PROJECT: 24-1071 PLAN, MILL CREEK GEOMORPHIC ASSESSMENT AND STRATEGIC PLA

Sponsor: Fish & Wildlife Dept of Program: Salmon State Projects Status: Preapplication

Parties to the Agreement

PRIMARY SPONSOR

Department of Fish and Wildlife
Address PO Box 43135
City Olympia **State** WA **Zip** 98504-3135
Org Type State Agency
Vendor # SWV0007529-00
UBI
Date Org created
Org Notes

link to Organization profile
☐ Org data updated

SECONDARY SPONSORS

Confederated Tribes of the Umatilla Indian Reservation
Address 46411 Timine Way
City Pendleton **State** OR **Zip** 97801-9467
Org Type Native American Tribe
Vendor # SWV0015803-01
UBI
Date Org created
Org Notes

link to Organization profile
☐ Org data updated

MANAGING AGENCY

Recreation and Conservation Office

LEAD ENTITY

Snake River Salmon Rec Bd LE

QUESTIONS

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

The Assessment will be coordinated through the Mill Creek Work Group MCWG. The work group includes CTUIR, USACE, NOAA, USFWS, WDOE, WDFW, Walla Walla County, City of Walla Walla, Tri-State Steeheaders (RFEG), Walla Walla County Conservation District, Snake River SRB, and landowners. These partners will provide technical assistance and professional knowledge to develop an assessment and action plan for Mill Creek Watershed Restoration efforts.

External Systems

SPONSOR ASSIGNED INFO

Sponsor-Assigned Project Number

Sponsor-Assigned Regions

EXTERNAL SYSTEM REFERENCE

Source	Project Number	Submitter
HWS	PPFL24_009	SRPEditUser

Project Contacts

Contact Name Primary Org	Project Role	Work Phone	Work Email
Kendall Kohler Rec. and Conserv. Office	Project Manager	(360) 764-9086	Kendall.Kohler@rco.wa.gov
David Karl Fish & Wildlife Dept of	Project Contact	(509) 520-8973	David.Karl@dfw.wa.gov
Ali Fitzgerald Snake River Salmon Rec Bd LE	Lead Entity Contact	(509) 382-4115	ali@snakeriverboard.org
Ethan Green Umatilla Confederated Tribes	Secondary Sponsor Contac	(541) 429-7555	ethangreen@ctuir.org

Worksites & Properties

#	Worksite Name
#1	Mill Creek, including tributaries and distributari

Planning	Property Name

Worksite Map & Description

Worksite #1: Mill Creek, including tributaries and distributari

WORKSITE ADDRESS

Street Address

City, State, Zip

Worksite Details

Worksite #1: Mill Creek, including tributaries and distributari

SITE ACCESS DIRECTIONS

Mill Creek is located in SE Washington and NE Oregon. The project encompasses the watershed, we hope to include most of the upper watershed, which is the Walla Walla source of freshwater.

TARGETED ESU SPECIES

Species by ESU	Egg Present	Juvenile Present	Adult Present	Population Trend
Steelhead-Middle Columbia River, Touchet River, Threatened	✓	✓	✓	Unknown
Chinook-Middle Columbia River Spring, Not Warranted	✓	✓	✓	Unknown

Reference or source used

Mill Creek has impacted populations of Mid C Steelhead and Bull Trout. Additionally, CTUIR has re-introduced Spring Chinook that were extirpated from the basin in the 1920's.

TARGETED NON-ESU SPECIES

Species by Non-ESU	Notes
Brook Trout	Bull Trout are ESA Threatened in the Mill Creek watershed. The population is declining.

Questions

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

NA

Project Location

RELATED PROJECTS

Projects in PRISM

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

Related Project Notes

Assessments and Strategic action plans have been completed for Tucannon, Touchet, Asotin Watersheds, and is currently being done for the Walla Walla Watershed.

