WASHINGTON STATE Recreation and Conservation Office

# Project Application Report

## Project #16-1215, Bear Creek Reach 6 - Phase II Construction

Current Status: Application Submitted

## Project Details

**Primary Sponsor:** Adopt A Stream Foundation

**Primary Contact:** Walter Rung
(425) 316-8592 111
walterr@streamkeeper.org

**Funding Program:** Salmon State Projects

**Lead Entity:** Lake Washington/Cedar/Sammamish Watershed (WRIA 8) Lead Entity

**Project Type:** Restoration

## Project Description

Adopt A Stream Foundation (AASF) requests funds to implement the construction of Phase II of a stream restoration project at the Friendly Village Mobile Home Park in Redmond, Washington. In 2014, AASF completed their first major instream restoration project at this property (project #12-1282). Phase II – Project Design is underway (project #15-1059), which will result in, at minimum, preliminary designs for implementation. The project that is the subject of this request will implement the restoration designs produced in 15-1059, including large woody debris (LWD) placement, removal of a foot bridge that confines the channel, adding meanders to the straightened channel, and riparian restoration. This project will implement restoration that is designed to provide the maximum benefit to Chinook salmon resulting in the enhancement of 330 linear feet of instream habitat and the conversion of one acre of lawn to a native riparian forest. The proposed project is identified as project N214 in the WRIA 8 Chinook Conservation Plan. The overall technical hypothesis of N214 is to reduce fine sediment inputs, add LWD, restore riparian conditions, and reduce channel confinement. N214 calls out the proposed project area specifically, stating that "restoration is [sic] needed throughout Friendly Village." This project will address these habitat-limiting factors by focusing on: installing Large Woody Debris, re-vegetating the riparian buffer, increasing flood plain connectivity and re-establishing stream processes.

## Project Overall Metrics (Outcomes, Benefits)

| Category / Work Type / Metric | Application Answer |
|---|---|
| **Completion Date** | |
| Projected date of completion | 12/31/2020 |
| **Sponsor Match: Monetary Funding** | |
| Amount of other monetary funding (A.12) | $967.00 |
| Project identifier for the other monetary funding (A.12.b) | ALEA grant, other grants, AASF discretionary funding |
| Source of other monetary funding (A.12.a) | WDFW, AASF |
| **Sponsor Match: Donated Un-paid Labor (volunteers)** | |
| Value of Donated Unpaid Labor (Volunteers) (A.13.a.2) | $16,800.00 |
| Source of Donated Un-paid labor contributions (A.13.a.4) | Unpaid interns to assist under direct supervision of AASF staff with in-stream construction and riparian planting and maintenance valued at $12K. We plan to hosting a minimum of 2 volunteer events at this site for a donated labor value of $4800 |
| **Sponsor Match: Donated Paid Labor** | |
| Value of Donated Paid Labor (A.13.b.1) | $0.00 |
| Source of Donated Paid Contributions (A.13.b.2) | N/A |
| **Sponsor Match: Other In-kind Contributions** | |
| Value of Other In-Kind Contributions (A.13.c.1) | $12,233.00 |
| Source of Other In-Kind Contributions (A.13.c.3) | Adopt A Stream Foundation and our material vendor Duane Derosier, Cascade Coffee |
| Description of other In-Kind contributions (A.13.c.2) | AASF will donate $3,933 in LWD and native pants from our stock piles. Our material vendor will contribute $7000 to this project in the form of free or reduced cost wood and rock. Cascade Coffee will donate $1300 in coffee bag for planting area. |

## Project Funding

| Funding Request | | Funding % | Min Match Required | Sponsor Match Source | |
|---|---|---|---|---|---|
| Salmon State Projects (FY2017) | $170,000 | 85.00 % | | Donated Labor | $16,800 |
| Sponsor Match | $30,000 | 15.00 % | 15% | Donated Materials | $12,233 |
| Total Project Funding | $200,000 | 100.00 % | | Grant - Other | $967 |

| Project Cost Summary | | Project % | Admin/A&E % | Maximum for Selected Program |
|---|---|---|---|---|
| **RESTORATION COSTS** | | | | |
| Restoration | $200,000 | | | |
| A&E | $0 | | 0.00 % | $60,000 (30%) |
| Subtotal | $200,000 | 100.00 % | | |

| | | |
|---|---|---|
| **Total Cost Estimate** | $200,000 | 100.00 % |

## Worksites and Properties

**County:** King
**Legislative Districts 2012:** 48
**Congressional Districts 2012:** 01
**Salmon Recovery Regions:** Puget Sound
**DNR Watershed Units (WAU):** LAKE WASHINGTON, N
**4th Field Catalog Units (HUC):** Lake Washington
**WRIA:** Cedar-Sammamish
**Sections:** 06
**Township:** T25NR06E
**Coordinates:** 47.68279047
-122.09312232

