

MF - Porter Creek Reach Phase 1

Project Details



Lummi Nation; MF - Porter Creek Reach Phase 1 (#15-1286)
Attachment #189429, IMG_0874

Project Status: Active since 04/26/2016
Planned Completion: 12/31/2017
This project is in progress. Project scope, activities, and dollars may change.

Project Type: Restoration
Project Sponsor: Lummi Nation
Funding Board: Salmon Recovery Funding Board

Funding

Puget Sound Acq. & Restoration: \$867,114
Total RCO Grant: \$867,114 (85%)
Sponsor Match: \$155,657 (15%)
Total Agreement: \$1,022,771 (100%)

RCO Grant Status

Total RCO Grant: \$867,114.00
Paid To Date: \$287,006.94 (33%)
Grant Balance: \$580,107.06 (67%)

Links

Original Project Agreement
Progress Report: 12/22/2016
Attachments: 46 files

Project Description

The Porter Reach Phase I In-stream Restoration Project is located between river miles 4.5 and 4.95 on the main stem of the Middle Fork Nooksack, in Welcome, Washington (Whatcom County). The goal of the project is to restore salmonid (focusing on Chinook, steelhead, Coho and Bull Trout) spawning, rearing and holding habitat in order to recover self-sustaining salmonid runs to harvestable levels by addressing limiting factors of temperature, channel stability, and habitat diversity and quantity in the reach.

The Lummi Nation will use this grant to construct 11 engineered log jams (ELJs) in the mainstem Middle Fork Nooksack River, consisting of three Type I ELJs (42x80x6'), two Type II ELJs (30x60x6'), and six Type III ELJs (34x75x4'). Endangered early spring Chinook salmon and Bull Trout will benefit from 11 primary pools; more pools may develop indirectly as increased roughness causes dynamic equilibrium. Scour pools provide thermal refugia (holding pools) from elevated Middle Fork water temperatures during summer spawning months in addition to pools for juvenile overwintering (rearing pools). In addition, juveniles will benefit from 1.23 miles of off channel rearing habitat by increasing connectivity with the floodplain and side channels. All features are focused on enhancement of endangered Spring Chinook (*Oncorhynchus tshawytscha*) habitat by maximizing natural habitat-forming processes inherent in this reach of river.

Project Contacts

Project Sponsor: Lummi Nation

Lead Entity: WRIA 1 Watershed Management Board

Project Contact: Alex Levell
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(360) 312-2307

Funding Agency: Recreation and Conservation Office

Project Manager: Marc Duboiski
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(360) 902-3137

Project Location

General Area: Lower Middle Fork

County: Whatcom

Legislative Districts 2012: 42

Congressional Districts 2012: 01

Salmon Recovery Regions: Puget Sound

DNR Watershed Units (WAU): Porter Canyon

4th Field Catalog Units (HUC): Nooksack

WRIA: Nooksack

Sections: 02

Township: T38NR05E

Coordinates: 48.80580347
-122.12771261

Worksites

Worksite Name	Scope of Work	Proposed Restoration Cost
Phase 1 (#1)	Architectural & Engineering (A&E), Channel reconfiguration and connectivity (C.4.c.1), Channel structure placement (C.4.d.1), Implementation monitoring, Obtain permits	\$1,022,771
Total		\$1,022,771

Properties

Worksite Name	Property Name	Landowner Type
Phase 1 (#1)	Property 1 - Washington State DNR	State Government
Total		

Project Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Proposed
Restoration Metrics (rolled up from Worksite level)	
Instream Habitat Project	
Channel reconfiguration and connectivity (C.4.c.1)	
Miles of Stream Treated for channel reconfiguration and connectivity (C.4.c.3)	0.95
Miles of Off-Channel Stream Created (C.4.c.4)	0.15
Acres Of Channel/Off-Channel Connected Or Added (C.4.c.5)	5.0
Instream Pools Created/Added (C.4.c.6)	11
Channel structure placement (C.4.d.1)	
Miles of Stream Treated for channel structure placement (C.4.d.3)	1.10
Acres Of Streambed Treated for channel structure placement (C.4.d.4)	0.6
Pools Created through channel structure placement (C.4.d.5)	10
Number of structures placed in channel (C.4.d.7)	11
Permits	
Obtain permits	
Number of permits required for implementation of project	10

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Water Quality Certification [Section 401]	05/17/2016			
Shoreline Permit	06/09/2016	08/03/2016		SHX2016-00088
SEPA	06/14/2016	07/08/2016		
Nationwide Permit	03/17/2016	07/28/2016	03/18/2018	NWS-2016-493
Hydraulics Project Approval [HPA]	05/09/2016	07/28/2016	09/30/2016	2016-4-566+01
Endangered Species Act Compliance [ESA]	06/10/2016	07/27/2016		
Dredge/Fill Permit [Section 10/404 or 404]	05/17/2016	07/28/2016	03/18/2018	NWS-2016-493
Cultural Assessment [Section 106]	01/20/2016	06/08/2016		
Aquatic Lands Use Authorization	05/17/2016	08/04/2016	07/27/2021	23-094098
Forest Practices Application [Forest & Fish]	05/26/2016	07/19/2016	07/19/2019	2815196
Other Required Permits	07/14/2016	07/26/2016	12/31/2016	
Other Required Permits	04/06/2016	07/28/2016	09/30/2018	50-092614
Other Required Permits	06/09/2016	07/28/2016		FLD 16-68

