

Project #15-1071, Evans Creek Relocation Project

Current Status: Application Submitted

Project Details

Primary Sponsor: City of Redmond

Primary Contact: Roger Dane
(425) 556-2815
rdane@redmond.gov

Funding Program: Salmon State Projects

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

Project Type: Restoration

Project Description

Redmond proposes to relocate and restore a ditched section of Evans Creek to adjacent open space, enhancing in-stream and riparian habitat for Chinook and Coho salmon. Reach 2 of Evans Creek is currently constricted by industrial development and isolated from its floodplain, with simplified in-stream habitat and no buffers. The project will create a longer more diverse channel with enhanced in-stream structure and habitat, reconnecting the channel with floodplain wetlands. Project enhancements will primarily benefit rearing habitat for Sammamish Chinook (threatened) and Coho (candidate) salmon from Evans and Bear Creeks. This project will build upon construction of the lower 1,100 feet of channel (currently a backwater) completed by WSDOT in 2013, and additional channel enhancement outside the area proposed for PSAR funding. The PSAR portion of the project will construct 1,200 feet of new channel with in-stream logs and log multi-log structures (proposed PSAR funding and match will support final design, channel creation and in-stream structures). The project is identified as a high priority in the WRIA 8 Chinook Conservation Plan (N-432A) and by the City. The overall project will complete creation of 3,500 feet of new creek channel with habitat features, and restore 22 acres of riparian buffer. This work is primarily funded by the City of Redmond stormwater CIP.

Project Overall Metrics (Outcomes, Benefits)

Category / Work Type / Metric	Application Answer
Completion Date	
Projected date of completion	12/31/2019
Sponsor Match: Monetary Funding	
Amount of other monetary funding (A.12)	\$75,000.00
Project identifier for the other monetary funding (A.12.b)	20020995.04.01.02
Source of other monetary funding (A.12.a)	City of Redmond Stormwater CIP
Sponsor Match: Donated Un-paid Labor (volunteers)	
Value of Donated Unpaid Labor (Volunteers) (A.13.a.2)	\$0.00
Source of Donated Un-paid labor contributions (A.13.a.4)	N/A
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)	\$0.00
Source of Other In-Kind Contributions (A.13.c.3)	N/A
Description of other In-Kind contributions (A.13.c.2)	N/A

Project Funding

Funding Request		Funding %	Min Match Required	Sponsor Match Source	
Salmon State Projects	\$338,174	81.85 %		Appropriation \ Cash	\$75,000
Sponsor Match	\$75,000	18.15 %	15%		
Total Project Funding	\$413,174	100.00 %			
Project Cost Summary					
RESTORATION COSTS					
Restoration	\$361,513				
A&E	\$51,661		14.29 %		\$108,454 (30%)
Subtotal	\$413,174	100.00 %			
Total Cost Estimate	\$413,174	100.00 %			

Worksites and Properties

County: King

Legislative Districts 2012: 45

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: 47.67770047
 -122.08128432

Worksite #1: Evans Creek reach 2

Coordinates from Mapped Point: **Latitude:** 47.67770047 **Longitude:** -122.08128432
Coordinates from Worksite **Latitude:** 47.682743 **Longitude:** -122.081743
Directions:

Worksite Description: The worksite includes a former farmstead a partially wooded wetland and abandoned pasture with wet reed canary grass meadow. All are part of a passive use open space with a multi-use trail. An excavator will be used to dig the new channel (average 20-25 feet wide and 3 feet deep over 1,200 feet of channel, and to install in-stream log structures.

