

Final Report

Project #12-1260, Ala Spit Restoration Phase 3

Submitted by Lori Clark on 07/28/2014

Accepted by Mike Ramsey on 10/13/2014

CONTACTS

Primary Sponsor: Island County Health Dept

Lead Entity: Island County LE

Managing Agency: Rec. and Conserv. Office

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RCO Grant Manager: Mike Ramsey
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DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 12/06/2012

FundingEnd Date: 06/30/2014

RCO Closure Date:

Ala Spit County Park lies on the northeastern shore of Whidbey Island and consists of an 8-acre sand and gravel spit, 4 acres of uplands, and 5,000 linear feet of beach and tidelands in Skagit Bay. Ala Spit is located in the highest ranked geographic area (area 1) in accordance with the WRIA 6 Salmon Recovery Plan. The site is within 3 miles of Skagit River estuary. The Skagit Chinook Recover Plan also identifies this area as a priority for early rearing of wild fry migrant Chinook salmon originating from the Skagit River (Beamer 2007, SRSC & WDFW 2005). The Spit and associated pocket estuary were formed and are maintained by accreted sediments transported alongshore mostly from a southern feeder bluff. The pocket estuary includes a lagoon, estuarine saltmarsh, and mudflat habitats. Development at the site is limited to a parking area, access driveway, and bulkhead. Public use at the site includes clam digging, fishing, crabbing, bird watching, dog walking, beach combing and picnicking.

This project funded a feasibility study to evaluate removal options for the rock groin and final bulkhead sections (435 feet) and parking lot restructuring alternatives and complete a preliminary design for the preferred option. Removal of the rock groin will completely restore the littoral transport to the Ala Spit drift cell, add to the aesthetic value of the park as a natural place, as well as potentially restore forage fish spawning habitat over the footprint of the groin (approximately 10,000 square feet).

SITE LOCATION

General Area of Project: Northern Whidbey Island, Ala Spit

Waterbodies:

Cong District 2012: 02
County: Island
HUC: KITSAP
Leg District 2012: 10
Salmon Recov Reg 05: Puget Sound
Section:
Township/Range:
WAU: WHIDBEY IS
WRIA: Island



Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

PROJECT NARRATIVE

Coastal Geologic Services, Inc.(CGS) prepared preliminary design alternatives for full rock groin removal, partial rock groin removal, bulkhead removal and parking lot relocation alternatives. The Island County Parks Department agreed to the CGS preferred alternative: rock groin modification, full bulkhead removal, parking lot modification, relocation of kayak camp, and additional beach nourishment. The conceptual design for the preferred alternative is included in the final Feasibility Assessment.

AMENDMENTS

#	Type	Applied Date	Description
1	Cost Change	04/16/2014	This project received 2013-2015 Puget Sound Acquisition and Restoration (PSAR) - Project Implementation and Development Award funds administered by the Recreation and Conservation Office for the Puget Sound Partnership in the amount of \$40,000, and the Island County Lead Entity has approved adding \$10,000 from their 2013-2015 PSAR funds towards this project. Both of these amounts have been added to the original PSAR funded amount of \$28,350, which now totals \$78,350. The scope of work is increased to include completing the final design for the preferred option, bid documents, scheduling and permitting.

OVERALL PROJECT COSTS

Funding Formula:		Requested		Original		Final		
Salmon Federal Projects:		\$0.00	(0%)	\$28,350.00	(100%)	\$27,963.88	(100%)	
Salmon State Projects:		\$47,000.00	(100%)	\$0.00	(0%)	\$0.00	(0%)	
Total:		\$47,000.00	(100%)	\$28,350.00	(100%)	\$27,963.88	(100%)	
Paid To Date:		\$27,963.88		Last Released Billing: 10/20/2014				
Remaining RCO Funds:		\$0.00		Pending Billing: No				
Advance Balance:		\$0.00		Match Bank:	\$0.00	Number of Billings: 2		
Admin Limit:		\$0.00		Admin Spent:	\$0.00			
A&E Limit:		\$0.00		A&E Spent:	\$0.00			
Billed Cost Summary:		Original Agreement		Expended		Non-Reimbursable		Total Billed
Non-Capital								
Non-Capital Costs				\$27,963.88				\$27,963.88
Equipment								
Non-Capital Total		\$78,350.00		\$27,963.88				\$27,963.88
Total		\$78,350.00		\$27,963.88				\$27,963.88