Project Milestones

Milestone Name	Target Date	Description
Preliminary Design to RCO	08/14/2015	Submitted with application
Project Start	12/09/2015	
Applied for Permits	03/01/2016	
Final Design to RCO	04/30/2016	As described in RCO-SRFB Manual #18, Appendix D-3.
Bid Awarded/Contractor Hired	05/15/2016	
Progress Report Submitted	06/30/2016	
Cultural Resources Complete	07/15/2016	
Landowner Agreement to RCO	07/22/2016	
Annual Project Billing	07/31/2016	
Permits Complete	07/31/2016	

Funding Acknowl Sign Posted	07/31/2016
Restoration Started	08/04/2016
Progress Report Submitted	12/31/2016
Progress Report Submitted	06/30/2017
Annual Project Billing	07/31/2017
RCO Final Inspection	09/30/2017
Restoration Complete	12/31/2017
Stewardship Plan to RCO	12/31/2017
Agreement End Date	12/31/2017
Progress Report Submitted	12/31/2017
Final Design to RCO	12/31/2017 As-built drawings to RCO.
Final Report in PRISM	02/28/2018
Final Billing to RCO	03/31/2018

NOTE: This data is subject to change.

Project Attachments

Attachment Type	Attachment Title	Attach Date
Agreement - State	15-1286 Project Agreement.pdf	04/26/2016
Application Review Report	Application Review Report, 15-1286R(compl 08/07/15 14:19:52).pdf	08/07/2015
Authorizing Resolution/Application Authorization	15-1286 Signature Authorizaton Resolution.pdf	04/26/2016
Cost Estimate	Cost estimate_MF Porter Phase 1_6_30_15.pdf	07/02/2015
Design document	Phase1 Hydraulic Assess 07-19-16.pdf	12/21/2016
Design document	MFN_Porter_BOD_051816.pdf	06/14/2016
Design document	MF Nooksack Phase 1 Design 05-31-16.pdf	06/14/2016
Design document	MFN_geomorphic assessment update_02182016_LNR.docx	04/27/2016
Design document	Inr.Porter Creek.wetland memo2.complete.pdf	04/27/2016
Design document	Middle Fork Nooksack Phase 1 and 4_12APR2016_90%.pdf	04/27/2016
Design document	Middle Fork Nooksack 2jun2014.pdf	06/30/2014
Design document	MFN_BOD_REPORT FULL 06022014.pdf	06/30/2014
Environmental Site Assessment Report	MFN geomorph report_FINAL.pdf	06/24/2014
Map: Area of Potential Effect (APE)	MF_AreaofPotential Effect_phase1.pdf	07/02/2015
Map: Restoration Worksite	Figure 1 ProjectVicinityPorterReach.pdf	05/14/2015
Permit	SEPA determination_MF Porter Ph 1.pdf	11/15/2016
Permit	shx2016-00088-determination-20160803.pdf	11/15/2016
Permit	Porter Ck Rch Phase 1 Flood Permit_FINAL_(FLD 16-68 SHX2016-.pdf	11/15/2016
Permit	NWP 27_16-4-00493.pdf	11/15/2016
Permit	HPA_Middle Fork Porter Reach Phase 1 Extension.pdf	11/15/2016
Permit	Hydraulic Project Approval_MF Porter Phase 1.pdf	11/15/2016
Permit	DNR_RUP MF Porter Ph 1 Signed.pdf	11/15/2016
Permit	FPA_Notice of decision 2815196.pdf	11/15/2016
Permit	Approved Waiver_MF Porter Ph1.pdf	11/15/2016
Permit	DNR Aquatics ROE_23-094098.pdf	11/15/2016
Permit	Limit 8 MF Porter.pdf	07/01/2016
Photo	IMG_0874.jpg	05/17/2014
Photo	IMG_0777.jpg	05/17/2014
Progress report	Progress Report 12/22/2016.pdf	12/22/2016
Progress report	15-1286_SRFB(830)MF Porter PH1_070116_123116.docx	12/21/2016
Progress report	Progress Report 07/05/2016.pdf	07/05/2016
Progress report	15-1286_SRFB(830)MF Porter PH1_120915_063016.docx	07/01/2016
Project Application Report	Application Report, 15-1286R (submitted 08/04/15 13:03:50).pdf	08/04/2015
Project Metric Report	Figure 9_Habitat Indicator Table.pdf	05/14/2015
Salmon Project Proposal	REV_Phase1_Project Proposal_07_02_.docx	08/04/2015
Salmon Project Proposal	SRFB_Porter_Reach_Phase1_Construction_Application_2015.docx	05/14/2015
SRFB Review Panel Comment Form	Final SRFB RP Comment Form.pdf	01/29/2016
SRFB Review Panel Comment Form	14-1651 MFPorter Creek Reach Phase 1 Restoration_PostApp.pdf	12/30/2014
Video	chinook_jacks in side channel.mov	12/21/2016
Visuals	Figure 7_Historical aerials.pdf	05/14/2015
Visuals	Figure 5 MF_redds_2008_2011.pdf	05/14/2015
Visuals	Figure 6 Porter Reach Phase I Channel history.pdf	05/14/2015
Visuals	Figure 8_Photos.pdf	05/14/2015
Visuals	Figure 4 Porter Reach Phase I Prelim Design.pdf	05/14/2015
Visuals	Figure 3 MF_habitat_2013.pdf	05/14/2015
Visuals	Figure 2 Middle Fork Nooksack Porter Reach Phase1 Proiect Wo.pdf	05/14/2015