Site Access Directions: Follow SR-520 eastbound to the end Turn right on Union Hill Road and go 1.3 miles At the roundabout go north on 196th NE and go 0.7 mile Turn left into Perrigo Park (and park) Walk the Evans Creek trail south through the project site

Worksite Address:
 19450 Union Hill Road NE
 Redmond, WA 98053

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	
Targeted species (non-ESU species)	Cutthroat	
Miles Of Stream Treated/Protected (C.0.b)	0.65	
Project Identified In a Plan or Watershed Assessment (C.0.c)	Lake Washington Cedar Sammamish Watershed (WRIA 8) Chinook Salmon Conservation Plan, King County, February 2005	
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)	0.23	
Channel reconfiguration and connectivity (C.4.c.1)		
Total cost for Channel reconfiguration and connectivity		\$201,000.00
Type of change to channel configuration and connectivity (C.4.c.2)	Channel Bed Restored, Creation of Instream Pools, Meanders Added	
Miles of Stream Treated for channel reconfiguration and connectivity (C.4.c.3)	0.23	
Miles of Off-Channel Stream Created (C.4.c.4)	0.00	
Acres Of Channel/Off-Channel Connected Or Added (C.4.c.5)	0.0	
Instream Pools Created/Added (C.4.c.6)	12	
Channel structure placement (C.4.d.1)		
Total cost for Channel structure placement		\$125,513.00
Material Used For Channel Structure (C.4.d.2)	Individual Logs (Anchored), Individual Logs (Unanchored), Logs Fastened Together (Logjam), Other Engineered Structures	
Miles of Stream Treated for channel structure placement (C.4.d.3)	0.23	
Acres Of Streambed Treated for channel structure placement (C.4.d.4)	0.7	
Pools Created through channel structure placement (C.4.d.5)	12	
Yards Of Average Stream-Width At Mid-Point Of Worksite (C.4.d.6)	7	
Number of structures placed in channel (C.4.d.7)	33	
Cultural Resources		
Cultural resources		
Total cost for Cultural resources		\$25,000.00
Acres surveyed for cultural resources	10.00	
Permits		
Obtain permits		
Total cost for Obtain permits		\$10,000.00
Number of permits required for implementation of project	7	
Architectural & Engineering		
Architectural & Engineering (A&E)		
Total cost for Architectural & Engineering (A&E)		\$51,661.00

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, A cultural resource assessment was conducted in 2013. The report is attached to PRISM.
- 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?**
Martin Park (Parcel 1) is a former farmstead, now a passive use park with a multi-use trail. parcel 2 is a partially wooded wetland with a multi-use trail. parcels 3 & 4 (Union Shares) are abandoned pasture with wet reed canary grass meadow on property slated for future development. parcel 5 is a wooded open space with a multi-use trail along one edge. Historical ground disturbance involved farming, ditching, and minor amounts of fill for a logging road (2-3 feet above surrounding ground surface).
- 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.**
Yes, Portions of the project are located on park and open space parcels owned by the City of Redmond (parcel numbers 0625069152, 0625069045 and 0625069060). Other parcels in the project are privately owned, including former pasture (as well as developed industrial sites outside the PSAR funded portion of the project). The lower 1,100 feet of the channel is currently constructed as a backwater on a WSDOT mitigation site completed in 2013 (0625069159) immediately downstream of the scope of work in this proposal.
- 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".**
An excavator will be used to dig the new channel (average 20-30 feet wide and 3-4 feet deep (including over-excavation to accommodate streambed materials if needed) over 3,500 feet of channel. Shovels or augers may be used for planting wetland/riparian areas.
- 5 of 6** **Give street address for this worksite if available.**
The approximate street address is 19450 Union Hill Road NE, Redmond, WA 98053
- 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, No buildings will be altered or removed. A portion of raised trail (asphalt over steel pan on helical piles constructed in 2004) may be modified to accommodate required clearance above the proposed stream channel. A short concrete slab bridge will be removed. HRA has examined the bridge and determined it is a relatively modern pre-cast structure suitable for removal (see cultural resources investigation, attached in PRISM).

Property for Evans Creek reach 2 Worksite #1: City of Redmond - parcel 2

Activity: Restoration

Landowner

City of Redmond
PO Box 97010
Redmond, WA 98073-9710

Landowner Type: Local Government

Control and Tenure

Instrument Type: Sponsor owned property
Purchase Type:
Term Length: Perpetuity
Expiration Date:
Note: TPN: 0625069045

Property for Evans Creek reach 2 Worksite #1: Martin Park (Parcel 1)

Activity: Restoration

Landowner

City of Redmond
PO Box 97010
Redmond, WA 98073-9710

Landowner Type: Local Government

Control and Tenure

Instrument Type: Sponsor owned property
Purchase Type:
Term Length: Perpetuity
Expiration Date:
Note: TPN: 0625069060