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds:	\$27,963.88	\$27,963.88 27,963.88
State Funds:	\$0.00	
Other Federal Funding:		
Pending Billing - RCO Share Approved:		
Retainage - RCO amount retained:		\$0.00
Amount of other monetary funding:	\$0.00	\$0.00
	\$27,716	
Project identifier for the other monetary funding:	ICPH will apply for additional grant funding to to suppliment SRFB funding if need to complete the feasibility study.	No additional funds were needed to complete the feasibility study.
Source of other monetary funding:	N/A <i>Island County Public Health, Island County Department of Natural Resources</i>	N/A
Value of Donated Unpaid Labor (Volunteers):	\$0.00	\$0.00
Source of Donated Un-paid labor contributions:	N/A	N/A
Number of hours volunteers contributed to the project:		0
Describe how the value of the volunteers was determined:		0
Value of Donated Paid Labor:	\$0.00	\$0.00 0
Source of Donated Paid Contributions:	N/A	N/A N/A
Value of Other In-Kind Contributions:	\$0.00	\$0.00 0
Source of Other In-Kind Contributions:	N/A	N/A N/A
Description of other In-Kind contributions:	N/A	N/A N/A

PROJECT METRICS		
	Original Agreement	Final
Completion Date		
Projected date of completion:	06/30/2014	12/31/2013
Project Goals		
Goals, purpose, and expected benefits:	The goal of this project is to complete a feasibility study evaluating options for the rock groin and final bulkhead section (435 feet) removal, and complete a preliminary design for the preferred option.	Removal of the rock groin will completely restore the littoral transport to the Ala Spit drift cell, restoring forage fish spawning habitat over the footprint of the groin (approximately 10,000 square feet).

WORKSITE #1: Ala Spit

Worksite Description: The concrete bulkhead at Ala Spit extends north from the rock groin, for a total of approximately 435 feet. It was installed in the 1960's as a part of a planned development which never occurred. The bulkhead was 7 feet tall and had fill placed behind it to provide a level surface for parking. Today the bulkhead is approximately 4 feet tall, as sediment has accumulated in front of this structure (caused by the rock groin). Removing the park bulkhead would reconnect the beach in front of the seawall to the backshore behind it and possibly reengage the small wetland east of the existing parking lot. This would expand and improve forage fish habitat over the length of the current bulkhead footprint.

Phase 3 Restoration proposal is to remove Sections A and B which total 275 feet. Bulkhead removal for sections A&B has two main objectives: 1) restore approximately 0.2 acres of nearshore beach area (suitable for forage fish spawning, cover and refuge and for salmon foraging) as well as habitats associated with back beach areas more resembling of predevelopment geomorphic conditions and 2) improve public access to the beach, which currently involves traversing a 4-foot-tall bulkhead.

Driving Directions: From Coupeville, WA (Island County seat):

- North on WA Highway 20
- Right (east) on Frostad Road
- Left (north) on Dike Road
- Right (east) on Jones Road
- Right into Ala Spit County Park

Coordinates for Worksite Directions - Latitude: 48.39 **Longitude:** -122.59

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

WORKSITE #1 COSTS

Worksite Billed Cost:	Estimated	Expended	Non-Reimbursable	Total Billed
Equipment				
Non-Capital Costs	\$47,000.00	\$27,963.88		\$27,963.88
Worksite Total	\$47,000.00	\$27,963.88		\$27,963.88

Worksite Costs by Category:	Original Agreement	Final
Design for Salmon restoration Funding:	\$10,000.00	\$10,000.00
Planning/Coordination funding:	\$18,350.00	\$17,964.00

WORKSITE #1 METRICS

	Original Agreement	Final
Targeted salmonid ESU/DPS:	Chinook Salmon-Puget Sound ESU, Chum Salmon-Puget Sound/Strait of Georgia ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Pink Salmon-unidentified ESU	Chinook Salmon-Puget Sound ESU, Chum Salmon-Puget Sound/Strait of Georgia ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Pink Salmon-unidentified ESU
Targeted species (non-ESU species):	Bull Trout, Cutthroat, Searun Cutthroat	Bull Trout, Cutthroat, Searun Cutthroat
Area Encompassed (acres):	0.3	0.3
Miles of Stream Affected:	0.08	0.08