Questions

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

Mill Creek is a tributary of the Walla Walla River, located NE of the Walla Walla River and originates in the Blue Mountains and drains through Oregon and Washington to its confluence with the Walla Walla River just downstream from Swegle Rd.

#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.

Mill Creek has been managed as a protection reach in the past due to a Flood Control Channel that created a large fish passage barrier in the lower reach. Efforts to fix the fish barrier have been made and Mill Creek has now been designated a Restoration Reach. The assessment is an effort to understand limiting factors in the Mill Creek Basin and develop an action plan so that restoration efforts are efficient in time and costs.

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

Yes

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

Fish Passage Projects have been completed to open up access to 50 miles of upper Mill Creek habitat that is suitable for Mid-C STH (listed) and Chinook (Reintroduced) and Bull Trout. Bull Trout have a migratory population that is important for a stable population.

#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

Project summary for 'Mill Creek Geomorphic Assessment and Strategic Plan'. Contract with an environmental consultant to develop, in collaboration with Tribal, State, Federal, and local agencies, and other stakeholders, a scientifically defensible aquatic based, and strategic habitat restoration plan founded on a watershed-scale geomorphic, hydrologic and biological assessment of historical, current and desired conditions in the Mill Creek Watershed. The Project focuses on 40 miles of headwater stream that has Mid-C Steelhead and Bull Trout. The Umatilla Tribe has also started to re-introduce Spring Chinook to the basin. The Assessment and action plan will provide information and prioritize project efforts for salmon recovery restoration in Mill Creek.

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.

This project is to support the most scientifically robust, efficient, and effective approach to protect, enhance, and restore functional floodplains that support and sustain healthy aquatic habitat conditions and fish populations. The focal fish species of the assessment and action plan include: 1. Middle Columbia River summer steelhead (ESA-listed Threatened) 2. Columbia River bull trout (ESA-listed Threatened) 3. Spring Chinook salmon 4. Pacific lamprey This project will identify (1) the current and historical functioning of natural geomorphic and hydrologic processes that are linked to focal species habitat; (2) the effect of current land use on the function on those natural processes and their influence on the production of focal species; (3) quantitative prioritization of geographic areas according to the potential for restoration and conservation of watershed/floodplain processes that support focal species habitat; and (4) itemized restorative actions that may be applied to restore watershed processes and achieve multi species uplift.

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

The proposed assessment is intended to improve our understanding of the limiting factors, state of ecological function in the Mill Creek Basin, and limiting life stages for target species. The information and data collected will be used to establish a strategic plan for a coordinated and process-based river floodplain restoration effort. The action plan will be based upon watershed-specific data and its analysis with input coordination from partners in the watershed. A defensible approach will require the assessment of land use, land cover, vegetation, aquatic biotic communities, geomorphic and hydrologic processes, and hydrologic conditions to prioritize geographic areas and prioritized restoration actions. This will be a collaborative process with the WDFW, CTUIR, NOAA, USFWS, USACE, WDOE and several other partners and stakeholders, so frequent and open communications will be a key to project success. In Mill Creek, the main limiting factors are believed to be water quality and temperature, flow, habitat diversity, channel stability, high stream power, and floodplain connection. Secondary limiting factors include riparian and riparian wetland loss and decreased large wood recruitment, and a lack of key off channel habitat. The impacts of these limiting factors affect all life stages of the target species (ESA Threatened Steelhead and Bull trout and re-introduced Spring Chinook) in Mill Creek.

#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**

River and Floodplain habitat condition and function have been degraded through much of the watershed area that will be included in this assessment. River channel complexity has been reduced through past channel management including channel confinement, removal of snags and clearing of riparian. Residential development, recreational and agricultural use in the floodplain has increased channel confinement and stream power. This project will provide quantifiable information on the extent of habitat restoration needs and options within the watershed so that restoration dollars can be directed toward priority projects. Having a defensible assessment and prioritized action plan will allow restoration partners in Mill Creek to direct future funding to ensure high priority projects are implemented.

