King County

WLR ROUTING FORM For Agreements, Grants, Misc. Documents & Other Contract Documents

Check all for which you are requesting approval:

- ☐ Contract Authorization Memo
- ☐ Amendment/Change Order
- ☐ Other_____
- ☐ Other_____
- ☒ Grant Application
- ☐ Grant Agreement
- ☒ Grant Alert (RCO only)
- ☐ Interlocal Agreement
- ☐ Interagency Agreement
- ☐ Memorandum of Agreement
- ☐ Memorandum of Understanding
- ☐ Contract Agreements

Section/Program	Agency / Title of Document ("Agency" = funding source or entity signing agreement)
RRSS/	RCO SRFB Grant Application and Grant Alert

If Doc is Grant Alert or Application:

Application Due Date	Grant Budget Amount	Match Amount & Source
Feb 28, 2022	$150,000	$99,000 (SWM)

If Doc is Agreement or Amendment:

Document Start Date	Document End Date	Document Amount	Prior Total Amount

Description of Document – If applicable, explain differences in budget or scope between grant application and agreement.

Draft Grant Application (much of it is in the online PRISM application portal) and Grant Agreement for RCO-SRFB PSAR 2022 grant fund for Alternatives Analysis and Preliminary Design of the Miller River Floodplain Restoration project.

NOTE: If getting approval of grant application only (grant alert was previously approved), include copy of grant alert.

Internal Approval	N/A	Initials / Signature	Date
Budget Reviewer		Kristin Cline Digitally signed by Kristin Cline Date: 2022.02.22 13:14:40 -08'00'	
Unit Manager		Kaje, Janne Digitally signed by Kaje, Janne Date: 2022.02.18 12:14:07 -08'00'	
Section Manager		Lee, Joan Digitally signed by Lee, Joan Date: 2022.02.22 13:26:46 -08'00'	
Division Director		DocuSigned by: 207AF316BF0B4B6...	2/22/2022

External Approval	N/A	Initials / Signature	Date
Other (as needed)	✔		
Prosecuting Attorney	✔		

Retain an electronic copy of the completed Routing Form as a record the document was approved.

Revised 6/2/21 by A. Plischke

Salmon Recovery Funding Board
Application Authorization

Organization Name **King County Department of Natural Resources and Parks, Water and Land Resources Division**

Project Name and Number (s) **22-1149 Lower Miller River Floodplain Restoration Design**

This form authorizes submitting application(s) for grant funding assistance for salmon recovery project(s) to the Salmon Recovery Funding Board as provided in RCW 77.85, WAC 420 and subsequent Legislative action.

FINDINGS OF FACT:

1. Under the provisions of the Salmon Recovery Act, state grant assistance is requested to aid in financing the cost of **Planning**.
2. Our organization considers it in the best public interest to complete the project described in the application(s).
3. The details of the project are contained in the attached Grant Alert.
4. The Division Director approves the Grant Alerts and provides them to the County Office of Performance, Strategy and Budget, which in turn provides them to the King County Council, as evidenced by the attached memorandum.
5. The King County Council does not adopt resolutions to approve grant applications.
6. Authorization of grant documents, including applications, was delegated to department directors by the King County Executive in Executive Order CON 7-3-2, effective 12/28/2006 (available at http://www.kingcounty.gov/~/media/operations/policies/documents/CON732AEO.ashx?la=en) and then subsequently from the DNRP Director to division directors.
7. The Director of the King County Department of Natural Resources and Parks, Water and Land Resources Division is authorized to make formal application to the Salmon Recovery Funding Board for grant assistance.