## Worksite #1: Friendly Village Phase II worksite (downstream of

**Coordinates from Mapped Point:** **Latitude:** 47.68279047 **Longitude:** -122.09312232
**Coordinates from Worksite Directions:** **Latitude:** 47.683101 **Longitude:** -122.092401

**Worksite Description:** Phase II project restores degraded habitat along 330 linear feet of stream that flows through the Friendly Village mobile home park. Throughout the project site, the majority of the streambank is vertical or nearly vertical with extensive erosion occurring along each bank. Lawn is the only significant vegetation present, a footbridge confines the channel and the site lacks any significant large woody debris (LWD) Project is located on the Friendly Village Mobile Home park property, located just downstream of the Snohomish Dr car bridge and will continue downstream for approximate 330' to the property boarder. The project will extended up the right bank approximately 100-150' and up the left bank 50'. Activities that will be conducted at work site include riparian restoration, addition of LWD and meanders to the stream channel, removal of a foot bridge, and re-sloping of the streambank.

**Site Access Directions:** Take exit 182 for Interstate 405 S toward Bellevue/Renton 0.9 mi 8. Merge onto I-405 S 9.2 mi 9. Take exit 20 for NE 124th St 0.3 mi 10. Turn left onto NE 124th St 3.6 mi 11. Continue onto NE 128th St 1.0 mi 12. Turn right onto Avondale Rd NE 2.2 mi 13. Turn left onto NE 95th St/Conrad Olson Road 0.1 mi 14. Turn right onto Snohomish Dr

**Worksite Address:**
18425 NE 95th St
Redmond , WA 98052

## Restoration Metrics (Outcomes, Benefits)

| Category / Work Type / Metric | Application Answer | Work Type Costs |
|---|---|---|
| Targeted salmonid ESU/DPS (A.23) | Chinook Salmon-Puget Sound ESU, Coho Salmon-Puget Sound/Strait of Georgia ESU, Steelhead-Puget Sound DPS | |
| Targeted species (non-ESU species) | Bull Trout, Cutthroat, Searun Cutthroat | |
| Miles Of Stream Treated/Protected (C.0.b) | 0.06 | |
| Project Identified In a Plan or Watershed Assessment (C.0.c) | This reach is identified in the WRIA 8 Chinook Conservation Plan as a Tier 1-Core Chinook Use N214 listed in the WRIA 8 Chinook Conservation Plan. The overall technical hypothesis of N214 is to reduce fine sediment inputs, add LWD, restore riparian conditions, and reduce channel confinement. N214 calls out the proposed project area specifically, stating, "Restoration is needed throughout Friendly Village."Chinook habitat-limiting factors identified in Chapter 3: WRIA 8 Chinook Recovery Plan | |
| Type Of Monitoring (C.0.d.1) | None | |
| Monitoring Location (C.0.d.2) | No monitoring completed | |
| **Instream Habitat Project** | | |
| Total Miles Of Instream Habitat Treated (C.4.b) | 0.06 | |
| **Channel reconfiguration and connectivity (C.4.c.1)** | | |
| Total cost for Channel reconfiguration and connectivity | | $104,925.00 |
| Type of change to channel configuration and connectivity (C.4.c.2) | Meanders Added | |
| Miles of Stream Treated for channel reconfiguration and connectivity (C.4.c.3) | 0.01 | |
| Miles of Off-Channel Stream Created (C.4.c.4) | 0.06 | |
| Acres Of Channel/Off-Channel Connected Or Added (C.4.c.5) | 0.3 | |
| Instream Pools Created/Added (C.4.c.6) | 4 | |
| **Channel structure placement (C.4.d.1)** | | |
| Total cost for Channel structure placement | | $64,925.00 |
| Material Used For Channel Structure (C.4.d.2) | Individual Logs (Anchored), Stumps With Roots Attached (Rootwads) | |
| Miles of Stream Treated for channel structure placement (C.4.d.3) | 0.06 | |
| Acres Of Streambed Treated for channel structure placement (C.4.d.4) | 0.3 | |
| Pools Created through channel structure placement (C.4.d.5) | 5 | |
| Yards Of Average Stream-Width At Mid-Point Of Worksite (C.4.d.6) | 13 | |

