

PROJECT: 18-1259 DEV,REST, MEADOWDALE BEACH PARK & ESTUARY RESTORATIONSponsor: Snohomish County Parks Dept Program: Aquatic Lands Enhancement Acct Status: Active
Project Start Date: 07/01/2019 Agreement End Date: 06/30/2023

Progress Report Status: Accepted 01/04/2022

Report Period

From 07/01/2021 To 12/31/2021

Questions

#1: Are there any significant challenges that might hinder progress or keep you from meeting your project milestones? If so, please tell us about them.

No

#2: Describe the work accomplished during this reporting period.

Pre-construction meeting was held with BNSF on July 7 with tentative schedule for pile driving and bridge installation to be completed by 3rd week of September 2021. Senator Maria Cantwell visited the site July 9th with local government representatives, RCO, MRC, WRIA8 staff and Tulalip Tribe Representative present. Feedback about the site visit from the Senator's staff was all positive. The trail north of the stream that terminates at edge of estuary with an overlook was graded and widened with rockery installed. Twenty-one (21) pieces of LWD was installed within stream reach east of estuary footprint. Following placement of LWD in stream reach, the pump bypass was pulled and gravity bypass installed. The permanent and temporary construction easements from BNSF to Snohomish County were executed August 6th, 2021. The County was notified by BNSF in August that fires in CA had damaged BNSF infrastructure requiring diversion of BNSF resources (staff and equipment) resulting in pushing BNSF construction activity into 2022. A reversal of construction sequence was then proposed by site contractor i.e., to go ahead and excavate estuary landward of the embankment (BNSF r/w) prior to bridge opening being in place. This proposal was fleshed out with consultants and permit agencies and required temporary armor along BNSF RW adjacent to estuary excavation. Additional delays for commencing removal of fill under this revised sequencing occurred due to access road reinforcement schedule. The access road had to be reinforced prior to hauling out materials. A Memorandum of Understanding between City of Edmonds and Snohomish County to address potential road damage was executed in August with the Haul permit subsequently issued by Edmonds. Approximately 10,000 cyds of fill was removed within the estuary footprint east of BNSF r/w resulting in 85% of the north lobe of the estuary and riparian area completed to finish grade and approximately 50% of the south lobe excavated. Log edging separating estuary area from riparian area installed within north lobe. Substrates including beach sand, Type 1 and Type 2 topsoil was placed per plans within excavated areas with jute and coir fabric placed per plans. Seventeen (17) LWD were placed within the estuary. The starter channel composed of streambed cobbles was installed from BNSF r/w to east edge of estuary. Nine of twelve snags were installed within riparian area abutting estuary. Contamination of subsurface soils and groundwater were observed within the south lobe. The first site included heavy oil-range hydrocarbon and PAH-impacted soils which were removed and disposed offsite at an approved facility. The second site which included groundwater and soils appears to be from creosote treated timbers which appeared to be present underneath the buried concrete pool slab. Due to adverse weather conditions the second site had to be closed back up by backfilling the areas where contamination was present. All impacted groundwater and soils from that area were also removed and disposed off-site at approved facilities. An Environmental consultant oversaw excavation within the estuary in areas of suspected or known debris and contamination. An archaeologist was on-site for all excavation activities. BNSF delivered piles and staged them within BNSF r/w in September. The abutment areas for the pedestrian bridge were partially excavated but weather and concerns of compaction stopped that work until 2022. The site was temporarily stabilized with esc bmp's for fall/winter/spring. Public beach access through the existing culvert without grating temporarily restored on 11/8/21; and will remain open until pile driving operations and/or flooding conditions causing trespass issues or site contractor spring startup.

#3: Do you anticipate you will need to request a modification to your project agreement in the next six months (time extension, cost change, scope change, etc.)? If yes, please explain:

No

Progress Report, Project 18-1259

#4: Tell us about work planned for the next reporting period.

BNSF currently scheduled to drive piles in Feb/March 2022. Beach access will be temporarily closed during pile driving due to safety issues. Temporary public beach access will be restored until the site contractor commences work in spring (no date certain). Spring startup will focus on establishing temporary railroad crossing with temporary berms constructed on both sides of the embankment in order to facilitate beach grading and shoring installation for railroad work. Some amount of grading upland of OHWM may occur within this reporting period. Grading waterward of OHWM will not commence until fresh water fish window start date of July 1 followed by marine fish window start date of July 15 (post next reporting period ending 6/30/21). Upland work including pedestrian bridge installation, utilities and restroom enclosure may commence in spring and early summer weather depending.