PROVISIONS:

1. Our organization has reviewed the sample project agreement on the Recreation and Conservation Office's web site at: http://www.rco.wa.gov/documents/manuals&forms/SampleProjAgreement.pdf and authorize **Josh Baldi** [*insert the names of people who can sign a contract on behalf of your organization*] to enter into such a project agreement, if funding is awarded. We understand and acknowledge that the project agreement will contain the indemnification (applicable to any sponsor) and waiver of sovereign immunity (applicable to Tribes) and other terms and conditions that are contained in the sample project agreement.
2. Any grant assistance received will be used for direct costs associated with implementation of the project referenced above.
3. Our organization expects our matching share of project funding will be derived from **Surface Water Management Funds** and meets the requirements of WAC 420-12-040. In addition, our organization understands it is responsible for supporting all non-cash commitments to this project should they not materialize.
4. We acknowledge that if the Salmon Recovery Funded Board approves grant assistance for the project(s), the Recreation and Conservation Office will pay us on only a reimbursement basis, except for a specially

approved advance payment. We understand reimbursement basis means that we will only request payment from the Recreation and Conservation Office after we incur eligible and allowable costs and pay them. The Recreation and Conservation Office may also determine an amount of retainage and hold that amount until the project is complete. The Recreation and Conservation Office may approve advance payments in limited circumstances, pursuant to WAC 420-12-060 and the policy outlined in *Manual 8, Reimbursements*.

5. [*Acquisition Projects Only*] We acknowledge that any property acquired with grant assistance be dedicated for salmon recovery purposes for perpetuity unless otherwise agreed to by our organization and the Salmon Recovery Funding Board. We agree to dedicate the property in a signed "Deed of Right to Use Land for Salmon Recovery Purposes" for fee acquisitions, or an "Assignment of Rights" for conservation easement acquisitions, to be recorded on the title of the property with the county auditor.
6. [*Acquisition Projects Only*] We acknowledge that any property acquired in fee title must be accessible to the public unless the Recreation and Conservation Office Director or the Salmon Recovery Funding Board agrees to other restrictions.
7. [*Restoration Projects Only*] We acknowledge that any property restored be maintained for a period of ten years after the project is complete unless otherwise provided and agreed to by our organization and the Salmon Recovery Funding Board.
8. This application authorization becomes part of a formal application to the Salmon Recovery Funding Board for grant assistance.

Signed and approved by the following authorized representative:

Signed DocuSigned by: 207AF316BF0B4B6... Date 2/22/2022

Josh Baldi
Director, Water and Land Resources Division

King County Grant Alert

Department DNRP
Division WLRD
Program Rural and Regional Services Section
Contact Denise Di Santo
Phone 206-263-0259

Lower Miller Floodplain Restoration

Preliminary Project Title

REVIEW/APPROVAL

	Date Rec'vd	Date Appr'vd	Initials
Dept		2/22/2022	DS
Budget			
PSB Control No.			

BASIC GRANT INFORMATION

Grantor
WA Recreation and Conservation Office (RCO) Salmon Recovery Funding Board PSAR

Application Due Date
February 28, 2022

Date Award to be Announced
July 1, 2022

Grantor's Statement of Intent in Letting Grant Proposal
To support on-the-ground protection and restoration of habitat to benefit ESA listed salmonid species. These activities are aimed at increasing the amount and overall health of the places salmon live, which increase the number of salmon.

Potential King County Budget Impact

	2021	2022	2023	2024	2025
Potential Award Amount:			$ 150,000		
Required General Fund Match:					
Required Other Match:					
Total Potential Value:	$ -	$ -	$ 150,000	$ -	$ -
% of Fund Appropriation:	0.0%	0.0%	0.0%	0.0%	0.0%
Possible FTE Additions:					

Award Maximums: $ 150,000
Range of Years Covered: 2023-2026

Does this grant replace currently appropriated funds?
[ ] YES [X] NO
If yes, amount displaced:
Source of displace funds:

PRELIMINARY DESCRIPTION OF KING COUNTY PROPOSAL

The Lower Miller Floodplain Restoration project will lead to the preservation of critical habitat and processes that protect local and downstream salmonids, enhancement of up to 5.5 miles of edge habitat, reconnection of up to 80 acres of floodplain and off-channel habitat, and reduction in flood risks. King County has completed a feasibility study to determine if a viable project exists, and based on a positive study is seeking $150,000 of RCO funds to complete the alternatives analysis and preliminary design of the Lower Miller Floodplain Restoration Project. If ERES staffing is available the design work would be completed in house. The Alternatives Analysis will engage relevant stakeholders to identify a preferred alternative, including BNSF, utility companies, KC Roads, RFMS and the Tulalip Tribes. The grant award is likely because it is identified a one of the highest priority subbasin for restoration in the Snohomish River Basin Salmon Recovery Plan.