#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**

The project objective is to hire an environmental consultant to develop a scientific defensible and well-coordinated assessment and action plan to prioritize restoration efforts in the Mill Creek Watershed. The assessment and action plan objectives will be to improve our scientific understanding so that restoration efforts in Mill Creek are more accountable and competitive for future funding, and so that the funded restoration efforts are more effective and efficient.

#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.

The physical and biological assessment of the Mill Creek study area will be process-focused (generally following guidance of Booth et al. 2016, Beechie et al. 2008, Beechie et al. 2013, Devries et al. 2015, Palmer et al. 2005, Roni et al. 2017, Wohl et al. 2005), with the data collected and analyses conducted to informing restoration priorities to restore watershed processes that support multi-species benefit for the four focal species of the assessment and action plan:

1. Middle Columbia River summer steelhead (ESA-listed Threatened)
2. Columbia River bull trout (ESA-listed Threatened)
3. Spring Chinook salmon
4. Pacific lamprey

This project will identify (1) the current and historical functioning of natural geomorphic and hydrologic processes that are linked to focal species habitat, as organized by the CTUIR River Vision (Jones et al. 2008) and Snake Region Salmon Recovery Plan, 2005. (2) the effect of current land use on the function on those natural processes and their influence on the production of focal species; (3) quantitative prioritization of geographic areas according to the potential for restoration and conservation of watershed processes that support focal species habitat; and (4) itemized restorative actions that may be applied to each geographic area to aid in restoration of watershed processes and achieve multispecies uplift.

The final document will establish a strategic approach to watershed process restoration based upon watershed-specific data and its analysis with input from interested stakeholders for the watershed. A defensible approach will require the assessment of land use, land cover, vegetation, aquatic biotic communities, geomorphic and hydrologic processes and conditions to prioritize geographic areas and potential restoration actions.The collaborative process will include the CTUIR, Oregon and Washington state agencies, federal agencies, local non-governmental organizations, and private landowners. Frequent 2019 RFP – Upper Walla Walla River Watershed Assessment and Action Plan - Page 8 of 37 and open communication will be critical to project success. The selected contractor will be required to detail progress in their efforts at regular meetings and accept guidance from the CTUIR and stakeholders. The selected contractor will be required to address comments and concerns raised by stakeholders and effectively communicate outcomes. The selected contractor will collaboratively develop a communications plan with the CTUIR prior commencing project work to ensure efficient and effective communication with stakeholders.

#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?

The assessment and data collected will help us identify physical constraints and other external conditions that may affect the proposed action plan. Private landownership requires a lot of effort, in general, for large-scale restoration efforts. The plan is to use the assessment as an opportunity to focus coordination with private landowners, including identifying landowner needs. We feel that by working directly with landowners during this process will help identify win-win solutions that favor both the river health and private landowner concerns.

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

There have been watershed assessments done in many of the rivers and streams in SE WA and we have a few lessons learned. The main lesson is to focus a lot of effort on coordination and out-reach. Assessments that are well coordinated with all partners and stakeholders tend to be more successful.

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

Considering alternatives will be part of the assessment and action plan process.

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

This assessment and action plan will be done through the Mill Creek Work Group that includes WDFW, CTUIR, NOAA, USFWS, USACE, WDOE, Snake River Salmon Recovery Board, Tri-State Steelheaders (RFEG), Walla Walla County, City of Walla Walla, Walla Walla 2050, and local landowners. The focus will be to have several meetings with small groups of landowners that represent identified reaches to refine our restoration approaches to include landowner input and provide landowners with specific information related to their propoerty..

#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?

The upper watershed in the Blue Mountain streams, like Mill Creek, are modeled to be sanctuary reaches for anadromous salmonids. The higher elevation streams will be areas where water temperatures will continue to support salmonids.

