
PROJECT: 15-1059 PLN, BEAR CREEK REACH 6 RESTORATION - PH II DESIGN

Sponsor: Adopt A Stream Foundation Program: Puget Sound Acq. & Restoration Status: Active
Project Start Date: 12/09/2015 Agreement End Date: 05/01/2017

Final Report Status: Accepted 06/12/2017

Description

PROJECT AGREEMENT DESCRIPTION

The Adopt A Stream Foundation (AASF) is requesting funds to generate preliminary design deliverables focused on improving habitat conditions in a future restoration project. Grant funding will be used to complete preliminary designs (as described in Manual 18 Appendix D-2) for the second phase of stream restoration at the Friendly Village Mobile Home Park in Redmond, WA along Bear Creek Reach 6. AASF will create a Request for Proposals (RFP) and select a qualified consultant that will be responsible for topographic surveying, hydraulic analysis, preliminary and final designs, cultural resource consultation and permitting assistance. AASF will work closely with the consultant and the landowner to develop designs that will provide the maximum benefit to fish and be acceptable to the landowner.

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.

FINAL PROJECT DESCRIPTION

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.

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.

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Worksites

Worksite #1: Bear Creek Reach 6

Worksite Address (Optional)

Street Address 18425 NE 95th St

City Redmond

State, Zip WA 98052

Worksite Details

Worksite #1: Bear Creek Reach 6

Worksite Name 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

Geographic Coordinates

From mapped point: Latitude 47.682510 Longitude -122.092976

For Directions: Latitude Longitude

SITE ACCESS 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.

✓ **The above information is correct and complete**

Properties

Worksite #	Worksite Name	Property Name	Basics Verified
1	Bear Creek Reach 6	Friendly Village Park	✓
1	Bear Creek Reach 6	Sewer Line - Owned by Friendly Village	✓

Planning Metrics

Current Agreement

Final

Worksite: Bear Creek Reach 6 (#1)

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Targeted salmonid ESU/DPS (A.23)

The salmon ESU (Evolutionarily Significant Unit) or steelhead DPS (Distinct Population Segment) name that the project is targeting. For species where ESU/DPS name is not known or determined, use the species name with unidentified ESU (e.g., Chinook salmon - unidentified ESU).

No Salmon ESU or Steelhead DPS	No Salmon ESU or Steelhead DPS
✓ Chinook Salmon-Puget Sound ESU	✓ Chinook Salmon-Puget Sound ESU
Chinook Salmon-unidentified ESU	Chinook Salmon-unidentified ESU
Chum Salmon-Puget Sound/Strait of Georgia ESU	Chum Salmon-Puget Sound/Strait of Georgia ESU
Chum Salmon-unidentified ESU	Chum Salmon-unidentified ESU
✓ Coho Salmon-Puget Sound/Strait of Georgia ESU	✓ Coho Salmon-Puget Sound/Strait of Georgia ESU
Coho Salmon-unidentified ESU	Coho Salmon-unidentified ESU
Pink Salmon-Odd year ESU	Pink Salmon-Odd year ESU
Pink Salmon-unidentified ESU	Pink Salmon-unidentified ESU
✓ Steelhead-Puget Sound DPS	✓ Steelhead-Puget Sound DPS
Steelhead/Trout-unidentified DPS	Steelhead/Trout-unidentified DPS

Area Encompassed (acres) (B.0.b.1)

Acres of land area affected by the planning and assessment activities (to nearest 0.1 acre).

1.0

1.0

Targeted species (non-ESU species)

Select one or more of the fish species that this project will benefit.

None	None
Unknown	Unknown
Brook Trout	Brook Trout
Brown Trout	Brown Trout
Bull Trout	Bull Trout
✓ Cutthroat	✓ Cutthroat
✓ Kokanee	✓ Kokanee
Rainbow	Rainbow
Searun Cutthroat	Searun Cutthroat

Miles of Stream Affected (B.0.b.2)

The miles of stream affected (to the nearest 0.01 mile).

0.06

0.06

Design for Salmon restoration

Projects include complete engineering or preliminary design.

