

Final Report

Project #15-1059, Bear Creek Reach 6 Restoration - Ph II Design

Submitted by Walter Rung on 06/12/2017

Accepted by Josh Lambert on 06/12/2017

CONTACTS

Primary Sponsor: Adopt A Stream Foundation

Project Contact: Walter Rung
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Lead Entity: WRIA 8 LE (King County)

Managing Agency: Rec. and Conserv. Office

RCO Grant Manager: Josh Lambert
Josh.Lambert@rco.wa.gov

DESCRIPTION OF THE COMPLETED PROJECT

Project Start Date: 12/09/2015

FundingEnd Date: 05/01/2017

RCO Closure Date:

The Adopt A Stream Foundation (AASF) with the help of Chinook Engineering developed final engineered designs that focused on maximizing the benefit to chinook spawning and rearing within the project location at the Friendly Village Mobile Home Park in Redmond, WA along Bear Creek Reach 6. AASF developed a Request for Proposals (RFP) and selected the most qualified consultant. The consultant completed topographic surveying, hydraulic analysis, preliminary and final designs. An Archeological survey of the site was completed and the findings of that survey recommend an archeologist be onsite during the construction phase of the project. Final designs were sent to, reviewed by, and approved by the landowner.

SITE LOCATION

General Area of Project: Bear Creek

Waterbodies:

Cong District 2012: 01
County: King
HUC: Lake Washington
Leg District 2012: 48
Salmon Recov Reg 05: Puget Sound
Section: 06
Township/Range: T25NR06E
WAU: LAKE WASHINGTON, N
WRIA: Cedar-Sammamish

Sponsor Clarifications:

PROJECT NARRATIVE

AASF first made contact with Matt Marcus the owner of the Friendly Village Mobile Home Park in 2012 while working under funding from DOE to improve water quality in Bear Creek. AASF courted the landowner and obtained permission to implement a small streamside planting at the park, which lead to a larger project in 2014 where AASF installed approximately 40 pieces of LWD and planted a half-acre of riparian vegetation. With many more opportunities for restoration at the park in 2016 AASF decided to pursue a bigger project proposing to restore approximately 350 feet of stream channel and establish 1.0 acres of riparian vegetation. This was an ambitious goal and only achievable with the relationship AASF had built with the landowner after successfully complete two projects previously on the property.

After obtaining landowner permission for the project AASF applied for and received funding to develop designs for the proposed restoration. Part of the design phase was to develop an RFP and send it out to qualified consulting firms, the following firms received an RFP for this project: Natural System Designs, Wild Fish Conservancy, Herrera Environmental, Chinook Engineering, Confluence Environmental, GeoEngineers, Anchor QEA, Watershed Company and NHC. AASF selected a consultant and work with them to develop designs that maximized the benefit to Chinook salmon.

Lesson learned, it took considerable time to draft the RFP of which only one consultant responded too, in future I may consider talking to several consultants before making an RFP to see if they are interested in bidding on the project.

OVERALL PROJECT COSTS

Funding Formula:	Requested		Original		Final	
Puget Sound Acq. & Restoration:	\$0.00	(0%)	\$50,000.00	(100%)	\$50,000.00	(100%)
Salmon State Projects:	\$50,000.00	(100%)	\$0.00	(0%)	\$0.00	(0%)
Total:	\$50,000.00	(100%)	\$50,000.00	(100%)	\$50,000.00	(100%)
Paid To Date:	\$50,000.00		Last Released Billing: 06/14/2017			
Remaining RCO Funds:	\$0.00		Pending Billing: No			
Advance Balance:	\$0.00		Match Bank:	\$0.00		
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		\$50,000.00		\$50,000.00
Equipment				
Non-Capital Total	\$50,000.00	\$50,000.00		\$50,000.00
Total	\$50,000.00	\$50,000.00		\$50,000.00

Project Cost Metrics:	Original Agreement	Final
PCSRF Federal Funds (A.10):		
State Funds (A.11):	\$50,000.00	\$50,000.00
Other Federal Funding:		
Pending Billing - RCO Share Approved:		
Retainage - RCO amount retained:		\$0.00
Amount of other monetary funding (A.12):	\$0.00	\$0.00
Project identifier for the other monetary funding (A.12.b):	N/A	
Source of other monetary funding (A.12.a):	N/A	N/A
Value of Donated Unpaid Labor (Volunteers) (A.13.a.2):	\$0.00	\$0.00
Source of Donated Un-paid labor contributions (A.13.a.4):	NA	N/A
Number of hours volunteers contributed to the project (A.13.a.1):		0
Describe how the value of the volunteers was determined (A.13.a.3):		N/A
Value of Donated Paid Labor (A.13.b.1):	\$0.00	\$0.00
Source of Donated Paid Contributions (A.13.b.2):	N/A	N/A
Value of Other In-Kind Contributions (A.13.c.1):	\$0.00	\$0.00
Source of Other In-Kind Contributions (A.13.c.3):	NA	N/A
Description of other In-Kind contributions (A.13.c.2):	NA	N/A

