

NF (Xwqélém) Farmhouse Phase 2b Construction

Project Details



Nooksack Indian Tribe; NF (Xwqélém) Farmhouse Phase 2b Construction (#15-1287) Attachment #189377, Primary Photo

Project Status: Active since 03/10/2016
Planned Completion: 03/31/2018
This project is in progress. Project scope, activities, and dollars may change.

Project Type: Restoration
Project Sponsor: Nooksack Indian Tribe
Funding Board: Salmon Recovery Funding Board

Funding

Puget Sound Acq. & Restoration:	\$726,516
Salmon Federal Projects:	\$69,316
Total RCO Grant:	\$795,832 (85%)
Sponsor Match:	\$140,442 (15%)
Total Agreement:	\$936,274 (100%)

RCO Grant Status

Total RCO Grant:	\$795,832.00
Paid To Date:	\$544,146.84 (68%)
Grant Balance:	\$251,685.16 (32%)

Links

Original Project Agreement
Progress Report: 9/8/2016
Attachments: 49 files

Project Description

The Nooksack Tribe will restore instream habitat in the North Fork Nooksack River, RM 47.9 - 48.2, near Kendall, Whatcom County. The goal is to address North/Middle Fork Nooksack chinook limiting factors of high channel instability and low habitat diversity. Specifically, this project will construct 16 log jams in a 0.3-mile river segment, to advance the second of six phases of restoration planned in the broader Farmhouse reach (RM 46.4-49). Log jams are designed to: (1) form pools and increase habitat diversity; and (2) promote forested island formation and persistence. The project is designed to benefit ESA-listed chinook, but it will also benefit ESA-listed Steelhead and Bull Trout; Coho, Chum, riverine Sockeye, and Pink salmon; and Cutthroat Trout.

North/Middle Fork Nooksack early chinook are essential for ESU recovery, but productivity is critically low. This project implements high priority actions in a high priority reach of the North Fork. Given the forestry-dominated adjacent land use and relative lack of channel constraints, the Farmhouse reach presents an important opportunity to restore habitat-forming processes. The reach is also just upstream from the Kendall hatchery, site of the North Fork/Middle Fork Nooksack early Chinook population rebuilding program, and the reach is heavily used, increasing certainty of benefit.

Project Contacts

Project Sponsor: Nooksack Indian Tribe

Lead Entity: WRIA 1 Watershed Management Board

Project Contact: Treva Coe
tcoe@nooksack-nsn.gov
(360) 592-5140 Ext 3144

Funding Agency: Recreation and Conservation Office

Project Manager: Marc Duboiski
marc.duboiski@rco.wa.gov
(360) 902-3137

Project Location

General Area: Upstream of WDFW
Kendall Fish Hatchery

County: Whatcom

Legislative Districts 2012: 42

Congressional Districts 2012: 01

Salmon Recovery Regions: Puget Sound

DNR Watershed Units (WAU): Kenney Creek

4th Field Catalog Units (HUC): Nooksack

WRIA: Nooksack

Sections: 01

Township: T39NR05E

Worksites

Worksite Name	Scope of Work	Proposed Restoration Cost
Farmhouse Phase 2b (#1)	Architectural & Engineering (A&E), Channel structure placement (C.4.d.1), Implementation monitoring	\$936,274
Total		\$936,274

Properties

Worksite Name	Property Name	Landowner Type
Farmhouse Phase 2b (#1)	Property 1 - Roger McMunn	Private
Farmhouse Phase 2b (#1)	Property 2 - The Glen Community Association	Private
Farmhouse Phase 2b (#1)	Property 3 - Harvey Henry	Private
Farmhouse Phase 2b (#1)	Property 4 - WA DNR State Lands	State Government
Farmhouse Phase 2b (#1)	Property 5 - WA DNR Aquatic Lands	State Government
Total		

Project Metrics (Outcomes, Benefits)

Category / Work Type / Metric

Proposed

Restoration Metrics (rolled up from Worksite level)

Instream Habitat Project

Channel structure placement (C.4.d.1)

Miles of Stream Treated for channel structure placement (C.4.d.3)	0.30
Acres Of Streambed Treated for channel structure placement (C.4.d.4)	15.0
Pools Created through channel structure placement (C.4.d.5)	8
Number of structures placed in channel (C.4.d.7)	16