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

Floodplain reconnection projects and projects that restore hyporheic exchange will be important to improve water temperature both in summer and winter months for local streams. Floodplain reconnection results in improved riparian condition and shade and hyporheic processes are the complex exchange between surface water and ground water that provide many water quality benefits including nutrient cycling and temperature moderation. The amount of suitable habitat that is available for target species will influence their adaptability to climate change, therefore, restoring the areas that are believed to be critical for climate change, like Upper Mill Creek is a high priority. The restoration will be designed to increase stream length and surface water habitat and habitat diversity that can support multiple life history stages for target species and improve the overall ecosystem.

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

WDFW and CTUIR have been involved in many Geomorphic Assessments in SE WA. CTUIR is currently working on an Upper Walla Walla River Assessment and has collected LiDAR Data that will be used in the Upper Mill Creek Assessment if funded,

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

No

Planning Supplemental

#1: Is the project an assessment / inventory?

Yes

#1a: Describe any previous or ongoing assessment or inventory work in your project's geographic area and how this project will build upon, rather than duplicate, the completed work.

There have been several smaller assessments in Mill Creek. The Lower Mill Creek Assessment, CTUIR 2017, was focused on Lower Mill Creek and flood channel related impacts that include fish passage for anadromous salmonids. The Walla Walla Conservation District completed an assessment of a reach between Wickersham Bridge and Blue Creek that they have used for specific restoration projects in that reach. The proposed assessment will use data that has been collected, identify data gaps, and collect necessary information to establish an assessment for the entire Mill Creek Watershed.

#1b: How does the project fill a data gap, identified as a high priority in your regional recovery plan, that clearly limits subsequent project identification or development?

Upper Mill Creek was designated as a "protection Reach" in the local Salmon Recovery Plan because of a major and complex fish passage barrier associated with a Corps Flood Control Project in lower Mill Creek. This made upper Mill Creek projects less competitive for funding. Efforts have gone on for over a decade to remedy the fish barrier and we are getting close to finishing that work in 2026-27. Mill Creek was recently re-designated as a restoration reach; therefore, the next logical step is to complete a scientific based assessment to gain a better understanding of the watershed and to prioritize future restoration efforts in Mill Creek.

#1c: How does the project fit in the larger context such as its fit with a regional recovery-related, scientific research agenda or workplan - and how will it address the identified high priority data void? Work with your lead entity and region to obtain a letter of support to attach.

An assessment and action plan for Mill Creek fits with the Salmon Recovery Plan and efforts with Walla Walla 2050. WW 2050 creates more funding opportunities for restoration in the Walla Walla River and its tributaries. Having a prioritized approach will make restoration in Mill Creek more competitive, because all of the other major streams/watersheds have completed assessments and prioritized restoration plans.

#1d: Why are SRFB (or PSAR) funds necessary for the project, rather than other sources of funding?

SRFB funding is the main source for funding and coordinating assessments of this nature.

#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?
No

Planning Metrics

Worksite: Mill Creek, including tributaries and distributari (#1)

Area Encompassed (acres) (B.0.b.1)	60,000.0
Miles of Stream and/or Shoreline Affected (B.0.b.2)	45.00

RESTORATION PLANNING AND COORDINATION PROJECT

Conducting habitat restoration scoping and feasibility studies (B.1.b.8)

Total cost for Conducting habitat restoration scoping and feasibility studies	$200,000
Project Identified in a Plan or Watershed Assessment (B.1.b.8.a)	Snake River Salmon Recovery Board (2011 Version) Snake River Salmon Recovery Plan for SE Washington. Dayton, WA. Snake River Salmon Recovery Board (2019 Version) Snake River Salmon Recovery Region Provisional 3-5 Year Work Plan. Dayton, WA.
Priority in Recovery Plan (B.1.b.8.b) (1211)	High
Name and Description of Plan (2299)	Salmon Recovery for SE Washington State

SALMONID HABITAT ASSESSMENT / INVENTORY

Habitat surveys (B.2.d)