Future Funding Liabilities (including sun-setting costs, if applicable - see instructions):

EXISTING POLICY/PLAN ENABLING THIS GRANT

This project supports the Snohomish River Basin Salmon Conservation Plan and the King County Flood Hazard Management Plan.

REQUIRED KING COUNTY COUNCIL ACTION, IF APPLICABLE

[ ] Implementation of this grant will require execution of an Interlocal Agreement. A transmittal of proposed legislation is forthcoming.
[ ] Either the application or implementation would benefit from King County Council pre-authorization. A transmittal of proposed legislation is forthcoming.

KING COUNTY FLOOD CONTROL ZONE DISTRICT NOTIFICATION

[ ] A copy of this grant alert has been provided to the King County Flood Control Zone District's Executive Committee and Executive Director.

WASHINGTON STATE Recreation and Conservation Office

Project Application Report

PROJECT: 22-1149 PLAN, LOWER MILLER FLOODPLAIN RESTORATION DESIGN

Sponsor: King County of Program: Salmon State Projects Status: Preapplication

Parties to the Agreement

PRIMARY SPONSOR

King County
Address 201 S Jackson St Ste 503
City Seattle **State** WA **Zip** 98104
Org Type County
Vendor # SWV0000320-12
UBI
Date Org created
Org Notes

link to Organization profile
☐ Org data updated

SECONDARY SPONSORS

No records to display

LEAD ENTITY

Snohomish Basin LE

QUESTIONS

#1: List project partners and their role and contribution to the project.

Todd Hurley, Project Manager
Denise Di Santo, Project Sponsor
King County Rivers and Floodplain Management Section staff
TBD
King County Roads Staff TBD

External Systems

SPONSOR ASSIGNED INFO

Sponsor-Assigned Project Number

Sponsor-Assigned Regions South Fork Skykomish watershed

EXTERNAL SYSTEM REFERENCE

Source	Project Number	Submitter
HWS	22-1149	AlexaR

Project Application Report - 22-1149

Project Contacts

Contact Name Primary Org	Project Role	Work Phone	Work Email
Sandy Dotts Rec. and Conserv. Office	Project Manager	(360) 628-9487	sandra.dotts@rco.wa.gov
Denise Di Santo King Co Water & Land Res	Project Contact		ddisanto@kingcounty.gov
Amee Bahr Rec. and Conserv. Office	Alt Project Contact	(360) 867-8585	Amee.Bahr@rco.wa.gov
Gretchen Glaub Snohomish Basin LE	Lead Entity Contact	(425) 388-6403	Gretchen.Glaub@co.snohomish.wa.us

Worksites & Properties

#	Worksite Name
#1	Lower Miller R confluence with S F Skykomish R

Planning	Property Name

Project Application Report - 22-1149

Worksite Map & Description

Worksite #1: Lower Miller R confluence with S F Skykomish R

WORKSITE ADDRESS

Street Address Cascade Highway and Miller River Road
City, State, Zip Skykomish WA 98288

Worksite Details

Worksite #1: Lower Miller R confluence with S F Skykomish R

SITE ACCESS DIRECTIONS

From Town of Skykomish, drive 2.8 miles west on NE Old Cascade Highway and turn left to continue for one mile.

