

PROJECT: 20-1935 PLAN, MEADOWDALE BEACH PARK RESTORATION STUDY

Sponsor: Tulalip Tribes Program: ESRP Activities Status: Application Submitted

Parties to the Agreement

PRIMARY SPONSOR

Tulalip Tribes
Address 6406 Marine Dr
City Tulalip **State** WA **Zip** 98271
Org Type Native American Tribe
Vendor # SWV0012216-07

UBI

Date Org created

Org Notes

[link to Organization profile](#)☐ Org data updated

SECONDARY SPONSORS

No records to display

LEAD ENTITY

WRIA 8 LE (King County)

Project Contacts

Contact Name Primary Org	Project Role	Work Phone	Work Email
Todd Zackey Tulalip Tribes	Project Contact	(360) 716-4637	tzackey@tulaliptribes-nsn.gov
Jason Wilkinson WRIA 8 LE (King County)	Lead Entity Contact	(206) 477-4786	jason.wilkinson@kingcounty.gov
Paul Schlenger Environmental Science Assoc	Secondary Sponsor Contact	(206) 601-1405	pschlenger@esassoc.com

Worksites & Properties

- | # | Worksite Name |
|----|------------------------------|
| #1 | Meadowdale Beach County Park |
| #2 | Picnic Point Park |

Worksite Map & Description

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Worksite #1: Meadowdale Beach County Park

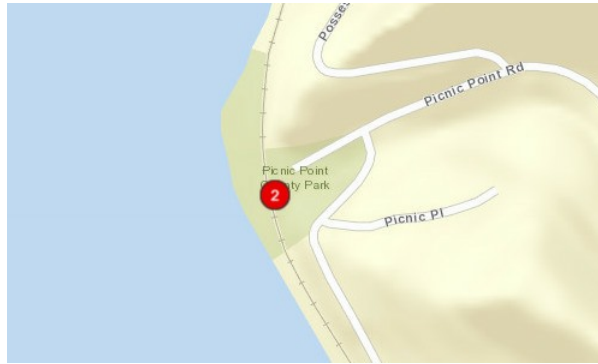
WORKSITE ADDRESS

Street Address 6026 156th St SW
City, State, Zip Edmonds WA 98026

Worksite #2: Picnic Point Park

WORKSITE ADDRESS

Street Address
City, State, Zip



Worksite Details

Worksite #1: Meadowdale Beach County Park

SITE ACCESS DIRECTIONS

From I-5 Take exit 183 for 164th St SW
Turn west onto 164th St SW (signs for Alderwood Mall Pkwy)
Continue onto 44th Ave W
Turn right onto 168th St SW
Turn right to stay on 168th St SW
Turn right onto 66th Ave W
Turn left onto N Meadowdale Rd
Turn right onto 75th Pl W
At the Gate punch in the provided gate code
Drive down the park access road and park in one of the available spaces.

TARGETED ESU SPECIES

Species by ESU	Egg Present	Juvenile Present	Adult Present	Population Trend
Chinook-Puget Sound, Threatened		✓		Declining
Coho-Puget Sound/Strait of Georgia, Species of Concern	✓	✓	✓	Declining

Reference or source used

Beamer, E.M., W.T. Zackey, D. Marks, D. Teel, D. Kuligowski, and R. Henderson. 2013. Juvenile Chinook salmon rearing in small non-natal streams draining into the Whidbey Basin. Skagit River System Cooperative, LaConner, WA. North WRIA 8 Coastal Stream Fish Sampling Report (in Prep)

TARGETED NON-ESU SPECIES

Species by Non-ESU	Notes
Searun Cutthroat	
Forage fish	Not the focus of the study but the Snohomish MRC plans on conducting forage fish egg surveys at the site and we will incorporate their data into our final report. Also we will be conducting beach seines in the marine waters at Picnic Point and Meadowdale Beach park which will provide additional information about forage fish use of the the restored site.

Worksite #2: Picnic Point Park

SITE ACCESS DIRECTIONS

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TARGETED ESU SPECIES

Species by ESU

Egg Present Juvenile Present Adult Present Population Trend

Chinook-Puget Sound, Threatened



Reference or source used

Beamer, E.M., W.T. Zackey, D. Marks, D. Teel, D. Kuligowski, and R. Henderson. 2013. Juvenile Chinook salmon rearing in small non-natal streams draining into the Whidbey Basin. Skagit River System Cooperative, LaConner, WA.

TARGETED NON-ESU SPECIES

Species by Non-ESU

Notes

Searun Cutthroat

Forage fish

We plan on comparing fish sampling between Picnic Point (reference unrestored site) and Meadowdale Beach Park including forage fish.