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Nationwide Permit	06/07/2016	07/14/2016	03/18/2017	NWS-2014-326
Other Required Permits	06/09/2016	07/15/2016	07/01/2017	50-094257
Endangered Species Act Compliance [ESA]	06/02/2016	07/13/2016		No. 1341-2008-FWS-#F-0209
Hydraulics Project Approval [HPA]	06/02/2016	07/01/2016	09/30/2016	2016-4-457+01
Aquatic Lands Use Authorization	06/02/2016	07/20/2016	06/30/2021	23-094251
SEPA	05/11/2015	06/01/2015		SEP2015-00032
Shoreline Permit	06/02/2016	07/20/2016	07/20/2021	SHX2016-00080
Other Required Permits	06/30/2016	07/19/2016		
Other Required Permits	07/20/2016	07/21/2016	12/31/2016	

Project Milestones

Milestone Name	Target Date	Description
Preliminary Design to RCO	08/14/2015	Submitted with application (13-1276)
Project Start	12/09/2015	
Applied for Permits	04/01/2016	
Bid Awarded/Contractor Hired	06/30/2016	
Progress Report Submitted	07/01/2016	
Landowner Agreement to RCO	07/15/2016	
Cultural Resources Complete	07/15/2016	
Permits Complete	07/15/2016	
Restoration Started	07/20/2016	
Annual Project Billing	07/31/2016	
Final Design to RCO	08/01/2016	
Progress Report Submitted	12/31/2016	
Final Design to RCO	01/31/2017	As-built report
Progress Report Submitted	07/01/2017	
Annual Project Billing	07/31/2017	
Progress Report Submitted	12/31/2017	
Restoration Complete	03/31/2018	
Agreement End Date	03/31/2018	
RCO Final Inspection	06/01/2018	
Final Report in PRISM	06/30/2018	

NOTE: This data is subject to change.

Project Attachments

Attachment Type	Attachment Title	Attach Date
Agreement - State	15-1287 Project Agreement.pdf	03/10/2016
Application Review Report	Application Review Report, 15-1287R(compl 10/19/15 11:24:03).pdf	10/19/2015
Application Review Report	Application Review Report, 15-1287R(rtnd 10/13/15 16:36:11).pdf	10/13/2015
Application Review Report	Application Review Report, 15-1287R(compl 08/28/15 11:20:38).pdf	08/28/2015
Cost Estimate	15-1287_FINAL_Cost_Estimate_Oct2015.xlsx	10/13/2015
Design document	FINAL_Farmhouse_Ph2A (clarifying note added to C-2).pdf	10/13/2015
Design document	Final Farmhouse Reach Feasibility Report.pdf	05/14/2015
Design document	Reach-scale hydraulic model output (existing, change with pr.pdf	08/15/2014
Environmental Site Assessment Report	Geomorphic Assessment.pdf	05/16/2014
Inspection Report	Inspection Report, #906 (Submitted 12/09/16 10:46:45).pdf	12/09/2016
Limit 8 Self-Certification Form	Limit8Form.pdf	09/06/2016
Map: Restoration Worksite	15-1287_Vicinity (updated project extent).pdf	07/02/2015
Permit	DNS_052015.pdf	09/06/2016
Permit	SHX2015-00080_FinalDetermination.pdf	09/06/2016
Permit	Farmhouse Phase 2B Flood Permit_FINAL_(FLD 16-66, SHX2016-00).pdf	09/06/2016
Permit	Final_RUP_Farmhouse Phase 2B_Signed_071516.pdf	09/06/2016
Permit	Farmhouse Phase 2B Minor Modification.pdf	09/06/2016
Permit	HPA Permit_1004_Farmhouse 2B_Received 2016_0701.pdf	09/06/2016
Permit	Class 4 Fire Waiver Permit.pdf	09/06/2016
Permit	Class 2-3 Fire Waiver Permit.pdf	09/06/2016
Permit	23-094251 Nooksack Aquatic Lands Conservation License_7-20-2.pdf	09/06/2016
Permit	NWP 27_14-4-00326_2b.pdf	09/06/2016
Permit	Farmhouse2B_SPIF_Final_Signed.pdf	09/06/2016
Photo	Secondary Photo.jpg	05/16/2014
Photo	Primary Photo.jpg	05/16/2014
Plans and Bid Specifications	Farmhouse Phase2b_Final100%_Design.pdf	09/06/2016
Progress report	Progress Report 09/08/2016.pdf	09/08/2016
Project Application Report	Application Report, 15-1287R (submitted 10/13/15 18:44:09).pdf	10/13/2015
Project Application Report	Application Report, 15-1287R (submitted 08/13/15 18:26:05).pdf	08/13/2015
Salmon Project Proposal	15-1287-Proposal_2015-1013 (tracked changes).docx	10/13/2015
SRFB Review Panel Comment Form	Final SRFB Review Panel Comment Form.pdf	01/29/2016
Visuals	15-1287-Fiaures (updated Fiaures 7-9).pdf	10/13/2015

Date of last change: 02/03/2017