

Qwuloolt Estuary Restoration - Construction

Project Details



Tulalip Tribe: Qwuloolt Estuary Restoration - Construction (#09-1277) Attachment #246220, QwulooltestuaryOct2015

Project Status: Active since 03/22/2010
Planned Completion: 12/31/2016
This project is in progress. Project scope, activities, and dollars may change.

Project Type: Restoration
Project Sponsor: Tulalip Tribe
Funding Board: Salmon Recovery Funding Board

Funding

Aquatic Lands Enhancement Acct: \$456,780
 Puget Sound Acq. & Restoration: \$1,550,000
Total RCO Grant: \$2,006,780 (80%)
 Sponsor Match: \$488,500 (20%)
Total Agreement: \$2,495,280 (100%)

RCO Grant Status

Total RCO Grant: \$2,006,780.05
Paid To Date: \$1,806,102.05 (90%)
 Grant Balance: \$200,678.00 (10%)

Links

Original Project Agreement
 Amendments: 13
 Progress Report: 1/6/2016
 Attachments: 123 files

Project Description

The Tulalip Tribes, with the US Army Corps of Engineers (Corps), will complete the Qwuloolt Estuary Restoration Project, a broad-based interagency and community effort to restore historic tidal processes and a functioning estuary intertidal marsh system to approximately 350 acres of isolated floodplain in lower Snohomish River estuary, in Marysville, WA. The project will also restore natural hydrologic connection and functions to two stream systems and provide unrestricted fish access to 16 miles of upstream spawning and rearing habitat. Restoration work includes channel excavation and ditch filling, treatment of invasive reed canary grass, restoration of more than 1 mile of historic and new creek channel with riparian plantings, construction of approximately 4,000 feet of the west setback levee, and breaching the Ebey Slough levee, as well as project permitting, design, and management tasks. These funds will supplement tribal funds to meet a 35% local cost-share obligation for working with the Corps under the Puget Sound and Adjacent Waters Program; total project costs are projected to exceed \$19,000,000 including land acquisition.

Project Contacts

Project Sponsor: Tulalip Tribe

Project Contact: Kurt Nelson
 knelson@tulaliptribes-nsn.gov
 (360) 716-4617

Lead Entity: Snohomish Basin Lead Entity

Funding Agency: Recreation and Conservation Office

Project Manager: Josh Lambert
 Josh.Lambert@rco.wa.gov
 (360) 725-3935

Project Location

General Area: The project will occur adjacent to Ebey Slough (at river mile 3)

County: Snohomish

Legislative Districts 2012: 38

Congressional Districts 2012: 02

Salmon Recovery Regions: Puget Sound

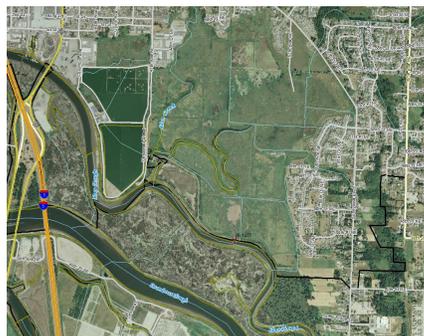
DNR Watershed Units (WAU): Quilceda Creek

4th Field Catalog Units (HUC): Snohomish

WRIA: Snohomish

Sections: 03

Township: T29NR05E



Worksites

Worksite Name	Scope of Work	Proposed Restoration Cost
Qwuloolt (#1)	Architectural & Engineering (A&E), Channel modification (C.9.c.1), Cultural resources, Dike Or berm modification / removal (C.9.d.1), Estuarine/nearshore planting, Fill placement (C.9.h.1), Obtain permits, Restoration signs	\$55,000
Total		\$55,000

Properties

Worksite Name	Property Name	Landowner Type
Qwuloolt (#1)	Property 1 - Tulalip Tribes - Qwuloolt	Tribal Government
Total		

Project Metrics (Outcomes, Benefits)

Category / Work Type / Metric Proposed

Restoration Metrics (rolled up from Worksite level)

Estuarine / Nearshore Project

Channel modification (C.9.c.1)

Yards of Channel Modified/Created (C.9.c.2)	750
Acres of Estuary Treated (C.9.c.3)	400.0

Dike Or berm modification / removal (C.9.d.1)

Miles Of Dikes Removed (C.9.d.2)	0.33
Acres of Habitat Made Available To Salmonids through dike or berm modification/removal (C.9.d.3)	354.0

Fill placement (C.9.h.1)

Acres of Estuary Treated with fill placement (C.9.h.2)	8.0
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Estuarine/nearshore planting