Metrics Setup

Development/Restoration Activities During Period

Yes **We have measurable Development/Restoration progress to report for the selected period.**

✓ Worksite #1: Meadowdale Beach Park

Development/Restoration Metrics

	Current Agreement	Progress To Date (from project start)
Worksite: Meadowdale Beach Park (#1)		
Miles of Stream and/or Shoreline Treated or Protected (C.0.b)	0.17 Note: Includes the area treated using SRFB funding (0.06 miles) and the stream reach treated upstream of the estuary to the existing pedestrian bridge for salmon habitat. The total length of the stream from existing OHWM to work within the estuary may include existing pedestrian bridge, plus connection to the small pond within the larger project is 0.17 miles which includes the 0.06 miles within the estuary. There will be large woody debris placement and riparian enhancement within this entire reach.	0.11 Note: The starter channel was installed to BNSF r/w which accounts for .16 miles including reach upstream of estuary. Am indicating .11 to account for the idea that some of the previous construction (excavating estuary landward of embankment prior to opening under bridge present to allow estuary to function as intended). LWD has been placed within entire reach per plan with exception of 13 pieces within within BNSF r/w.
Estuarine / Nearshore Project		
Total Amount Of Estuarine / Nearshore Acres Treated (C.9.b)	1.3	0.7 Note: Actual number closer to .9 but some of the work may require rework due to stream and sediment issues related to the stream and estuary continuing to be confined to 6-foot wide culvert.
Culvert modification / removal (C.9.f.1)		
Number of Culverts Modified/Removed To Allow Fish Passage (C.9.f.2)	1	
Acres Opened To Fish Passage through culvert modification/removal (C.9.f.3)	6.3 Note: This area is based on a 27.2 ft bank-full width multiplied by the length of the stream downstream of passage barriers (1.9 miles).	
Estuarine planting or native plant establishment (C.9.r.1)		

Progress Report, Project 18-1259

Acres of Estuarine planting or native plant establishment (C.9.r.3)	0.8	
Note: This planted area includes areas above sand placement and starter-channel cobble placement.		

Removal of existing fill material (C.9.g.1)

Acres of Estuary Treated through fill material removal (C.9.g.2)	1.3	0.7
Note: Actual number closer to .9 but some of the work may require rework due to stream and sediment issues related to the stream and estuary continuing to be confined to 6-foot wide culvert.		

Instream Habitat Project

Total Miles Of Instream Habitat Treated (C.4.b)	0.17	0.11
Note: Includes stream reach upstream of estuary where enhancement will be achieved with funds outside of SRFB.		
Note: The starter channel was installed to BNSF r/w which accounts for .16 miles including reach upstream of estuary. Am indicating .11 to account for the idea that some of the previous work within the estuary may require repair or replacement due to reversing sequence of construction (excavating estuary landward of embankment prior to opening under bridge present to allow estuary to function as intended). LWD has been placed within entire reach per plan with exception of 13 pieces within within BNSF r/w..		

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

Miles of Stream Treated for channel structure placement (C.4.d.3)	0.17	0.11
Note: The starter channel was installed to BNSF r/w which accounts for .16 miles including reach upstream of estuary. Am indicating .11 to account for the idea that some of the previous work within the estuary may require repair or replacement due to reversing sequence of construction (excavating estuary landward of embankment prior to opening under bridge present to allow estuary to function as intended). LWD has been placed within entire reach per plan with exception of 13 pieces within within BNSF r/w.		
Pools Created through channel structure placement (C.4.d.5)	0	
Number of structures placed in channel (C.4.d.7)	53	38
Note: Includes 12 of the largest woody debris pieces (salvaged on-site) placed within the pocket estuary, with an additional 15 pieces placed near the bridge abutments; 22 medium-size pieces would be located within the existing stream channel, and 4 within the restored pond that will be reconnected to the stream.		