Design for Salmon restoration

Final design and permitting

Name of the Plan:	Ala Spit County Park Bulkhead Removal Feasibility Report	Coastal Geologic Services, Inc., October 18, 2013, Ala Spit Groin and Bulkhead Removal Feasibility-Final,
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Description of the Plan:	<p>The concrete bulkhead at Ala Spit extends north from the rock groin, for a total of approximately 435 feet. It was installed in the 1960's as a part of a planned development which never occurred. The bulkhead was 7 feet tall and had fill placed behind it to provide a level surface for parking. Today the bulkhead is approximately 4 feet tall, as sediment has accumulated in front of this structure (caused by the rock groin). Removing the park bulkhead would reconnect the beach in front of the seawall to the backshore behind it and possibly reengage the small wetland east of the existing parking lot. This would expand and improve forage fish habitat over the length of the current bulkhead footprint.</p>	<p>The concrete bulkhead at Ala Spit extends north from the rock groin, for a total of approximately 435 feet. It was installed in the 1960's as a part of a planned development which never occurred. The bulkhead was 7 feet tall and had fill placed behind it to provide a level surface for parking. Today the bulkhead is approximately 4 feet tall, as sediment has accumulated in front of this structure (caused by the rock groin). Removing the park bulkhead would reconnect the beach in front of the seawall to the backshore behind it and possibly reengage the small wetland east of the existing parking lot. This would expand and improve forage fish habitat over the length of the current bulkhead footprint.</p>
Preliminary design		
Total cost for Preliminary design:	\$10,000.00	
Name of the Plan:	Ala Spit County Park Bulkhead Removal Feasibility Report	Coastal Geologic Services, Inc., October 18, 2013, Ala Spit Groin and Bulkhead Removal Feasibility-Final,
Description of the Plan:	<p>The concrete bulkhead at Ala Spit extends north from the rock groin, for a total of approximately 435 feet. It was installed in the 1960's as a part of a planned development which never occurred. The bulkhead was 7 feet tall and had fill placed behind it to provide a level surface for parking. Today the bulkhead is approximately 4 feet tall, as sediment has accumulated in front of this structure (caused by the rock groin). Removing the park bulkhead would reconnect the beach in front of the seawall to the backshore behind it and possibly reengage the small wetland east of the existing parking lot. This would expand and improve forage fish habitat over the length of the current bulkhead footprint.</p>	<p>The concrete bulkhead at Ala Spit extends north from the rock groin, for a total of approximately 435 feet. It was installed in the 1960's as a part of a planned development which never occurred. The bulkhead was 7 feet tall and had fill placed behind it to provide a level surface for parking. Today the bulkhead is approximately 4 feet tall, as sediment has accumulated in front of this structure (caused by the rock groin). Removing the park bulkhead would reconnect the beach in front of the seawall to the backshore behind it and possibly reengage the small wetland east of the existing parking lot. This would expand and improve forage fish habitat over the length of the current bulkhead footprint.</p>

Restoration Planning And Coordination Project

Conducting habitat restoration scoping and feasibility studies

Description of the Plan:

A large rock (2-foot+ diameter) rock groin was placed approximately 500 feet south of the neck of Ala Spit in 1960 to encourage shoreline accretion for a planned, but never constructed, shoreline development project. Currently, the groin extends down to 1 foot NAVD88, which is above the base of the foreshore. The rock groin was evaluated in the 2005 Feasibility Study. Removal of the rock groin would completely restore the littoral transport to the Ala Spit drift cell, as well as add to the aesthetic value of the part as a natural place. The benefit of removing the groin would be both aesthetic and recovery of forage fish spawning habitat over the footprint of the groin (approximately 10,000 square feet). Removing the final bulkhead sections (435 feet) will reconnect the beach in front of the seawall to the backshore behind it and possibly reengage the small wetland east of the existing parking lot.

A large rock (2-foot+ diameter) rock groin was placed approximately 500 feet south of the neck of Ala Spit in 1960 to encourage shoreline accretion for a planned, but never constructed, shoreline development project. Currently, the groin extends down to 1 foot NAVD88, which is above the base of the foreshore. The rock groin was evaluated in the 2005 Feasibility Study. Removal of the rock groin would completely restore the littoral transport to the Ala Spit drift cell, as well as add to the aesthetic value of the part as a natural place. The benefit of removing the groin would be both aesthetic and recovery of forage fish spawning habitat over the footprint of the groin (approximately 10,000 square feet). Removing the final bulkhead sections (435 feet) will reconnect the beach in front of the seawall to the backshore behind it and possibly reengage the small wetland east of the existing parking lot.

A mini-feasibility study will be conducted to evaluate options for the rock groin removal and final bulkhead section removal (160 feet). The rock groin's proximity to a home located on adjacent bluff and the existing Kayak Park location have made this phase of restoration more complex. Restoration alternatives and risks associated with each must be carefully considered prior to proposing restoration to this area. Removing the rock groin and final bulkhead section will be the final phase and complete restoration at Ala Spit County Park.

This phase of work included an additional feasibility study to evaluate options for the rock groin removal and final bulkhead section removal (160 feet).

Name of the Plan:

N/A

Coastal Geologic Services, Inc.,
October 18, 2013, Ala Spit Groin
and Bulkhead Removal
Feasibility-Final,

Total cost for Conducting habitat restoration scoping and feasibility studies:

\$18,350.00

PROPERTY DESCRIPTION (Ala Spit Park)

Activity: Planning

Control & Tenure:

Instrument Type: Sponsor owned property

Timing: Existing

Term Length: Perpetuity

yrs:

Expiration Date:

Landowner Type: Local

Note:

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

Sponsor Clarifications:

SPONSOR CERTIFICATION

- ☒ I certify that this project has been completed in accordance with the project agreement.
- ☒ I certify that, to the best of my knowledge, the information in the Final Report is true and correct.

Submitted by Lori Clark on 07/28/2014