Acres of estuarine / nearshore planted	20.0
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Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Clear & Grade Permit	08/01/2012	10/09/2012		G12-0023 and G12-0024
Cultural Assessment [Section 106]		12/09/2008		120808-24-COE-S
Dredge/Fill Permit [Section 10/404 or 404]	05/28/2010	11/16/2010		NWS-2010-00759
Endangered Species Act Compliance [ESA]		01/12/2009		13410-2009-I-0112
Hydraulics Project Approval [HPA]	08/08/2012	09/05/2012		120658-2
SEPA	05/28/2010	06/29/2011		PA 10013
Shoreline Permit	05/28/2010	08/02/2011		PA 10013
Water Quality Certification [Section 4011]	12/24/2008	02/04/2009		PI-09-11

Project Milestones

Milestone Name	Target Date	Description
Project Start	10/16/2009	
Cultural Resources Complete	10/16/2009	Completed in 2008
Applied for Permits	03/01/2010	Federal permits were submitted in 2009
Progress Report Submitted	03/15/2011	
Annual Project Billing	03/15/2011	and at least once per year thereafter
Progress Report Submitted	09/30/2011	
Progress Report Submitted	03/16/2012	
RFP Complete/Consultant Hired	05/30/2012	was 07/01/2011
Annual Project Billing	07/31/2012	
Progress Report Submitted	07/31/2012	
Permits Complete	09/21/2012	
Bid Awarded/Contractor Hired	09/24/2012	
Progress Report Submitted	12/31/2012	
Restoration Started	02/13/2013	USACE portion
Progress Report Submitted	04/30/2013	
Final Design to RCO	07/31/2013	Per Special Condition to Grant Agreement
Progress Report Submitted	09/30/2013	

Progress Report Submitted	12/31/2013	
Progress Report Submitted	03/31/2014	
Annual Project Billing	11/30/2014	
Progress Report Submitted	12/31/2014	
Progress Report Submitted	06/01/2015	
Restoration Complete	10/31/2015	Setback Levee & Breach
Progress Report Submitted	11/13/2015	
Final Design to RCO	12/07/2015	Tulalip As-built designs and Memos on the channels and berms
Progress Report Submitted	03/31/2016	Update on status of remaining corps work items (reconciliation and as-builts)
Progress Report Submitted	06/01/2016	Update on status of remaining corps work items (reconciliation and as-builts)
Progress Report Submitted	09/30/2016	Update on status of remaining corps work items (reconciliation and as-builts)
Stewardship Plan to RCO	12/01/2016	Per SRFB standards.
Final Billing to RCO	12/30/2016	Or as soon as USACOE completes the reconciliation
Final Design to RCO	12/30/2016	USACOE Setback dike
Final Design to RCO	12/30/2016	Tulalip Tribes portions of the project as-builts, with lessons learned report (Social Condition from SRFB Technical Review Panel)
Agreement End Date	12/31/2016	Or sooner if USACOE completes the reconciliation and delivers as-builts
Final Report in PRISM	12/31/2016	In order to reflect the final project costs as USACOE determines

NOTE: This data is subject to change.