| | | |
|---|---|---|
| Number of structures placed in channel (C.4.d.7) | 8 | |

**Riparian Habitat Project**

| | | |
|---|---|---|
| Total Riparian Miles Streambank Treated (C.5.b.1) | 0.06 | |
| Total Riparian Acres Treated (C.5.b.2) | 1.0 | |
| **Planting (C.5.c.1)** | | |
| Total cost for Planting | | $30,000.00 |
| Species Of Plants planted in riparian (C.5.c.2) | Including but not limited to: Willow [salix ssp.], Sitka spruce [Picea sitchensis], red alder [Alnus rubra], bitter cherry [Prunus emarginata], W. red cedar [Thuja plicata], black twinberry [Lonicera involucrata], red elderberry [Sambucus racemosa], Common Names: Spruce, Cedar, Douglas Fir, Alder, Big Leaf Maple, Birch, Red Flowering current, Snow berry, Nine Bark. | |
| Acres Planted in riparian (C.5.c.3) | 1.0 | |
| Miles of streambank planted (C.5.c.4) | 0.06 | |
| Average Riparian Width | 100 | |

**Permits**

| | | |
|---|---|---|
| **Obtain permits** | | |
| Total cost for Obtain permits | | $150.00 |
| Number of permits required for implementation of project | 2 | |

## Restoration Questions

**1 of 6** **Has the worksite been investigated for historical, archeological, or cultural resources? If yes, when did this occur and what agencies and tribes were consulted? Attach related documents (letters, surveys, agreements, etc.) to your project in PRISM.**
Yes, Our current deigns project at this location will be completing an archaeological survey of the worksite (project #15-1059), We anticipate the archaeological survey will be completed on or before 12/31/2016.

**2 of 6** **What is the current land use of the site? Has there been ground disturbances historically, if so, what are/were those disturbances? Is there any fill where ground disturbance is proposed? If known, how deep is the fill?**
Mobile Home Park, Historic ground disturbance includes the importing of fill material of unknown depth.

**3 of 6** **Is the worksite(s) located within an existing park, wildlife refuge, natural area preserve, or other recreation or habitat site? If yes, name the area and specify if the land is owned by local, state or federal government.**
No

**4 of 6** **Describe any proposed ground disturbing activities. That is, will a tool(s) be used to move earth (soil, rock, gravel, etc.) as part of this project? This includes hand or mechanized tools, for example: shovel, auger, pick axe, backhoe, etc. Also include specific information including length, width, and depth of the ground disturbance that will be required for all proposed work, if known. Please avoid subjective phrases such as "ground disturbing activities will be minor".**
Ground disturbing activities include mechanized heavy equipment such as excavator and dump trucks to excavate meanders and place LWD. Excavation of up to 10' is expected in areas where LWD placement is to occur. Logs, boulders and cable will be placed in the streambank and channel. Hand tools will be used such as shovels, pick axes and hammers.

**5 of 6** **Give street address for this worksite if available.**
18425 NE 95th St, Redmond, WA 98052 Project is located immediately downstream of the Snohomish Dr. footbridge and runs downstream for approximately 330' to the southern boarder of the property. In addition to the stream channel the project area extends up the right bank approximately 150' and on the left bank approximately 50'

**6 of 6** **Are there any structures existing on the property (including tidegates, dikes, etc.)? If so, please list all existing structures. Indicate if any of these structures will be altered or demolished as a result of the project, and provide the following information for each structure that could be altered or demolished: identifying name, year constructed, year(s) remodeled/renovated. Attach at least one photo of each of the proposed altered structures.**
Yes, Yes, it is a mobile home park with several manufactured home in the vicinity of the worksite. A footbridge spans the creek within the project area, bridge is to be removed as part of the restoration project.

## Property for Friendly Village Phase II worksite (downstream of Worksite #1: Friendly Village Mobile Home Park

**Activity:** Restoration

**Landowner**
Matt Marcus
1441 West Bay Dr NW, Suit 102
Olympia, WA 98052

**Landowner Type:** Private

**Control and Tenure**
**Instrument Type:** Landowner Agreement
**Purchase Type:**
**Term Length:** Fixed # of years (10 years)
**Expiration Date:** 12/31/2027
**Note:**

## Overall Project Questions

**1 of 10** **Is any part of the scope of work included in this application required as mitigation for another project or action? E.g. FERC relicensing, Habitat Conservation Plan, legal settlement, etc. If yes, explain:**
No

**2 of 10** **Do you need state SRFB dollars (not Federal) to match the requirements of any other federal funding you will be using to complete this project. If**

**Yes, please state the amount of state dollars needed out of your total request.**
No, N/A

**3 of 10** **Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination. (www.dnr.wa.gov/Publications/aqr_land_manager_map.pdf)**
No

**4 of 10** **Do your organizational documents (charter, bylaws, or articles of incorporation) include the authority for the protection or enhancement of natural resources or related activities?**
Yes

**5 of 10** **Do your organizational documents (charter, bylaws, or articles of incorporation) provide for an equivalent successor organization in case the nonprofit dissolves?**
Yes