TARGETED ESU SPECIES

Species by ESU	Egg Present	Juvenile Present	Adult Present	Population Trend
Chinook-Puget Sound, Skykomish River, Threatened	✓	✓	✓	
Coho-Puget Sound/Strait of Georgia, Species of Concern	✓	✓	✓	
Chum-Puget Sound/Strait of Georgia, Not Warranted	✓	✓	✓	
Pink-Odd Year, Not Warranted	✓	✓	✓	
Steelhead-Puget Sound, Threatened	✓	✓	✓	

Reference or source used

WDFW SalmonScape

TARGETED NON-ESU SPECIES

Species by Non-ESU		Notes
Bull Trout	Egg, Juvenile, Adult Presence	
Searun Cutthroat		
Rainbow	Egg, Juvenile, Adult Presence	

Questions

#1: Give street address or road name and mile post for this worksite if available.

NE Old Cascade Highway at avulsion site

Project Location

RELATED PROJECTS

Project Application Report - 22-1149

Projects in PRISM

PRISM Number	Project Name	Current Status	Relationship Type	Notes
No related project selected				

Related Project Notes

Questions

#1: Project location. Describe the geographic location, water bodies, and the location of the project in the watershed, i.e. nearshore, tributary, main-stem, off-channel, etc.

The project site is located within the lower 2 miles of the Miller River to the confluence of the South Fork Skykomish River. It is approximately 1.5 miles west northwest of the town of Skykomish, in unincorporated King County. This is main stem headwaters river habitat.

#2: How does this project fit within your regional recovery plan and/or local lead entity's strategy to restore or protect salmonid habitat? Cite section and page number.

The 2005 Snohomish River Basin Salmon Conservation Plan (Salmon Plan) and local lead entity's recovery strategy indicate this project is a high priority. Specifically :

• the project will help to restore and preserve habitat and processes that support local and downstream fish populations (Salmon Plan, pg. 11-78), by removing bank armoring, reconnecting floodplain habitat, and restoring riparian areas;
• the 2015 Snohomish Basin Protection Plan, an addendum to the Salmon Plan, specifically calls for partners to 'improve and relocate bridges, roads, and railways to improve hydrologic conditions' in the South Fork Skykomish watershed (Table 3, Appendix A, pg. A-17);
• the 2017 Climate Change Impacts to Salmon Issue Paper calls for the reconnection of floodplains to help address climate impacts to hydrology and water temperature, specifically in headwaters as they are critical for providing cool, plentiful water (Table 2, pg. 22);
• this project is a priority project on the Snoqualmie Watershed Forum's 10-Year Project List;
• a significant portion of the project is located in the 100-year floodplain of the Skykomish River, which is considered to be the highest priority for recovery (Mainstem Primary Restoration); and
• a significant portion of the Skykomish salmon population pass above Sunset Falls, a natural anadromous barrier on the South Fork Skykomish River that historically prevented spawning above it. A trap-and-haul facility, operated since 1958, allows fish to use the large amount of high-quality spawning and rearing habitat above the falls. This passage program is critical to the Skykomish River population; in low escapement years, most of the returning Chinook salmon in the Skykomish system spawn above the falls. The Salmon Plan is a multi-species plan.

Key partners and studies have also called attention to the importance of this project, including:

• the 2013 Restoration Opportunity Report for the SF Skykomish River Basin (prepared by Herrera Consultants for King County) details that the Miller River Alluvial Fan has significant ecological lift potential. The land needed to construct the restoration project is largely in public hands, with investment by county acquisitions, simplifying implementation; and
• the US Forest Service identified the lower reach of Miller River as an area of concern due to impairment of channel processes, with designated floodplain restoration as a high priority within the Skykomish River watershed (USFS 2009).

#3: Is this project part of a larger overall project?

Yes

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#3a: How does this project fit into the sequencing of the larger project?

A project feasibility study has been completed. This project phase will conduct an alternatives analysis and produce preliminary design.

#4: Is the project on State Owned Aquatic Lands? Please contact the Washington State Department of Natural Resources to make a determination. **Aquatic Districts and Managers**

No

Property Details

Properties for this program and project type are optional.