Preliminary design

Preliminary engineering/design work for restoration projects.

Total cost for Preliminary design

\$44,000

Not Collected at Closure

Enter the cost (to the nearest dollar) of this work type, as close as you can reasonably get it.

Note: See attached budget for detail.

Project Identified in a Plan or Watershed Assessment.

Name of the Plan, Watershed Assessment or Recovery Plan that identifies the need or justification for conducting this project. (Author, date, title, source, source address. Endnote citation format). If project was not identified in a Plan, enter "None".

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"

Priority in Recovery Plan

Priority in Recovery Plan. How is the project prioritized or justified by the above plan? (i.e. addresses a priority action, occurs in a priority area, or targets a priority species). Include page reference. If project was not identified in a Plan, enter 'None'

Author: TBA
Date: 7/20/16
Title: The Bear Creek Reach 6 Phase II Stream Restoration Draft Report
Source Address: TBA
This 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.

Author: Jay Kidder, Chinook Engineering
Maximize Benefits for rearing Chinook Salmon while providing some spawning habitat.

Name and Description of Plan

Name and brief description of the plan that was developed through the grant. If no plan was developed, enter "None".

None

None

Cultural Resources

Activities that provide a report on a systematic set of field investigations that determine the presence or absence of cultural resource material.

Cultural resources

Activities that provide a report on a systematic set of field investigations that determine the presence or absence of cultural resource material. Often involves the services of a professional

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archaeologist, a literature review, site surface survey, small excavations, site monitoring, and photographic (and related) documentation of the resource.

Total cost for Cultural resources

\$6,000

Not Collected at Closure

Enter the cost (to the nearest dollar) of this work type, as close as you can reasonably get it.

Note: Based on cost estimate from HRA see attachment for detailed scope and cost.

Acres surveyed for cultural resources

1.50

1.20

Number of acres surveyed for cultural resources (to nearest 0.01 acre).

Overall Metrics

Current Agreement

Final

Completion Date

Projected date of completion

12/30/2011

06/30/2011

Estimated date the scope of work will be completed.

Project Goals

Goals, purpose, and expected benefits (A.17)

Short description of the goals and purpose of the project and how it is expected to benefit salmonids or salmonid habitat.

The design completed with this current funding request will be used for a future restoration project that will directly address

Completed final engineered designs that enhance spawning and rearing habitat for Chinook salmon

Planning Costs

*Final amounts include a pending billing
Date of Last Released Billing 01/23/2017*

Proposed

Final

Worksite: Bear Creek Reach 6 (#1)

SPLIT OUT FINAL TOTAL BELOW

\$50,000.00

\$50,000.00

Design for Salmon restoration Costs

\$44,000

\$44,069

Cultural Resource Costs

\$6,000

\$5,931

Difference

\$0

Billed Summary

*Final amounts include a pending billing
Date of Last Released Billing 01/23/2017*

Category	Project Agreement		Totals To Date		
	RCO	Total	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		50,000.00
Total	50,000.00	50,000.00	50,000.00		50,000.00

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Sponsor Match

	Proposed	Final
Project Funding		
PCSRF Federal Funds (A.10)		
State Funds (A.11)	\$50,000.00	\$45,000.00
Pending Billing - RCO Share Approved		\$0.00
Retainage - RCO amount retained		\$5,000.00
Sponsor Match: Monetary Funding		
Amount of other monetary funding (A.12)	\$0	\$0
Source of other monetary funding (A.12.a)	N/A	N/A
Sponsor Match: Donated Un-paid Labor (volunteers)		
Value of Donated Unpaid Labor (Volunteers) (A.13.a.2)	\$0	\$0
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)	<i>Collected at Closure</i>	0
Describe how the value of the volunteers was determined (A.13.a.3)	<i>Collected at Closure</i>	N/A
Sponsor Match: Donated Paid Labor		
Value of Donated Paid Labor (A.13.b.1)	\$0	\$0
Source of Donated Paid Contributions (A.13.b.2)	N/A	N/A
Sponsor Match: Other In-kind Contributions		
Value of Other In-Kind Contributions (A.13.c.1)	\$0	\$0
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
Amount Total	\$50,000	\$50,000
Total Billed		\$50,000
Difference		\$0