Project Proposal

Project Description

The Meadowdale Beach Park Restoration Study will be conducted at Snohomish County's Meadowdale Beach Park. The project will evaluate the geomorphic and ecologic responses of the ESRP-funded Meadowdale Beach and Estuary Restoration Project, the first estuary embayment restoration project along the 52 miles of waterfront railroad in the Salish Sea. Improving understanding and metrics of project performance and system responses across several interconnected habitats will inform future design, siting and resilience of restoration investments and provide data on the use of the site by ESA listed Puget Sound juvenile chinook, juvenile coho, cutthroat trout, steelhead, and forage fish.

Project Questions

No questions needed for this project.

Planning Metrics

Worksite: Meadowdale Beach County Park (#1)

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Area Encompassed (acres) (B.0.b.1)	35.0
Miles of Stream and/or Shoreline Affected (B.0.b.2)	0.36

RESTORATION PLANNING AND COORDINATION PROJECT

Evaluation/analysis of restoration plans and projects (B.1.b.9)

Total cost for Evaluation/analysis of restoration plans and projects	\$237,050
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Project Identified in a Plan or Watershed Assessment (B.1.b.9.a)	<p>The Meadowdale Beach Park Restoration Study is not directly identified in the WRIA recover plan. However, the Lake Washington/Cedar/Sammomish Watershed Chinook Salmon Conservation Plan 10-Year Update-outlines a suite of 20 recovery strategies thought to be the most important for achieving the watershed's salmon recovery goals. The the Meadowdale Beach and Estuary Restoration Project directly aligns with several of these recovery strategies including: Reconnect Backshore Areas and Pocket Estuaries, Restore Natural Marine Shorelines, Restore Sediment Processes Necessary for Key Life Stages, Protect and Restore Channel Complexity, and Protect and Restore Functional Riparian Vegetation. The study will provide crucial data to inform new salmon recovery strategy efforts and inform adaptive management of salmon recovery strategies.</p>
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Description of the Plan (B.1.b.9.b)	<p>Current plans are still in development with a Phase 1 completed in 2019, Coastal Streams and Embayments Prioritization along Puget Sound Shores with a Railroad PRIORITIZATION FRAMEWORK TECHNICAL REPORT. The goal of this project was to develop a prioritization framework for evaluating the relative benefit to Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) of restoring conditions of coastal streams and embayments impacted by the presence of the railroad operated by BNSF Railway on or near the shoreline of the Puget Sound. The causeway that supports the railroad is a widespread stressor along the shoreline, with 52 miles having the railroad on the shoreline and an additional 21 miles with the railroad within 200 feet of the shoreline (Figure 1, Simenstad et al. 2011). In many instances, the railroad forms a barrier between the coastal watershed and the shoreline, restricting the movement of fish as well as affecting the ecosystem processes regulating the delivery of water, sediment, wood, and organic matter into the nearshore. This truncates the size of the estuarine habitats that naturally occur in the transitional area between fresh and saltwater. These changes impact the quality and quantity of habitat available for salmon and other animals who rely on the nearshore and estuarine habitats of Puget Sound. The prioritization completed in this study focused primarily on the benefits to Chinook Salmon that are possible by restoring stream and estuary habitats at the railroad crossing.</p>
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Worksite: Picnic Point Park (#2)

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Overall Project Metrics

NEARSHORE

Shoreforms	Beaches Embayments
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COMPLETION DATE

Projected date of completion	07/31/2023
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SPONSOR MATCH: MONETARY FUNDING

Amount of other monetary funding (A.12)	\$59,757
Source of other monetary funding (A.12.a)	Tribal allocation of FY19 EPA Puget Sound National Estuary Program (NEP) grant funds

SPONSOR MATCH: DONATED UN-PAID LABOR (VOLUNTEERS)

Value of Donated Unpaid Labor (Volunteers) (A.13.a.2)	\$0
Source of Donated Un-paid labor contributions (A.13.a.4)	none

SPONSOR MATCH: DONATED PAID LABOR

Value of Donated Paid Labor (A.13.b.1)	\$0
Source of Donated Paid Contributions (A.13.b.2)	none

SPONSOR MATCH: OTHER IN-KIND CONTRIBUTIONS

Value of Other In-Kind Contributions (A.13.c.1)	\$0
Source of Other In-Kind Contributions (A.13.c.3)	none
Description of other In-Kind contributions (A.13.c.2)	none

Metric Match Total \$59,757

Planning Cost Estimates

Worksite #1: Meadowdale Beach County Park

Category	Work Type	Estimated Cost	Note
Restoration Planning And Coordination Project	Evaluation/analysis of restoration plans and projects (B.1.b.9)	\$237,050	
	Subtotal:	\$237,050	
	Total Estimate For Worksite:	\$237,050	

Worksite #2: Picnic Point Park

Category	Work Type	Estimated Cost	Note
Restoration Planning And Coordination Project	Evaluation/analysis of restoration plans and projects (B.1.b.9)	\$17,392	Cost is the total estimated cost for conducting sampling at Picnic Point Creek to collect data as a control compared to the nearby restored embayment and stream at Meadowdale Beach Park.
	Subtotal:	\$17,392	
	Total Estimate For Worksite:	\$17,392	