Project Proposal

Project Description

Removal of approximately 1000 feet of existing flood control facilities from the left bank floodplain; removal or reconfiguration of up to 400 feet of right bank flood control facilities, to include invasive plant species removal and plantings, potentially in channel wood placement. This funding request would support preliminary design phase and alternatives analysis.

Project Questions

#1: Problem statement. What are the problems your project seeks to address? Include the source and scale of each problem. Describe the site, reach, and watershed conditions. Describe how those conditions impact salmon populations. Include current and historic factors important to understand the problems.

The Miller River is a tributary to the South Fork with a confluence a few miles west of the Town of Skykomish. The alluvial fan is particularly dynamic due to the sharp break in along channel slope at the confluence, which causes increased sediment deposition. There are a large number of human modifications on the alluvial fan due to the presence of a County road and the BNSF railway.
Most of the lower portions of the Miller River are still recovering from historical human activities (i.e., logging and mining in the nineteenth and twentieth centuries). Ongoing significant alterations to river geomorphology and floodplain process are occurring in the alluvial fan area. These floodplain alterations, including transportation infrastructure and flood protection facilities, have disconnected a significant amount of floodplain habitat from natural interaction with river flows. Other areas of development have altered floodplain habitat through addition of fill and removal of riparian vegetation. The areas affected most by these geomorphic modifications are side channels and off-channel habitats in the lower portion of the alluvial fan, including overflow channels and wetland habitats.

Overall, the lower Miller River is very productive habitat within the South Fork Skykomish River Basin for fish. Large runs of salmonids have historically been observed at the mouth of the alluvial fan (see Appendix E of the Restoration Opportunity Report for the SF Skykomish). Habitat diversity and side channels provide rearing and potential spawning habitat for all salmonids in the project area. The alluvial fan provides an influx of cold water, nutrients, sediment, and potential food sources that attract fish. It further provides hydrologic and other ecological benefits to downstream salmon populations.

The problem for salmon populations is that existing infrastructure degrades and poses risks to this vital habitat. There is also an immediate opportunity to permanently protect and enhance this habitat by restoring key elements. Existing infrastructure in the river's floodplain – such as the 1,400 feet of revetment, the Old Cascade Highway Bridge, culvert, overhead utilities, railroad bridge and trestle, and roads – cumulatively degrade hydrologic function, sediment transport processes, and instream habitat structure. Many of these structures also pose risks to salmonids, fish habitat, and public safety during flood events. Bank armoring confines rivers and disconnects them from off-channel habitat, reducing edge habitat complexity, habitat-forming processes, and increasing peak flows downstream. These physical constraints have impacted the quantity and quality of salmon spawning habitat in the lower river, including areas suitable for redd construction and holding habitat (e.g., pools), and rearing and foraging habitat for adult and sub-adult bull trout. Invasive species also dominate some riparian areas in the project's footprint, reducing the potential for shade creation and large wood debris recruitment that would likely occur in a forested landscape.

Appendix E of Lower Miller Feasibility Report:
https://www.govlink.org/watersheds/7/pdf/skykomish_pdfs/Restoration_Opportunity_Report_SF_Skykomish_April_2013_Appx_E.pdf

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#2: Describe the limiting factors, and/or ecological concerns, and limiting life stages (by fish species) that your project expects to address.

Reduction in quantity and quality of rearing habitat has been identified as a primary factor limiting salmon production in the Snohomish basin, which includes the South Fork and the Miller River (Haring 2002). The Miller River fan is located in a "primary restoration" subbasin as designated by the Snohomish River Basin Salmon Conservation Plan, which means it is one of the highest priority subbasins for restoration action (Salmon Plan, 2005). These primary restoration subbasins currently have high priority habitat restoration targets for the King County portion of WRIA 7, including 80 acres of restored off-channel habitat and 5.5 miles of restored edge habitat (King County 2011). In addition, the Forest Service has identified the lower reach of Miller River as an area of concern due to impairment of channel processes and has designated floodplain restoration here as a high priority within the Skykomish River Watershed (USFS 2009).