**6 of 10** **For grants listed in the Sponsor Match Category section on the Funding Request tab, list the grant source(s), when the funds were (or will be) secured, and how long the grant funds will be available to this project.**
-Unsecured $967.00 from the Aquatic Land Enhancement Account (ALEA) WDFW, 2 years. Money to pay for plants and associated materials for volunteer planting events

**7 of 10** **Describe the type and timing of donated labor (skilled and unskilled), donated equipment, and donated materials that will be used for this project, identified in the Sponsor Match Category section on the Funding Request tab.**
AASF will use unskilled volunteer intern labor to assist with project implementation. AASF typically recruits 4 to 7 unpaid interns each summer, interns learn about stream restoration and get hands on experience working on actual stream restoration projects. We estimate that during the summer of 2017 we will have a 4 unpaid interns contributing 3 weeks of labor to this project during the initial construction phase and 2 weeks a year for the last two years of the grant for riparian maintenance for a total donated value of $12,000. In the fall of 2017 after the heavy construction is done we will hold two volunteer planting events, which, we estimate 40 volunteers will attend each of the 4 hours events valued at $4,800. Duane are material supplier for this project has agreed to donated up to $7K worth of logs, root wads and /or rock. AASF frequently receives donated logs and plants, which are stock pilled and available for donation to our projects. We currently have plants and LWD in or stock pile that can be donated to this project a value of $5,233.

**8 of 10** **Is your organization registered as a non-profit with the Washington Secretary of State? If so, what is your Unified Business Identifier (UBI) number?**
601270895

**9 of 10** **What date was your organization created?**
08/01/1985

**10 of 10** **How long has your organization been involved in salmon and habitat conservation?**
31 years

# Project Permits

| Permit Type | Applied Date | Received Date | Expiration Date | Permit Number |
|---|---|---|---|---|
| Hydraulics Project Approval [HPA] Nationwide Permit | | | | |

**Permit Questions**

1 of 2 **If this project requires a federal permit, will the scope of that permit cover ALL proposed ground disturbing activities included in this project? You may need to request a pre-application meeting with the permitting agency to answer this question.**
Yes, Project will require a USACE Nation Wide 27 permit, we anticipates this project will qualify for Nationwide 27. “Aquatic Habitat Restoration, Establishment, and Enhancement Activities”

2 of 2 **Are you planning on using the federal permit streamlining process (Limit 8, www.rco.wa.gov/documents/fact_sheets/Permit_Streamlining_fact_sheet.pdf)?**
Yes

# Project Attachments

| Required Attachments | 7 out of 7 done |
|---|---|
| Authorizing Resolution/Application Authorization | ☑ |
| Cost Estimate | ☑ |
| Map: Area of Potential Effect (APE) | ☑ |
| Map: Restoration Worksite | ☑ |
| Photo | ☑ |
| RCO Fiscal Data Collection Sheet | ☑ |
| Salmon Project Proposal | ☑ |

**Photos**

| Attachment Type | Title | Attach Date |
|---|---|---|
| Application Review Report | Application Review Report, 16-1215R(rtnd 03/22/16 10:52:13).pdf | 03/22/2016 |
| Authorizing Resolution/Application Authorization | App Auth 15-1059.pdf | 03/18/2016 |
| Conversion documents | WDFW Project Comments.docx | 03/22/2016 |
| Conversion documents | Habitat Bank Project Comments.docx | 03/22/2016 |
| Correspondence | State Owner Aquatic Lands.docx | 03/22/2016 |
| Cost Estimate | Budget Sheet FVII Construction.xlsx | 03/18/2016 |
| Design document | Map of Sewer Lines in Project Area.pdf | 03/22/2016 |
| Letters of Support | USACE LWD Donation Letter.pdf | 03/22/2016 |
| Map: Restoration Worksite | Map of Restoration Area.pdf | 03/18/2016 |
| Photo | DSCN3501.jpg | 03/18/2016 |
| Photo | DSCN3506.jpg | 03/18/2016 |
| Project Application Report | Application Report, 16-1215R (submitted 03/18/16 16:00:09).pdf | 03/18/2016 |
| Salmon Project Proposal | Project Proposal_Appendix_C_BearPhII_Construction.docx | 03/22/2016 |

# Application Status

**Application Due Date:** 08/12/2016

| Status | Status Date | Name | Notes |
|---|---|---|---|
| Application Submitted | 03/22/2016 | Walter Rung | |
| Application Returned | 03/22/2016 | Josh Lambert | Walt, I've returned your application to make any additional edits that Jason suggested. After I get it back I will take another look. |
| Application Submitted | 03/18/2016 | Walter Rung | |
| Preapplication | 02/09/2016 | | |

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. (Walter Rung, 03/22/2016)

Date of last change: 03/22/2016