

Activity: Restoration

Landowner

Pierce County Surface Water Mgmt
2702 S 42nd Street Ste 201
Tacoma, WA 98409-7322

Control and Tenure

Instrument Type: Landowner Agreement
Purchase Type:
Term Length: Fixed # of years (10 years)
Expiration Date:
Note:

Landowner Type: Local Government

Property for South Prairie Creek Worksite #1: South Prairie Creek Preserve

Activity: Restoration

Landowner

Pierce Conservation District
PO Box 1057
Puyallup, WA 98371

Control and Tenure

Instrument Type: Landowner Agreement
Purchase Type:
Term Length: Fixed # of years (10 years)
Expiration Date:
Note:

Landowner Type: Local Government

Overall Project Questions

- 1 of 5** **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
- 2 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
- 3 of 5** **Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination.**

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.

Pierce County SWM \$100,000. The funding has been obligated but the terms and timeline of the agreement has not yet been defined. Puyallup Tribe Fish Commission Funds- \$480,000. The funding has been obligated but the terms and timeline of the agreement has not yet been defined.

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.

We are not currently claiming any donated labor as match for the project, however, there will be a significant volunteer labor component for plant installation and maintenance which is still to be determined.

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Archeological & Cultural Resources (EO 05-05)				
Cultural Assessment [Section 106]				
Dredge/Fill Permit [Section 10/404 or 404]				
Endangered Species Act Compliance [ESA]				
Hydraulics Project Approval [HPA]				

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, The cultural resources assessment covers both 106 consultation and EO 0505 for the entire APE. We plan to submit the whole project scope to the Corps as one permit application.
- 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)?**
 Yes

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
Cost Estimate	SRFB_Cost_Estimate_SouthPrairie_Final8142015.xlsx	08/14/2015
Cost Estimate	SRFB_Cost_Estimate_SouthPrairie.xlsx	04/14/2015
Design document	South Prairie Creek Restoration Basis of Design Memo (Draft .pdf	08/14/2015
Design document	SPC Draft 90% Plan Set 8.14.15.pdf	08/14/2015
Design document	REVISED(90%)_SouthPrairieCreek_HydraulicMap_Package.pdf	08/14/2015
Design document	SPCProposal_SRFBTRPHandout_May52015.pdf	05/12/2015
Design document	South Praire Phase 1 and 2 Site Plan.pdf	04/14/2015
Design document	Project Phasing Strategy.pdf	04/14/2015
Design document	S. Prairie Creek - Alternatives Matrix.docx	04/09/2015
Design document	S. Prairie Creek - Alternative Drawings.pdf	04/09/2015
Design document	SPC_HydraulicResultMaps_23Apr2014 (1).pdf	04/09/2015
Design document	Basis of Design Memo - 8 11 14.docx	08/15/2014
Design document	60% Design for Ph 1 & 2 - June 2014.pdf	08/15/2014
Design document	SPC_Draft_GeoM-T_Memo_Dec_30_2013_mar.docx	08/10/2014
Design document	CAC Socioeconomic Questions South Prairie 4.0-4.5.pdf	05/09/2014
Map: Restoration Worksite	Vicinity map.docx	04/15/2015
Photo	Floodplain LUS.jpg	04/14/2015
Photo	Floodplain LDS.jpg	04/14/2015
Photo	SPC_upstream_RM4.4.jpg	04/07/2015
Photo	pano.jpg	04/07/2015
Photo	IMG_1254.jpg	04/07/2015
Photo	SPC_bridge_downstream_Dec_2013.jpg	04/18/2014
Photo	SPC_bridge_upstream_Dec_2013.jpg	04/18/2014
Salmon Project Proposal	ProjectProposal_SouthPrairiePhase 1_Final8142015.docx	08/14/2015
Salmon Project Proposal	ProjectProposal_SouthPrairiePhase 1_FinalDraft.docx	04/16/2015
SRFB Review Panel	15-1224 South Prairie Creek RM 4.0 to 4.6 Phase I_Responseto.docx	08/14/2015

Application Status

Application Due Date: 08/14/2015

Status	Status Date	Name	Notes
Application Submitted	08/14/2015	Kristin Williamson	
Preapplication	04/06/2015		

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. (Kristin Williamson, 08/14/2015)

Date of last change: 08/14/2015