At the time of writing the Salmon Plan, the Skykomish average Chinook escapement – or number of fish returning to spawn – for the basin's natural origin fish was estimated to be about 3.4% of historic abundance. As of 2018, abundance estimates remain historically low, and most of the Snohomish River escapement increases over recent years can be attributed to gains by the Skykomish River population (Snohomish River Basin Salmon Conservation Plan: Status and Trends, 2019). As such, preserving intact, upstream habitats on the Skykomish River continues to a central component of the overall recovery strategy for the basin.

Referenced documents for Project Questions section:
• 2005 Snohomish River Basin Salmon Conservation Plan:
https://www.govlink.org/watersheds/7/pdf/WRIA%207_Plan/Final_Compiled_Plan.pdf
• 2013 Restoration Opportunity Report: South Fork Skykomish River Basin Restoration Feasibility Project:
https://www.govlink.org/watersheds/7/pdf/skykomish_pdfs/Restoration_Opportunity_Report_SF_Skykomish_April_2013_Report_Body_Only.pdf
• 2015 Snohomish Basin Protection Plan: https://www.govlink.org/watersheds/7/plans-studies/SBPP.aspx
• 2017 WRIA 7 Climate Change Impacts to Salmon Issue Paper:
https://www.govlink.org/watersheds/7/pdf/SnohomishClimatePaper/ClimatePaper2017.pdf
• 2019 Snohomish River Basin Salmon Conservation Plan: Status and Trends Report:
https://www.govlink.org/watersheds/watersheds/7/pdf/Snohomish%20Status%20and%20Trends%20Report/SnohomishBasin10YearReport_2019-12-30_reduced.pdf

#3: What are the project goals? The goal of the project should be to solve identified problems by addressing the root causes. Then clearly state the desired future condition. Include which species and life stages will benefit from the outcome, and the time of year the benefits will be realized. **Example Goals and Objectives**

The overarching problem is that existing infrastructure (bridges, culvert, revetments, roads) poses risks for historically productive Chinook salmon habitat and is degrading habitat and ecological processes for local and downstream fish populations. The desired future condition of the project is one where intact habitat is protected, the lower Miller River is reconnected with its floodplain, and flood risks are significantly reduced.

As noted, the areas affected most by these geomorphic modifications are side channels and off-channel habitats in the lower portion of the alluvial fan, including overflow channels and wetland habitats. These habitat types are shown to be critical for various life stages and species of salmonids: juvenile fish rely on off-channel wetlands and shallow backwater areas for rearing habitat (foraging, high water refugia, and protection from predators); steelhead and coho frequently spawn in side channels and lower reaches of small tributaries; and juvenile salmonids rely on high quality edge habitat (dense vegetation and in-channel wood) for cover and protection from predators and high water velocities (King County 2011; Beamer 2010; Lestelle et al. 2005). Intact, native riparian vegetation is a critical component of high quality habitat for all species of salmonids, providing essential cover, habitat for invertebrate prey, water temperature moderation, large woody debris recruitment potential, and input of nutrients (Gregory et al. 1991).

#4: What are the project objectives? Objectives support and refine biological goals, breaking them down into smaller steps. Objectives are specific, quantifiable actions the project will complete to achieve the stated goal. Each objective should be SMART (Specific, Measurable, Achievable, Relevant, and Time-bound). **Example Goals and Objectives**

Areas where tributaries converge with river floodplains provide particularly important habitat functions for salmonids, including high flow refugia at flood flows, thermal refugia during summer months, and areas of oxygen-rich, cold water sought by spawning adults (USFWS 2008; Pratt 1992). This is particularly important for bull trout and steelhead (USFWS 2008; Pratt 1992).

It is important to note that many of the habitat improvements that are needed would quickly develop following the completion of construction (i.e., demolition of existing infrastructure). On the Miller River Fan, the geomorphic response is rapid and would likely expand the number and size of channel features increasing habitat area further in the future.