Property for Evans Creek reach 2 Worksite #1: Union Shares LLC - parcel 1

Activity: Restoration

Landowner

Union Shares LLC c/o Gordon Hoenig
13835 - 62nd NE
Kirkland, WA 98033

Landowner Type: Private

Control and Tenure

Instrument Type: Easement
Purchase Type:
Term Length: Perpetuity
Expiration Date:
Note: TPN: 0625069017

Property for Evans Creek reach 2 Worksite #1: Union Shares LLC - parcel 2

Activity: Restoration

Landowner

Union Shares LLC c/o Gordon Hoenig
13835 - 62nd NE
Kirkland, WA 98033

Control and Tenure

Instrument Type: Easement
Purchase Type:
Term Length: Perpetuity

Overall Project Questions

- 1 of 5 **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 5 **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
- 3 of 5 **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 5 **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.**
Match for this request is City of Redmond CIP. There are other grant funds used for other phases of the project.
- 5 of 5 **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.**
None anticipated

Project Permits

Permit Type	Applied Date	Received Date	Expiration Date	Permit Number
Cultural Assessment [Section 106]				
Endangered Species Act Compliance [ESA]				
Hydraulics Project Approval [HPA]				
Nationwide Permit				
SEPA				
Shoreline Permit				
Water Quality Certification [Section 401]				

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, It is anticipated that all ground disturbing activities will be part of the Federal permit (and Section 106 process if necessary). The city is prepared to conduct additional archaeological investigation if needed as a result of design updates. It is anticipated that excavation will be monitored by an archaeologist.
- 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 5 out of 5 done

Cost Estimate	<input checked="" type="checkbox"/>
Map: Area of Potential Effect (APE)	<input checked="" type="checkbox"/>
Map: Restoration Worksite	<input checked="" type="checkbox"/>
Photo	<input checked="" type="checkbox"/>
Salmon Project Proposal	<input checked="" type="checkbox"/>

Photos

Attachment Type	Title	Attach Date
Correspondence	WRIA8_supplemental_riparian_app_form_Jan2015 - Evans Creek P.docx	04/02/2015
Correspondence	DNR response re aquatic lands.pdf	03/04/2015
Cost Estimate	evans overall cost PSAR 8-5-15.pdf	08/11/2015
Design document	Evans Creek PSAR aerial photo key.pdf	08/05/2015
Design document	FINAL_EvansCreekConceptRefinementTM_2014-04-23.pdf	07/30/2015
Design document	ECR - Preliminary Design Report (Reduced) (1).pdf	03/30/2015
Design document	EvansCreek_30PercentDwgs_2014-08-01_red.pdf	03/30/2015
Map: Restoration Worksite	Evans Creek PSAR aerial.pdf	08/05/2015
Photo	photo 11 existing channel in industrial area looking upstrea.jpg	03/27/2015
Photo	photo 5 looking north along rasied trail.jpg	03/04/2015
Photo	photo 6 looking west from raised trail.jpg	03/04/2015

Photo	photo 8 looking west to wooded wetland.jpg	03/04/2015
Photo	photo 7 looking NE to restoration area from raised trail.jpg	03/04/2015
Photo	photo 3 looking N just upstream of project.jpg	03/04/2015
Photo	photo 2 looking south at enhanced channel under Union Hill R.jpg	03/04/2015
Photo	photo 4 looking north along raised trail.jpg	03/04/2015
Photo	photo 10 looking SE to wsdot channel.jpg	03/04/2015
Photo	photo 9 looking NE from existing channel to WSDOT project si.jpg	03/04/2015
Photo	photo 1 concrete plank bridge to be removed.jpg	03/04/2015
Salmon Project Proposal	Appendix_C_RestAcqCombProposal 8-2015.docx	08/05/2015

Application Status

Application Due Date: 08/14/2015

Status	Status Date	Name	Notes
Application Submitted	08/11/2015	Roger Dane	
Preapplication	02/25/2015		

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. (Roger Dane, 08/11/2015)

Date of last change: 08/11/2015