Riparian Habitat Project

Progress Report, Project 18-1259

Total Riparian Miles Streambank Treated (C.5.b.1)	0.20
Note: includes stream reach from OHWM to existing pedestrian bridge as well as riparian fringe around estuary.	
Total Riparian Acres Treated (C.5.b.2)	1.7
Planting (C.5.c.1)	
Acres Planted in riparian (C.5.c.3)	1.7
Miles of streambank planted (C.5.c.4)	0.17

Progress Report, Project 18-1259

Milestones

Milestone	Target Date	Completed	Delayed	New Target Date	Progress/Reason for Delay
50% Construction Complete	07/30/2021	<input type="checkbox"/>	<input checked="" type="checkbox"/>	07/30/2021	Piling & Bridge installation postponed to 2022 due to summer 2021 fire impacts to BNSF infrastructure in CA. This delay shifted work that was proposed in 2021 fish window (i.e. beach excavation and excavation of embankment and culvert) to 2022 fish window
RCO Interim Inspection	03/30/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Annual Project Billing Due	06/30/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Progress Report Due	06/30/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Other	07/30/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Construction site visit with ESRP + SRFB grant manager					
90% Construction Complete	09/30/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Restoration Complete	11/01/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Funding Acknowl Sign Posted	11/30/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Stewardship Plan to RCO	11/30/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Annual Project Billing Due	12/31/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Progress Report Due	12/31/2022	<input type="checkbox"/>	<input type="checkbox"/>		
Special Conditions Met	01/31/2023	<input type="checkbox"/>	<input type="checkbox"/>		
Confirm at least \$295,472 of match is non-state non-federal sources					
RCO Final Inspection	04/30/2023	<input type="checkbox"/>	<input type="checkbox"/>		
Final Report Due	04/30/2023	<input type="checkbox"/>	<input type="checkbox"/>		
Final Design to RCO	04/30/2023	<input type="checkbox"/>	<input type="checkbox"/>		
As Builts					
Agreement End Date	06/30/2023	<input type="checkbox"/>	<input type="checkbox"/>		
	Need amendment to change				
Final Billing Due	06/30/2023	<input type="checkbox"/>	<input type="checkbox"/>		

Special Conditions

A. Matching Funds

- 1) This Meadowdale Beach Park Estuary Restoration Project Agreement merges multiple grants. (See the January 2021 Updated Match Worksheet for details.)
 - a) Washington Department of Fish and Wildlife awarded **\$1,000,000 of Estuary and Salmon Restoration Program (ESRP)** funds to the *Meadowdale Beach Park & Estuary Restoration Project - ESRP* (18-1587). The minimum match required for this ESRP grant is \$428,572 (30% of the ESRP + Match cost) which is fulfilled by the ALEA funding.
 - b) Lake Washington/Cedar/Sammamish Watershed and **SRFB awarded a total of \$800,000** (\$191,711 of SRFB + \$608,289 of PSAR) to this *Meadowdale Beach Park & Estuary Restoration Project* (18-1259) with a match commitment of \$158,176 which can be fulfilled by the \$71,428 balance of ALEA funding plus \$65,319 of the WWRP Water Access grant, and \$21,429 of Snohomish County funds.
 - c) The Recreation and Conservation Funding Board awarded **\$604,078 of Washington Wildlife and Recreation Program's (WWRP) Water Access** Category funds to *Meadowdale Beach Park Access Development* (18-1507). This funding requires at least \$604,078 in matching funds, which is fulfilled by \$483,262 of the SRFB grant and \$120,816 of Snohomish County funds.
 - d) The Recreation and Conservation Funding Board awarded **\$500,000 of Aquatic Land Enhancement Account (ALEA)** funds to *Meadowdale Beach Park & Estuary Restoration* (18-1504). The project application included a total of \$2,389,394 in match from a pending ESRP grant, a pending Salmon grant (18-1259), and Snohomish County Cash/Appropriation. ALEA matching requirements are fulfilled by \$316,738 of SRFB, plus the \$1M ESRP grant, plus \$538,759 of the WWRP Water Access funding which reduces the required Snohomish County funding to \$533,897.
- 2) ALEA and WWRP-WA require local match sourced from non-state non-federal funds be at least 10% of the total Project Agreement budget. Total Sponsor Match is \$704,713 which is 20% of the total project agreement amount, exceeding the 10% local match requirement.