Summary

Total Estimated Costs:	\$254,442
Total Estimated Planning Costs:	\$254,442

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Cost Summary

	Estimated Cost	Project %	Admin/AA&E %
<u>Planning Costs</u>			
Planning	\$254,442		
SUBTOTAL	\$254,442	100.00 %	
Total Cost Estimate	\$254,442	100.00 %	

Funding Request and Match

FUNDING PROGRAM

ESRP Activities	\$194,685	76.51 %
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SPONSOR MATCH

Category	Amount	Project %
Grant - Federal	\$59,757	
Match Total:	\$59,757	23.49 %
Total Funding Request:	\$254,442	100.00 %

Cultural Resources

Worksite #1: Meadowdale Beach County Park

#1: Are you utilizing Federal Funding to complete the scope of work? This includes funds that are being shown as match or not.

Yes

#1a: Please list the federal agency and funding sources.

EPA Puget Sound National Estuary Program

Worksite #2: Picnic Point Park

#1: Are you utilizing Federal Funding to complete the scope of work? This includes funds that are being shown as match or not.

Yes

#1a: Please list the federal agency and funding sources.

EPA Puget Sound National Estuary Program

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Attachments

Required Attachments

3 out of 3 done

Applicant Resolution/Authorizations



Budget Worksheet



Project and Budget Narrative



PHOTOS (JPG, GIF)

Photos (JPG, GIF)



441591



441601



441602



441603



441604

PROJECT DOCUMENTS AND PHOTOS

Project Documents and Photos

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
	08/04/2020	Application Document	Leonetti CV	ToddZ	LeonettiFrank_CV_2pager.pdf, 441726	✓
	08/04/2020	Project and Budget Narrative	Meadowdale Beach Park Restoration Study ESRP proposal	ToddZ	Meadowdale_Beach_Park_Restoratio... 441725	✓
	08/04/2020	Photo	Lund Gulch Creek mouth 2	ToddZ	160729_04599.jpg, 441605	✓
	08/04/2020	Photo	Lund Gulch Creek mouth	ToddZ	lunds mouth 3.jpg, 441604	✓
	08/04/2020	Map: Site Location	Project Site & Control Site Map	ToddZ	Site_and_control.jpg, 441603	✓
	08/04/2020	Map: Site Location	Location_Map.jpg	ToddZ	Location_Map.jpg, 441602	✓
	08/04/2020	Map: Area of Potential Effect (APE)	MBER_APE_Map.jpg	ToddZ	MBER_APE_Map.jpg, 441601	✓
	08/04/2020	Application Document	Zackey CV.pdf	ToddZ	Zackey CV.pdf, 441595	✓
	08/04/2020	Letters of Support	Support Letter - Tulalip-Meadowdale 7-30-20.pdf	ToddZ	Support Letter - Tulalip-Meadowdale 7-30-20.pdf, 441594	✓
	08/04/2020	Application Document	Scordino Resume - July 2020.pdf	ToddZ	Scordino Resume - July 2020.pdf, 441593	✓
	08/04/2020	Application Document	Schlenger resume.pdf	ToddZ	Schlenger resume.pdf, 441592	✓
	08/04/2020	Map: Site Location	MBER Planned Restoration map	ToddZ	restored Est.jpg, 441591	✓
	08/04/2020	Application Document	Meadowdale Beach Park Restoration Study ESRP Presentation.pdf	ToddZ	Meadowdale Beach Park Restoration Study ESRP Presentation.pdf, 441590	✓
	08/04/2020	Budget Worksheet	MBPRS budget worksheet 2020_Final.xls	ToddZ	MBPRS budget worksheet 2020_Final.xls, 441589	✓
	08/04/2020	Application Document	FINAL_Technical_REPORT_2016-0198.pdf	ToddZ	FINAL_Technical_REPORT_2016-0198.pdf, 441588	✓
	08/04/2020	Application Document	Eric Grossman Cv	ToddZ	EEG_CV20200729.pdf, 441587	✓
	08/04/2020	Application Document	Juvenile Chinook Use of Non-natal streams	ToddZ	EB2752_Beamer-et-al_2013.pdf, 441586	✓
	08/04/2020	Application Document	Elisa Dawson CV	ToddZ	Dawson_Resume 2020.pdf, 441585	✓
	08/04/2020	Application Document	Ian Miller CV	ToddZ	CV_2020_2pager.pdf, 441584	✓
	07/23/2020	Applicant Resolution/Authorizations	PLACEHOLDER FOR APPLICATION AUTHORIZATION RESOLUTION	KayC	PLACEHOLDER FOR APPLICATION AUTHORIZATION RESOLUTION.docx, 439805	✓

Application Status

Application Due Date: 08/04/2020

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Status Name	Status Date	Submitted By	Submission Notes
Application Submitted	08/04/2020	Todd Zackey	
Preapplication	07/21/2020		

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. (Todd Zackey, 08/04/2020)

Date of last change: 08/04/2020