Total cost for Habitat surveys	$60,000
Acres of habitat assessed (B.2.d.2)	5,000.0
Amount Of Habitat Assessed That Needed Restoration (B.2.d.3)	500.0
Type of Habitat Assessment (B.2.d.1)	Floodplain mapping Stream typing Upland habitat conditions Wetlands

Landowner willingness inventory

Total cost for Landowner willingness inventory	$39,000
Document Name (1224)	Upper Walla Walla Assessment
Number of landowers contacted	250

AGENCY INDIRECT COSTS

Agency Indirect

Total cost for Agency Indirect	$1,000

Overall Project Metrics

COMPLETION DATE

Projected date of completion	05/15/2027

Planning Cost Estimates

Worksite #1: Mill Creek, including tributaries and distributari

Category	Work Type	Estimated Cost	Note
Agency Indirect Costs	Agency Indirect	$1,000	
Restoration Planning And Coordination Project	Conducting habitat restoration scoping and feasibility studies (B.1.b.8)	$200,000	
Salmonid Habitat Assessment / Inventory	Habitat surveys (B.2.d)	$60,000	
	Landowner willingness inventory	$39,000	
	Subtotal:	$300,000	

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Category	Work Type	Estimated Cost	Note
	Total Estimate For Worksite:	$300,000	

Summary

Total Estimated Costs:	$300,000
Total Estimated Planning Costs:	$300,000

Cost Summary

	Estimated Cost	Project %	Admin/AA&E %
Planning Costs			
Planning	$300,000		
SUBTOTAL	$300,000	100.00 %	
Total Cost Estimate	$300,000	100.00 %	

Funding Request and Match

FUNDING PROGRAM

Salmon State Projects	$255,000	85.000000 ‘

SPONSOR MATCH

Other Monetary Funding	Grant - Federal
Amount	$45,000.00
Funding Organization	Confederated Tribes of the Umatilla Indian Reservation (CTUIR)
Grant Program	BPA

Match Total:	$45,00015.000000 ‘
Total Funding Request (Funding + Match):	$300,000100.000000

Questions

#1: Explain how you determined the cost estimates

Estimate based on past costs for similar planning efforts.

Cultural Resources

Cultural Resource Areas

Worksite #1: Mill Creek, including tributaries and distributari

Area: APE MAP for Mill Creek Geomorphic Assessment

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

None

#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).

Project Area includes Headwater Watershed for city of Walla Walla, portion of headwater channel in Oregon, 37 miles of mainstem Mill Creek down to Flood Control Channel (Walla Walla), Lower Mill Creek downstream from Flood Control Project.

#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.

Yes

#4a: Please list the federal agency and funding sources.

SRFB, BPA

#4b: Does the federal funding you are utilizing as match require you to receive state funding?

No

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

No

#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.

Unknown

Project Permits

Permits and Reviews	Issuing Organization	Applied Date	Received Date	Expiration Date	Permit #
None - No permits Required		02/12/2024	02/12/2024	02/12/2024	

Attachments

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

PHOTOS (JPG, GIF)

Photos (JPG, GIF)

600003

PROJECT DOCUMENTS AND PHOTOS

Project Documents and Photos

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
	03/05/2024	Landowner acknowledgement form	Mill Creek AssessLandownerAckForm (1).docx	DavidK	Mill Creek AssessLandownerAckForm (1).docx, 600005	
	03/05/2024	RCO Fiscal Data Collection Sheet	FiscalDataCollectionSheet.pdf	DavidK	FiscalDataCollectionSheet.pdf, 600004	
	03/05/2024	Photo	MillCreek_2-1024x768.jpg	DavidK	MillCreek_2-1024x768.jpg, 600003	✓
	03/05/2024	Map: Area of Potential Effect (APE)	Mill Creek Map 1.docx	DavidK	Mill Creek Map 1.docx, 599986	✓
	03/05/2024	Map: Planning Area	Mill Creek Assessment and Action.pptx	DavidK	Mill Creek Assessment and Action.pptx, 599983	✓
	03/05/2024	Applicant Resolution/Authorizations	ApplicantAuthorizationResolution.pdf	DavidK	ApplicantAuthorizationResolution.pdf, 599949	✓
	02/12/2024	Cost Estimate	Mill Creek AssessCostEstimate.xlsx	DavidK	Mill Creek AssessCostEstimate.xlsx, 596790	✓