B. Eligible Scope Activities by Funding Source

- 1) The **Salmon State, PSAR, and ESRP** funds are for the *Restoration for rearing juvenile Chinook and other salmonids* project elements as outlined in the State Agreement Description, which includes relocating recreational infrastructure out of the restoration area. This funding is also eligible to be used for a portion of the BNSF Railroad bridge construction, if needed. However, county funds and a Federal Highways Administration grant are expected to be sufficient to afford RR bridge construction, and therefore, it is expected that the RR bridge element will be amended out of the scope once the project is complete.
- 2) The **ALEA** funding is eligible for restoration costs and park improvements.
- 3) While habitat restoration elements are eligible for reimbursement with **WWRP-Water Access**, this funding will be used to construct the public access improvements.

Permits

Permits and Reviews	Issuing Organization	Applied Date	Received Date	Expiration Date	Permit #
---------------------	----------------------	--------------	---------------	-----------------	----------

Progress Report, Project 18-1259

Permits and Reviews	Issuing Organization	Applied Date	Received Date	Expiration Date	Permit #
Archeological & Cultural Resoures (EO 05-05)	DAHP	03/15/2018	10/08/2018		NWS-2018-260
Clear & Grade Permit	City/County	03/12/2020	10/29/2020	10/29/2023	19-103913LDA
Clear & Grade Permit	City/County	Note: Snohomish County - waiting on final 100% submittal to County.			
Cultural Assessment [Section 106]	DAHP	03/15/2018	10/05/2020		NWS-2018-260-WRD
Dredge/Fill Permit [Section 10/404 or 404]	Army Corps of Eng.	03/15/2018	06/06/2019	03/18/2022	NWS-2018-260-WRD
Endangered Species Act Compliance [ESA]	US Fish & Wildlife	03/15/2018	02/28/2019		
Hydraulics Project Approval [HPA]	Dept of Fish & Wildlife	06/22/2018	08/12/2020	08/10/2025	15217
Nationwide Permit	Army Corps of Eng.	03/15/2018	06/06/2019		NWS-2018-260-WRD
NEPA	Federal Agencies	01/22/2020	03/02/2020		
SEPA	Local or State	04/01/2019	05/29/2019		
Water Quality Certification [Section 401]	County/Dept of Ecy.	03/15/2018	06/06/2019		
Shoreline Permit	City/County	07/06/2018	06/14/2019	06/14/2024	18-120542
Shoreline Permit	City/County	Note: Substantial Development - County -			
Shoreline Permit	City/County	07/06/2018	06/14/2019	06/14/2024	18-120547
Other Required Permits		Note: Conditional Use - Issuance pending Land Disturbing Activity Permit Approval.			
Other Required Permits		Note: Right of Way Use Permit - City; Contractor has applied but not issued yet.			
Other Required Permits		Note: Coastal Zone Management Act consistency Determination - Ecology			
Other Required Permits		Note: Right of Way Use Permit -County; not needed			
Other Required Permits		07/06/2018	11/30/2020	05/30/2022	18-120538FHZ
Other Required Permits		Note: Flood Hazard Permit - County: Issuance pending approval of County Land Disturbing Activity permit			
Other Required Permits		05/04/2020	04/28/2021		
Other Required Permits		Note: Railroad Safety Crossing Certification - Washington UTC; submitted to BNSF May 2020 for their approval prior to submittal to UTC; Order issued. No expiration date.			
Other Required Permits		05/12/2020	06/14/2021		BF10014348
Other Required Permits		Note: BNSF Agreement - Executed 6/14/21; no expiration date			
Other Required Permits		08/04/2020			WAR309807
Other Required Permits		Note: Washington Dept. of Ecology Construction Stormwater Permit - Issued February 16, 2021			
Other Required Permits		06/14/2021	09/02/2021	08/28/2022	
		Note: City of Edmonds Haul Permit			

Permit Questions

#1: Any additional mitigation requirements? If so, please describe.

No

#2: Are there any additional permits required? If so, please describe.

Yes

Temporary Crossing Agreement with Railroad (Contractor). Application submitted in July 2021 and still under review with BNSF.

Progress Report, Project 18-1259

#3: Did you use the federal permit streamlining process (Limit 8)? If yes, please attach your Limit 8 Self Certification Form.

No

#4: Tell us about your progress with securing your permits or ESA consultation.

All Owner required permits were issued prior to NTP. Contractor required to obtain Edmonds Haul Permit (done), BNSF crossing permit (in process); building permits for ped bridge and landslide hazard wall, electrical permits, monitoring well decommissioning certification and septic tank removal permit.