Project Attachments

Attachment Type	Attachment Title	Attach Date
Agreement - State	Agreement.pdf	04/01/2010
Amendment - State	09-1277 Amend #14 Time Extension.pdf	12/17/2015
Amendment - State	09-1277 Amend #12 Cost Change.pdf	08/13/2015
Amendment - State	09-1277 Amend #10 Cost Change.pdf	11/03/2014
Amendment - State	09-1277 Amend #11 Time Extension.pdf	09/10/2014
Amendment - State	Action Summary Subcommittee of the SRFB.docx	09/08/2014
Amendment - State	09-1277 Amend #9 Time Extension.pdf	05/13/2014
Amendment request	Forum_Meeting_Summary_02-05-15.docx	07/16/2015
Amendment request	Tulalip Tribes Qwuloolt PSAR 15-17 Request_budgetnarrative.doc	05/08/2015
Amendment request	qwulooltexpitureandbudget_RCO (2).xlsx	05/08/2015
Amendment request	Tulalip Tribes Qwuloolt PSAR 15-17 Request_5 6 15.doc	05/05/2015
Amendment request	Tulalip request_Qwuloolt cost, scope and timeline change 9.2.docx	09/03/2014
Amendment request	Forum Support_Qwuloolt_9.3 final.pdf	09/03/2014
Amendment request	Qwuloolt cost increase request final.doc.docx	09/02/2014
Amendment request	5c - Qwuloolt Request for funds.pdf	06/25/2013
Amendment request	Time extension request.pdf	09/11/2012
Compliance Document	qwuloolteastsideinfrastructure_asbuiltdrawings.pdf	12/20/2016
Correspondence	Tulalip Tribes Qwuloolt PSAR 15-17 Request_budgetnarrativemo.doc	06/29/2015
Correspondence	White House Radar.doc	11/29/2011
Correspondence	Wetzle142460Sched4NOV11.pdf	11/29/2011
Correspondence	Community mtg announcement 093010.pdf	09/21/2010
Correspondence	Budget Explanation.pdf	09/04/2009
Correspondence	Response to Review Panel Comments.pdf	06/12/2009
Correspondence	Pre-App Materials.pdf	03/23/2009
Cost Estimate	QWulooltprojectdetailedbudget_utilitywork.xlsx	06/29/2015
Cost Estimate	qwulooltexpituresummary_jan2014.pdf	01/15/2014
Design document	QWUOLOLT 100% FINAL DRAWINGS.pdf	08/15/2013
Design document	HHAppendixAFinal.pdf	07/18/2013
Design document	AllSpecificationsCombined.pdf	07/18/2013
Design document	Q_SE_Revisions_sketches-July_2013.pdf	07/18/2013
Design document	Qwuloolt_stormpond_75%drawings.pdf	07/18/2013
Design document	Q_planting_draft_Jan2011.pdf	07/18/2013
Design document	QWUOLOLT 100% FINAL.Construction Area.USACE.pdf	11/28/2012
Design document	QWUOLOLT.Final. Setback Levee and Breach.Overview.USACE.pdf	11/28/2012
Design document	Qwuloolt_Final_Channels and Berms.pdf	11/28/2012
Design document	Constr_task_and_schedule.doc	08/17/2010
Design document	35% plans FULL_SET.pdf	08/17/2010
Design document	Qwuloolt Design Plans.pdf	06/12/2009
Design document (as built)	Redlines 2016 01 04.pdf	07/01/2016
Design document (as built)	Channels+Berms.As-BuiltMap.Fall2015.pdf	12/07/2015
Design document (as built)	Channels+BermsAs-BuiltDesignMarkup.Fall2015.pdf	12/07/2015
Design document (as built)	Memo As-Built.Channels+Berms.2015_11_24_Part2.pdf	12/07/2015
Design document (as built)	Memo Q.Channels+Berms_asconstructed_08072015.pdf	12/07/2015
Easement	RCO funded property & potential easement configuration.pdf	07/15/2013
Final project report	Qwuloolt Restoration Project Synopsis - Lessons Learned.docx	12/20/2016