Application Status

Application Due Date: 06/24/2024

Status Name	Status Date	Submitted By	Submission Notes
Preapplication	01/17/2024		

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: 03/08/2024

DESIGN PROJECTS

The costs on this page are for design projects, not for the design phase of a restoration grant.

				OVERALL PROJECT	GRANT REQUEST	MATCH			
				Budget must account for all costs to complete the project	*Enter only the amount of the grant request*	*The Grant Request and Match should equal the total project cost and Budget Check cell should be 0. Sponsors must account for all sources and types of match need to complete the project.*			
				Amount	Grant Amount	Match in PRISM	Funding not reported in PRISM	Source (Grant, Cash, Materials, Labor, Volunteers, etc)	Match Type (federal, state, local)
Design Costs									
Category	Task Description	Qty	Rate						
Data collection	*Existing Data and ID Data Gaps*	**1.00**	$ 20,000.00	$ 20,000	$ -	$ -	$ -		
Assessments (geologic, hydraulic, etc.)	*Modeling Geomorphic Assess*	1.00	$ 140,000.00	$ 140,000	$ -	$ -	$ -		
Survey	*Habitat*	1.00	$ 60,000.00	$ 60,000	$ -	$ -	$ -		
Other	*Meetings Outreach*	1.00	$ 80,000.00	$ 80,000	$ -	$ -	$ -		
			$ -	$ -	$ -	$ -	$ -		
			$ -	$ -	$ -	$ -	$ -		
			$ -	$ -	$ -	$ -	$ -		
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			$ -	$ -	$ -	$ -	$ -		
			$ -	$ -	$ -	$ -	$ -		
			$ -	$ -	$ -	$ -	$ -		
			STotal	**$ 300,000**	**$ -**	**$ -**	**$ -**		
Indirect Costs				Amount	Grant amount	Match in PRISM	Funding not reported in PRISM	Match Source	Match Type (federal, state, local)
	Description	Approved Rate	Total Project Base						
	Indirect	0.000%	$ -	$ -	$ -	$ -	$ -		
	Indirect	0.000%	$ -	$ -	$ -	$ -	$ -		
			STotal	**$ -**	**$ -**	**$ -**	**$ -**		
			Totals	**$ 300,000**	**$ -**	**$ -**	**$ -**		

Landowner Acknowledgement Form

Landowner Information

Name of Landowner:

Landowner Contact Information:

☐ Mr. ☐ Ms. Title:

First Name: Last Name:

Contact Mailing Address:

Contact E-Mail Address:

Property Address or Location:

1. (Landowner or Organization) is the legal owner of property described in this grant application.
2. I am aware that the project is being proposed on my property.
3. If the grant is successfully awarded, I will be contacted and asked to engage in negotiations.
4. My signature does not represent authorization of project implementation.