Attachments

PHOTOS (JPG, GIF)

Photos (JPG, GIF)



494813



494814



494815



494816














494817

PROJECT DOCUMENTS AND PHOTOS

Project Documents and Photos

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
	12/29/2021	Photo	Tanks for Contaminated Groundwater.JPG	LoganD	Tanks for Contaminated Groundwater.jpg, 494838 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Streambank Armor Removed.JPG	LoganD	Streambank Armor Removed.jpg, 494837 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Stockpiled ESC Materials.JPG	LoganD	Stockpiled ESC Materials.jpg, 494836 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Stockpile of Removed Fill (Estuary).JPG	LoganD	Stockpile of Removed Fill (Estuary).jpg, 494835 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Starter Channel_Temp Armor along BNSF RW.JPG	LoganD	Starter Channel_Temp Armor along BNSF RW.jpg, 494834 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Starter Channel LWD (Looking West).JPG	LoganD	Starter Channel LWD (Looking West).jpg, 494833 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Starter Channel Looking West towards Culvert.jpg	LoganD	Starter Channel Looking West towards Culvert.jpg, 494832 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	South Lobe of Estuary With Substrates and Fabric.JPG	LoganD	South Lobe of Estuary With Substrates and Fabric.jpg, 494831 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	South Lobe of Estuary with LWD Substrates Fabric Temp Armor.	LoganD	South Lobe of Estuary with LWD Substrates Fabric Temp Armor.jpg, 494830 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Snag Installation North Side of Estuary.JPG	LoganD	Snag Installation North Side of Estuary.jpg, 494829 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Pool Debris.JPG	LoganD	Pool Debris.jpg, 494828 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	North Riparian Area_Fabric_Snags_Log Edging.jpg	LoganD	North Riparian Area_Fabric_Snags_Log Edging.jpg, 494827 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	LWD Placement.JPG	LoganD	LWD Placement.jpg, 494826 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Installation of Snag.JPEG	LoganD	Installation of Snag.jpeg, 494825 Progress Report, 01/04/2022, Accepted	✓

Progress Report, Project 18-1259

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Share
	12/29/2021	Photo	Gravity Bypass.JPG	LoganD	Gravity Bypass.jpg, 494824 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Gravity Bypass through Culvert.JPG	LoganD	Gravity Bypass through Culvert.jpg, 494823 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Excavated South Lobe of Estuary.JPG	LoganD	Excavated South Lobe of Estuary.jpg, 494822 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Excavated South Lobe of Estuary (Looking South).JPG	LoganD	Excavated South Lobe of Estuary (Looking South).jpg, 494821 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Excavated Debris within Estuary.JPG	LoganD	Excavated Debris within Estuary.jpg, 494820 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Demolition Debris.JPG	LoganD	Demolition Debris.jpg, 494818 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Contamination Monitoring.JPG	LoganD	Contamination Monitoring.jpg, 494817 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Contaminated Soils Stockpiled.JPG	LoganD	Contaminated Soils Stockpiled.jpg, 494816 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Cleared Estuary Area Prior to Excavation.JPG	LoganD	Cleared Estuary Area Prior to Excavation.jpg, 494815 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Bypassed Stream with Painted LWD Locations.JPG	LoganD	Bypassed Stream with Painted LWD Locations.jpg, 494814 Progress Report, 01/04/2022, Accepted	✓
	12/29/2021	Photo	Armor and Debris Removed.JPG	LoganD	Armor and Debris Removed.jpg, 494813 Progress Report, 01/04/2022, Accepted	✓

Certify & Submit

Status History

Report Status	Date	User	Note
Accepted	01/04/2022	Elizabeth Butler	Thank you Logan, Great to see the progress made, despite the challenges with BNRR. Well done! Let's coordinate on the billing, so we can be sure that the contamination issues are not included in match or a reimbursement request. Per SRFB Manual 18: "Environmental cleanup of soils or materials above levels in the Model Toxics Control Act are not eligible expenses." If these contaminated soils were within the estuary area originally designed for excavation, the excavation costs attributable to the estuary restoration project would be eligible, but not the disposal fees. Let me know if you have any questions, or want to problem solve how to structure the reimbursement for the eligible expenses. Looking forward to getting out to see the site. Wonder if we might try to schedule something for when the bridge will be placed? It will be a busy spring of SRFB applications -- but I'll do my best to allow for last minute scheduling if that would be useful. Appreciate the update! Elizabeth
Submitted	12/29/2021	Logan Daniels	
Draft	12/29/2021	Logan Daniels	