The project seeks to achieve desired conditions by:
• removing up to 1400 feet of revetment from the left bank of the river, restoring up to 5.5 miles of contiguous edge habitat;
• reconnection of up to 80 acres of off-channel habitat;
• restoring riparian areas through invasive species management and planting, large wood placement grading for floodplain connection;
• removal of decrepit infrastructure that is located in the 100-year floodplain of the Skykomish River, including the Old Cascade Highway Bridge and a 20-foot wide culvert; and
• reducing flood risk by relocating utilities and improving setback protection for selected parcels.

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#5: Scope of work and deliverables. Provide a detailed description of each project task/element. With each task/element, identify who will be responsible for each, what the deliverables will be, and the schedule for completion.

#6: What are the assumptions and physical constraints that could impact whether you achieve your objectives? Assumptions and constrains are external conditions that are not under the direct control of the project, but directly impact the outcome of the project. These may include ecological and geomorphic factors, land use constraints, public acceptance of the project, delays, or other factors. How will you address these issues if they arise?

EXPAND HERE~~~
Project Assumptions
Project Constraints

#7: How have lessons learned from completed projects or monitoring studies informed this project?

The Ecological Restoration and Engineering Services Unit (ERES) has been designing, permitting, implementing and monitoring habitat restoration projects on King County rivers, creeks and shorelines for almost 30 years.
EXPAND HERE ~~~ALSO SEE Q 11 BELOW
Similar projects such as Upper Carlson, Chinook Bend, Tolt-MacDonald, Camp Gilead... lessons learned from floodplain reconnection projects~~

#8: Describe the alternatives considered and why the preferred was chosen.

EXPAND HERE ~~~
This project will conduct a project alternatives analysis.

#9: How were stakeholders consulted in the development of this project? Identify the stakeholders, their concerns or feedback, and how those concerns were addressed.

Internal stakeholders of this project include King County Rivers and Floodplain Management Section (RFMS) of Water and Land Resources Division and KC Roads (Roads) within Department of Local Services. RFMS has been involved early in the discussion of the potential and feasibility to remove flood control facilities in the vicinity and within the project footprint. Roads has provided status of their roads removal and upgrades projects in the area, along with correspondence with BNSF. The project team has engaged with external parties as well. We have presented the project to the WRIA 7 Snohomish River Basin Technical Committee. In addition, we have reached out and received comments from Mayor of Skykomish. As the project proceeds, we will continue to engage with internal and external stakeholders, including Skykomish area residents, utility companies operating in the area, and BNSF.

#10: Does your project address or accommodate the anticipated effects of climate change?

Yes

#10a: How will your project be climate resilient given future conditions?

Reducing constrictions within the floodplain at the confluence of the Miller and South Fork Skykomish Rivers will create conditions more conducive to responding to changing flow regimes under hydroclimatic change.

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#10b: How will your project increase habitat and species adaptability?

The Salmon Plan identified recovery actions that address viable salmonid population (VSP) criteria. However, climate impacts will directly affect these VSP criteria. For instance, water temperatures across the basin will likely increase, making some areas inhospitable to salmon, and causing dire conditions for unique life history types such as yearling Chinook. Climate impacts could potentially decrease suitable summer habitat, impacting the spatial diversity in the system, or increased winter scouring could affect population abundance and ultimately productivity.

The Lower Miller Floodplain Restoration project will help mitigate these impacts by protecting and enhancing a critical source of cool and plentiful water. Investing in headwaters now to protect and restore processes that will increase water storage and reduce water temperatures will be critical in our efforts to help salmon populations and local ecosystems adapt to climate change impacts.

#11: Describe the sponsor's experience managing this type of project. Describe other projects where the sponsor has successfully used a similar approach.

#12: Will veterans (including the veterans conservation corps) be involved in the project? If yes, please describe.

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Planning Supplemental

#1: Is the project an assessment / inventory?
No

#2: Is your project a Barrier / Screening Diversion Inventory Project?
No

#3: Is this a fish passage design / screening design project?
No

#4: Will the project develop a design?
Yes

#4a: Will a licensed professional engineer design of the project?
Yes

#4b: Will you apply for permits as part of the project scope?