_____ _____

Landowner Signature Date

Project Sponsor Information

Project Name: Mill Creek Geomorphic Assessment And Action Plan

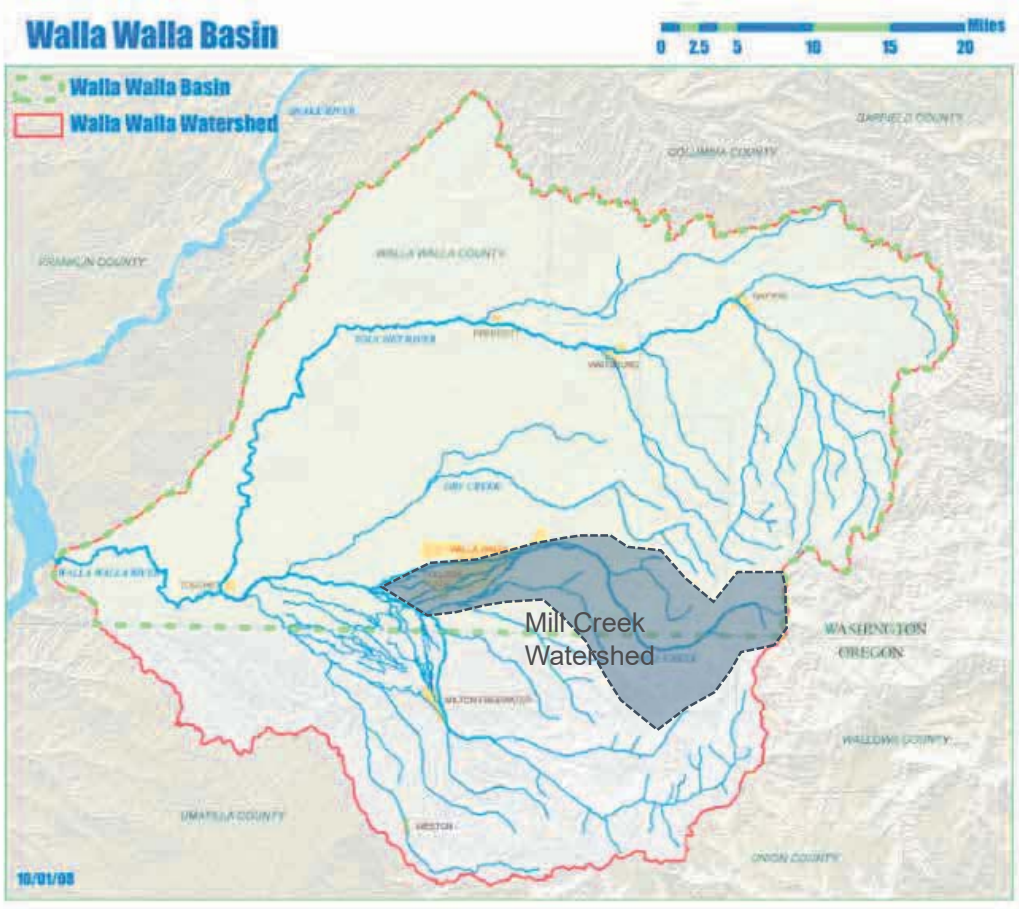
Project Applicant Contact Information:

☒ Mr. ☐ Ms. Title

First Name: David Last Name: Karl

Mailing Address: 1340 N 13th Ave

E-Mail Address: David.Karl@dfw.wa.gov



Mill Creek Geomorphic Assessment & Strategic Action Plan

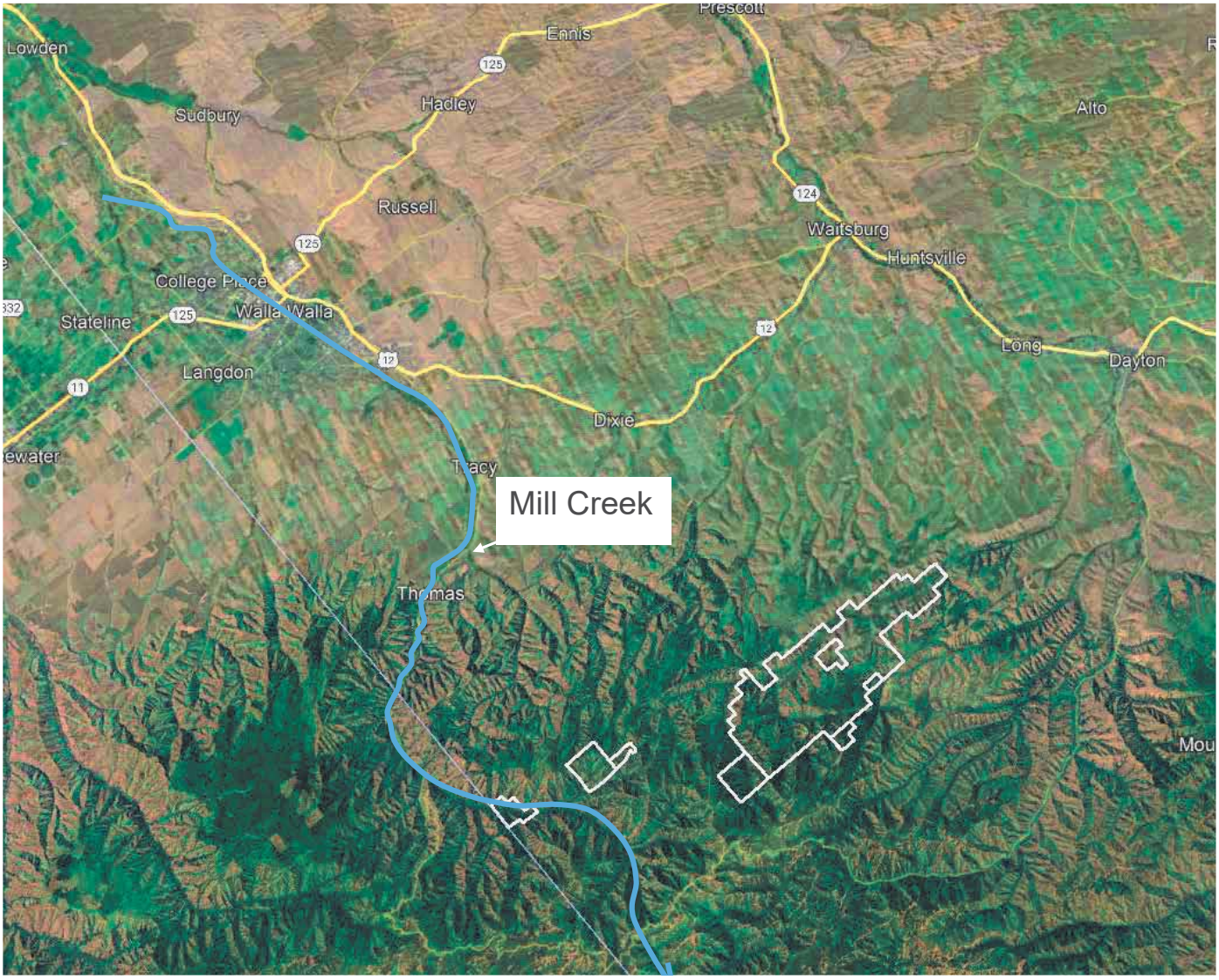
LiDAR : 2017-18 (DNR), 2022 (WW Watershed Council), 2021 (USGS), 2019 Topo-bathymetric (CTUIR), 2021 Topo-bathymetric (CTUIR) , others?

Assessments: Wickersham Bridge to Blue Creek, 2011 (WWCCD & USFS TEAMS), others?

SCOPE OF WORK

1. **Contract with Environmental Consultant.**
2. **Review existing data and identify data gaps.**
3. **Geomorphic Assessment to understand limiting factors and identify priority protection and restoration reaches.**
4. **Outreach with landowners to coordinate geomorphic assessment and understand how landowner needs fit into restoration strategy.**
5. **Develop Strategic Action Plan.**
6. **Complete Geomorphic Assessment and Action Plan**

Plan will be coordinated through the Mill Creek Work Group and


Lowden
Ennis
Prescott
Sudbury
Hadley
Alto
Russell
Waitsburg
Huntsville
College Place
Walla Walla
Stateline
Long
Dayton
Langdon
Dixie
Tracy
Mill Creek
Thomas

Fish & Wildlife Dept of; Mill Creek Geomorphic Assessment and Strategic Pla (#24-1071)

Attachment #600003, MillCreek_2-1024x768.jpg