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Attachments

PHOTOS (JPG, GIF)



216471 Primary



216469 Secondary



216470



216472



216473

FILES AND PHOTOS

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
No attachments match filter criteria						

✓ The above information is correct and complete

Certify & Submit

Status History

Report Status	Date	User	Note
Accepted	06/12/2017	Josh Lambert	
Submitted	06/12/2017	Walter Rung	
Draft	06/08/2017	Walter Rung	

PROJECT: 15-1059 PLN, BEAR CREEK REACH 6 RESTORATION - PH II DESIGNSponsor: [Adopt A Stream Foundation](#) Program: Puget Sound Acq. & Restoration Status: ActiveProject Start Date: 12/09/2015 Agreement End Date: 05/01/2017

PROPERTY: Friendly Village Park (1: Bear Creek Reach 6)

Property Basics

Acquisition ☐ Planning ☒

Property Location

Property Name Friendly Village Park

Property Address
(optional)

City

State

Zip

Property Description 1,400' of Bear Cr. bisects the property with little native veg; most of the channel has grass to the OHW. Several stream crossings and portions of the property flood in winter. Work: topographic surveying, hydraulic analysis, and preliminary designs.

Associated Worksite Bear Creek Reach 6 (#1)

Landowner

Landowner Name Matt Marcus

Address
(optional) 1441 West Bay Dr NW Ste 102

City Olymipa

State WA Zip 98502

Landowner Type Private

Control and Tenure

Instrument Type Landowner Agreement

Timing Proposed

Term Type Fixed # of years

Yrs 10

Expiration Date 06/01/2021

Note

Parcel Numbers

County Name

No parcels

Parcel Number

Notes

Recording Numbers

Instrument Type

Recording Number

Notes

Sponsor Clarification

☒ The above information is correct and complete

Property Report: Friendly Village Park (Worksite #1: Bear Creek Reach 6)

Attachments

PHOTOS (JPG, GIF)



216471 Primary



216469 Secondary



216470



216472



216473

FILES AND PHOTOS

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
	07/26/2016	Cultural Resources: Cultural Resources Survey	Final Bear Creek Cult Res Inventory	JoshL	Final Bear Creek Cult Res Inventory.pdf , 273607 Property: Friendly Village Park	

PROJECT: 15-1059 PLN, BEAR CREEK REACH 6 RESTORATION - PH II DESIGNSponsor: [Adopt A Stream Foundation](#) Program: Puget Sound Acq. & Restoration Status: ActiveProject Start Date: 12/09/2015 Agreement End Date: 05/01/2017

PROPERTY: Sewer Line - Owned by Friendly Village (1: Bear Creek Reach 6)

Property Basics

Acquisition ☐ Planning ☒

Property Location

Property Name Sewer Line - Owned by Friendly Village

Property Address
(optional)

City

State

Zip

Property Description A sewer line runs along the right bank of the restoration area. Project sponsor will work to ensure no impacts to infrastructure. Private sewer line owned by Friendly Village.

Associated Worksite Bear Creek Reach 6 (#1)

Landowner

Landowner Name Friendly Village

Address
(optional)

City

State

Zip

Landowner Type Local

Control and Tenure

Instrument Type Landowner Agreement

Timing Proposed

Term Type Fixed # of years

Yrs 10

Expiration Date

Note Sponsor will secure necessary permits or permissions and coordinate with the utility through this design process.

Parcel Numbers

County Name

Parcel Number

Notes

No parcels

Recording Numbers

Instrument Type

Recording Number

Notes

No recordings

Sponsor Clarification

☒ The above information is correct and complete

Property Report: Sewer Line - Owned by Friendly Village (Worksite #1: Bear Creek Reach 6)

Attachments

PHOTOS (JPG, GIF)



216471 Primary



216469 Secondary



216470



216472

216473

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No attachments match filter criteria						