PROJECT METRICS

	Original Agreement	Final
Completion Date		
Projected date of completion:	12/30/2016	06/30/2017
Project Goals		
Goals, purpose, and expected benefits (A.17):	<p>The design completed with this current funding request will be used for a future restoration project that will directly address priorities for Bear/Cottage Lake Creeks in the WRIA 8 Conservation Strategy for Chinook salmon (threatened), including protecting and restoring riparian vegetation and floodplain connectivity. This project will address these habitat-limiting factors by focusing design on: installing Large Woody Debris, re-vegetating the riparian buffer, increasing flood plain connectivity and re-establishing stream processes. Stakeholders in the design process include: AASF, WRIA 8, permit agencies, and Friendly Village Park landowner.</p>	<p>Completed final engineered designs that enhance spawning and rearing habitat for Chinook salmon</p>

WORKSITE #1: Bear Creek Reach 6

Worksite Description: The project starts at Snohomish Drive and continues downstream along Bear Creek for 330' and includes both banks for a total planting area of 1.0 acre. The existing streambanks are nearly vertical with extensive erosion occurring along each bank (see attached photos). The bank erosion is exasperated by the lack on native vegetation with both banks having manicured lawns to the edge of the stream. There is a footbridge that crosses the creek about mid way through the project area.

Activities: The major actives at this site will include: topographic surveying, hydraulic analysis, preliminary designs, and permitting

Driving Directions: From 405 take the NE 124th St Exit 20.

Turn left onto NE 124th St.

Turn right onto Woodinville Redmond Rd NE/WA-202.

Continue to follow WA-202.

Turn left onto NE 116th St.

Turn right onto Avondale Rd NE.

Turn left onto NE 95th St.

Arrive at 18425 NE 95TH ST, 172 is on the right

Private Property call project sponsor (AASF) before visiting site.

Coordinates for Worksite Directions - Latitude: 0.00 **Longitude:** 0.00

Sponsor Clarifications:

Sponsor verified the above information is correct and complete.

WORKSITE #1 COSTS

Worksite Billed Cost:	Estimated	Expended	Non-Reimbursable	Total Billed
Non-Capital Costs	\$50,000.00	\$50,000.00		\$50,000.00
Worksite Total	\$50,000.00	\$50,000.00		\$50,000.00

Worksite Costs by Category:	Original Agreement	Final
Design for Salmon restoration Costs:	\$44,000.00	\$44,069.00
Cultural Resource Costs:	\$6,000.00	\$5,931.00

WORKSITE #1 METRICS

	Original Agreement	Final
Targeted salmonid ESU/DPS (A.23):	Chinook Salmon-Puget Sound ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Steelhead-Puget Sound DPS	Chinook Salmon-Puget Sound ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Steelhead-Puget Sound DPS
Area Encompassed (acres) (B.0.b.1):	1.0	1.0
Targeted species (non-ESU species):	Cutthroat, Kokanee	Cutthroat, Kokanee
Miles of Stream Affected (B.0.b.2):	0.06	0.06

Design for Salmon restoration

Preliminary design

Total cost for Preliminary design:	\$44,000.00	
	<i>See attached budget for detail.</i>	
Project Identified in a Plan or Watershed Assessment.:	Title: The Bear Creek Reach 6 Phase II Stream Restoration Draft Report.	Bear Creek Reach 6 Restoration Project, Phase II SRFB Project 15-1059 "Basis of Design Report"
	Author: TBA Date: 7/2016 Source: TBA Source Address: TBA	Author: Jay Kidder, Chinook Engineering

Priority in Recovery Plan:	The Bear Creek Reach 6 Phase II Stream Restoration Draft Report will be the precursor to the final report and will determine what the site specific restoration needs are and how to best address these needs. This report will investigate restoration alternatives and will determine how to maximize benefit to Chinook Salmon at this location.	Maximize Benefits for rearing Chinook Salmon while providing some spawning habitat.
Name and Description of Plan:	None	None
Cultural Resources		
Cultural resources		
Total cost for Cultural resources:	\$6,000.00	
	<i>Based on cost estimate from HRA see attachment for detailed scope and cost.</i>	
Acres surveyed for cultural resources:	1.50	1.20

PROPERTY DESCRIPTION (Friendly Village Park)		
Activity: Planning		
Control & Tenure:		
Instrument Type: Landowner Agreement		
Timing: Proposed		
Term Length: Fixed # of years		
# yrs: 10		
Expiration Date: 6/1/2025		
Landowner Type: Private	Note:	
Recording Numbers:		
Instrument Type	Recording Number	Note
Sponsor Clarifications:		
Sponsor verified the above information is correct and complete.		
Sponsor Clarifications:		

PROPERTY DESCRIPTION (Sewer Line - Owned by Friendly Village)			
Activity: Planning			
Control & Tenure:			
Instrument Type:		Landowner Agreement	
Timing:		Proposed	
Term Length:		Fixed # of years	# yrs: 10
Expiration Date:			
Landowner Type:	Local	Note: Sponsor will secure necessary permits or permissions and coordinate with the utility through this design process.	
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 Walter Rung on 06/12/2017