Permits will not be sought during this project phase.

Planning Metrics

Worksite: Lower Miller R confluence with S F Skykomish R (#1)

Area Encompassed (acres) (B.0.b.1)	
Miles of Stream and/or Shoreline Affected (B.0.b.2)	

DESIGN FOR SALMON RESTORATION

Preliminary design (B.1.b.11.a RCO)

Total cost for Preliminary design	$249,000
Project Identified in a Plan or Watershed Assessment. (1220) (B.1.b.11.a)	
Priority in Recovery Plan (1222) (B.1.b.11.b)	

Overall Project Metrics

COMPLETION DATE

Projected date of completion	06/30/2025

Planning Cost Estimates

Worksite #1: Lower Miller R confluence with S F Skykomish R

Category	Work Type	Estimated Cost	Note
Design for Salmon restoration	Preliminary design (B.1.b.11.a RCO)	$249,000	
	Subtotal:	$249,000	
	Total Estimate For Worksite:	$249,000	

Summary

Total Estimated Costs:	$249,000
Total Estimated Planning Costs:	$249,000

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Cost Summary

	Estimated Cost	Project %	Admin/AA&E %
Planning Costs			
Planning	$249,000		
SUBTOTAL	$249,000	100.00 %	
Total Cost Estimate	$249,000	100.00 %	

Funding Request and Match

FUNDING PROGRAM

Salmon State Projects	$150,000	60.24 %

SPONSOR MATCH

Other Monetary Funding	Appropriation - Local		
Amount			$99,000.00
		Note: $99,000	
Funding Organization			King County Surface Water Management
	Match Total:	$99,000	39.76 %
	Total Funding Request (Funding + Match):	$249,000	100.00 %

Questions

#1: Explain how you determined the cost estimates

The cost estimates are based on past projects for this project phase. We are also expecting additional funding from local sources through the next biennium (2023-24) to supplement this budget for this project phase.

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Cultural Resources

Worksite #1: Lower Miller R confluence with S F Skykomish R

#1: Describe any planned ground disturbing pre-construction/restoration work. This includes geo-technical investigation, fencing, demolition, decommissioning roads, etc.

potential

#2: Describe the existing project area conditions. The description should include existing conditions, current and historic land uses and previous excavation/fill (if depths and extent is known, please describe).

#3: Will a federal permit be required to complete the scope of work on the project areas located within this worksite?

No

#4: Are you utilizing Federal Funding to complete the scope of work? This includes funds that are being shown as match or not.

No

#5: Do you have knowledge of any previous cultural resource review within the project boundaries during the past 10 years?

Yes

#5a: Summarize the previous cultural resource review; including lead agency and date of review, reference name and numbers, etc. If RCO, include the prior phase grant number. NOTE: Do not provide any site-specific information considered confidential. Attach previous surveys or other reference documents.

KC Roads

#6: Are there any structures over 45 years of age within this worksite? This includes structures such as buildings, tidegates, dikes, residential structures, bridges, rail grades, park infrastructure, etc.

Yes

#6a: List the structure(s) and the properties that they are located within the project area. Identify which structures will be removed or altered as part of this proposal. Attach at least one photo of each structure. The photo must be labeled so that the structure may be geographically located within your project area.

Roads
BNSF
Rivers revetments and flood facilities
Utilities?

Project Permits

Permits and Reviews	Issuing Organization	Applied Date	Received Date	Expiration Date	Permit #

No permit data available.

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Attachments

No attachments available

Required Attachments	**0 out of 6 done**
Applicant Resolution/Authorizations	
Cost Estimate	
Landowner acknowledgement form	
Map: Planning Area	
Photo	
RCO Fiscal Data Collection Sheet	

Application Status

Application Due Date: 06/27/2022

Status Name	Status Date	Submitted By	Submission Notes
Preapplication	01/28/2022		

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.

Date of last change: 02/18/2022