Inspection Report	Inspection Report, #770 (Submitted 07/01/16 08:37:06).pdf	07/01/2016
Landowner acknowledgement form	04-1587-3.jpg	06/16/2009
Map	Qwuloolt_Poster_all_elements.pdf	09/04/2012
Map	Overview Map.pdf	09/21/2010
Map	Project Location Map.pdf	03/23/2009
Milestones	Wetzler142460updated1feb12 (2).pdf	03/13/2012
Milestones	2011 Schedule.xls	02/16/2011
News Article	09-1277 Daily Journal coastal projects.pdf	04/12/2011
News Article	qwuloolt article.doc	02/09/2011
News Article	News Clip 12/29/2009.pdf	02/04/2010
News Article	News Clip 12/26/2009.pdf	02/04/2010
News Article	News Clip 12/23/2009.pdf	02/04/2010
Photo	IMG_1336.jpg	06/28/2016
Photo	duckbillhv3_qwuloolt.jpg	06/28/2016
Photo	stormwaterpond.jpg	06/28/2016
Photo	QwulooltestuaryOct2015.jpg	12/14/2015
Photo	completedleveesouthend.jpg	12/14/2015
Photo	CompletedStormwaterPondtowardsNorth.jpg	12/03/2015
Photo	CompletedStormwaterPondxCross-LeveeVault-Culvert.jpg	12/03/2015
Photo	CatholicProtectionSewerLine_Eastside.jpg	12/03/2015
Photo	CatholicProtection_Ground_Eastside.jpg	12/03/2015
Photo	CatholicProtectionExcavation.jpg	12/03/2015
Photo	QwulBreach.groundlevel.jpg	12/03/2015
Photo	QwulBreach.fromlevee.jpg	12/03/2015
Photo	qwulooltstormwaterpondnearcompletion.jpg	12/03/2015
Photo	qwulooltnewcatchbasinandtrail.jpg	12/03/2015
Photo	qwulooltnewstormwaterswale.jpg	12/03/2015
Photo	qwulooltstormwateroutfall.jpg	12/03/2015
Photo	sewerlinereplacement5.jpg	12/03/2015
Photo	qwulooltleveesouth_station2600.jpg	01/12/2015
Progress report	Progress Report 10/06/2016.pdf	10/06/2016
Progress report	Progress Report 07/01/2016.pdf	07/01/2016
Progress report	Progress Report 12/08/2015.pdf	12/08/2015
Progress report	Progress Report 07/23/2015.pdf	07/23/2015
Progress report	Progress Report 01/16/2015.pdf	01/16/2015
Progress report	qwulooltlevee_northhalfat15.5_11132014.jpg	01/12/2015
Progress report	qwulooltlevee_northendunderconstruction_11122014.jpg	01/12/2015
Progress report	Progress Report 08/28/2014.pdf	08/28/2014
Progress report	Progress Report 04/10/2014.pdf	04/10/2014
Progress report	Progress Report 01/24/2014.pdf	01/24/2014
Progress report	Progress Report 10/24/2013.pdf	10/24/2013
Progress report	Progress Report 05/10/2013.pdf	05/10/2013
Progress report	Qwuloolt.Progress.Meeting.Minutes.5.1.13.pdf	05/08/2013
Progress report	Meeting Qwuloolt Progress Agenda 5.8.13.pdf	05/08/2013
Progress report	Progress Report 12/03/2012.pdf	12/03/2012
Progress report	Progress Report 09/11/2012.pdf	09/11/2012
Progress report	Progress Report 03/13/2012.pdf	03/13/2012
Progress report	Qwuloolt PDT Meeting notes 9FEB12.docx	03/13/2012
Progress report	Qwuloolt PDT Meeting notes 2DEC11.docx	03/13/2012
Progress report	Qwuloolt PDT mtg notes 10Nov11.docx	03/13/2012
Progress report	Progress Report 10/06/2011.pdf	10/06/2011
Project Application Report	09-1277R Qwuloolt Estuary Restoration Construction.pdf	12/29/2015
Project Metric Report	QwulooltMonitoringPlan v4.pdf	09/21/2011
Project partnership form	Corps and Tribe signed Qwuloolt PPA 23NOV11.pdf	11/30/2011
Project partnership form	USACE Partner Contribution.pdf	09/04/2009
Project presentation	Q_internal_draftbid_drawings_11x17.edited 3.pdf	09/04/2012
Project Support / Concern Documents	USACE NWP 27_2013 Conditions.pdf	07/19/2013
Project Support / Concern Documents	USACE NWP 27_2013.pdf	07/19/2013
Project Support / Concern Documents	20121009.Grading Permit Final and Signed.G12-0023.pdf	07/19/2013
Project Support / Concern Documents	Qwuloolt_NOAA-ESA.letter.pdf	07/19/2013
Project Support / Concern Documents	HPA revised_Qwuloolt_2012.pdf	07/18/2013
Project Support / Concern Documents	SEPA.Mitigated Determination of Non-Significance.City of Mar.pdf	07/18/2013
Project Support / Concern Documents	Shoreline Substantial Development Permit.City of Marysville.pdf	07/18/2013
Project Support / Concern Documents	Tulalip_SSTF_Signedcontract_planting.pdf	07/18/2013
Project Support / Concern Documents	Levee and Breach Construction Contract and Specs..pdf	07/18/2013
Project Support / Concern Documents	Schedule as of 1 May.pdf	05/08/2013

Documents		
Project Support / Concern Documents	Setback Levee and Breach.Prelim_Sched_10.30.12.pdf	11/28/2012
Project Support / Concern Documents	USACE Qwuloolt 95 Percent Site Plan.pdf	09/04/2012
Project Support / Concern Documents	Qwuloolt_internal_specs_080612.pdf	09/04/2012
Project Support / Concern Documents	finalgeotechnicalreport_qwuloolt.pdf	09/04/2012
Project Support / Concern Documents	CSSDpermitqwuloolt.pdf	09/21/2011
Salmon Project Proposal	Qwuloolt SRFB Proposal 2009 Revised.pdf	09/04/2009
Scope of work	QwulooltProjectSchedule_7-17-15_working.pdf	07/17/2015
Scope of work	Specs_-_24_JUN_2012[1].pdf	09/04/2012
Scope of work	finalchannelbermconstructionqwulooltbidpackage12.doc	09/04/2012
Visuals	2015 Salmon Conference Presentation.pptx	05/15/2015
Visuals	Groundbreaking Ceremony.pptx	09/06/2013

Date of last change: 02/01/2017