

Peshastin RM 2.5
Cascade Fisheries
Jason Lundgren
PO Box3162
Wenatchee, WA 98807
PRISM #23-1266R

Anticipated SRFB Request: \$754,500
Anticipated Trib Comm Request: \$350,000
Other Match: \$542,309
Anticipated TOTAL Project Budget: \$1,646,809



May 19

Thursday, ~~March 9~~, 2023

2023 Regional Project Pre-application

2023 Upper Columbia Regional Project Pre-Application

- * Pre-applications due March 10, 2023 (COB)
- * Complete applications due in PRISM April 20, 2023 (COB)
- * Revised proposals due in PRISM May 19, 2023 (COB)
- * Final revised applications due in PRISM June 26, 2023 (noon)

Project Title

Peshastin RM 2.5

Contact Information

Sponsor

Cascade Fisheries

Primary Contact

Jason Lundgren

E-Mail Address

Jason@ccfeg.org

Budget Request

Anticipated Request - SRFB (standard round)

~~350,000~~ **\$754,599**

Anticipated Request - Tributary Committee

350,000

Anticipated Request - BPA Programmatic

0

Anticipated Other Funding

~~0~~ **\$542,309 (PRCC - Secured)**

Anticipated TOTAL Budget

~~700,000~~ **\$1,646,809**

Other Funding Source(s)

\$118,825 from Tributary Committee for design

Project Location

Briefly describe the location of the project

Peshastin Creek RM 2.5 - 3.0

Latitude (decimal degrees)

47.537361

Longitude (decimal degrees)

120.618742

Project subbasin

Wenatchee

Wenatchee Assessment Unit(s)

Lower Peshastin Creek

Entiat Assessment Unit(s)

Methow Assessment Unit(s)

Okanogan Assessment Unit(s)

Please explain why there are multiple subbasins

Reach(es) Name

Peshastin Creek Lower 03

Identify the reach(es) priority/ reach ranking. Note: If the project involves work in multiple reaches, select "Multiple" and include details in the text box that will appear below. Please reference the Prioritization Web Map: <https://prioritization.ucsrb.org/>.

Rank 2

Please detail the reach-ranking of the reaches below

Project Information

1. What are the project objectives? Objectives support and refine biological goals, breaking them down into small 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). Note: This exact question is included in the PRISM application. Example format: The project seeks to address [specify limiting factor(s)] for [limiting life stage(s)] by [specific actions proposed] to create an estimated [include specific target metrics, as described below] upon implementation in [estimated year].

Cascade Fisheries is working with private landowners on Peshastin Creek to increase floodplain engagement and improve instream and riparian habitat. Ecosystem functions and processes are severely impaired in Peshastin Creek and this project provides a great opportunity to improve the most important limiting factors including cover and woody debris, floodplain connectivity, side channel, riparian, pool quantity and quality. With funding from the Tributary Committee, Cascade Fisheries recently facilitated an alternatives analysis with the landowners who selected the most aggressive restoration alternative (Alt 3). The preferred alternative includes 14 log jams, enhanced connections to the floodplain and significant riparian restoration. These actions will improve conditions for all life stages of native salmonids, primarily steelhead.

2. What species will the project benefit?

- Spring Chinook
- Steelhead
- Bull Trout

3. Select the project's objectives and the associated tracking metrics

- Design, Monitoring or Assessment
- Instream Habitat (Includes Floodplain & Off-Channel Reconnection)
- Riparian Habitat

Acquisition, Easements, Leases: Reporting Code

Fish Passage: Reporting Code

Fish Screen: Reporting Code

Instream Flow: Reporting Code

Instream Habitat: Reporting Code

- Total miles of instream habitat treated

Riparian Habitat: Reporting Code

- Total riparian miles streambank treated

Upland Habitat: Reporting Code

Water Quality: Reporting Code

Wetlands: Reporting Code

4. Does this project already exist in Salmon Recovery Portal or PRISM?

No

If this project is part of or a phase of an existing project that exists in SRP or PRISM (e.g., design), write the related project(s) name here:

5. Has this project been submitted previously for funding through the SRFB and/or other process(es)?

No

Please explain which process(es) and how this proposal differs from the previous submission (e.g., different phase, modified scope, etc.)

6. What category is the project?

Restoration

Design and Restoration Proposals

7. What project phase(s) are proposed for completion?

Final Design

Construction

8. Is your project within a completed (or soon-to-be completed) Reach Assessment or other type of assessment (e.g., Rapid Site Assessment, other)?

Lower Peshastin Tributary and Reach Assessment

9. Which limiting factors does the project propose to address?

Cover - Wood

Off-Channel - Side-Channels

Pool Quantity & Quality

10. Which life stages will the proposed project address?

Adult Migration

Spawning and Incubation

Winter Rearing

11. Freshwater Benefits - Describe how will your project improve survival, capacity and/or distribution for target species at the reach scale?

By significantly increasing instream habitat complexity within Peshastin Creek we expect to improve adult holding and spawning and juvenile rearing. Increasing access to a network of forested floodplain channels may also increase juvenile growth and survival. These habitat types are rare in Peshastin Creek due to the

proximity of Highway 97, fruit orchards, and homes to the creek.

Additional Space for #11 *Freshwater Benefits

12. Temporal Effect - Briefly describe how and to what extent the project would promote natural stream/watershed process consistent with the geomorphology of the stream?

Peshastin Creek watershed has experienced more than a century of resource extraction (logging and mining) and is fundamentally altered due to road building, agriculture, and rural-residential development along the shoreline and throughout the floodplain. Watershed and stream process at the reach scale are and will continue to be a challenge to restore. Our project seeks to emulate natural process by installing wood and encouraging greater dynamism, such that would be expected pre-settlement.

13. Temporal Effect - How long will it take for the project to achieve its intended response?

Less than or equal to 1 year

14. Temporal Effect - How long will the restoration action and its benefits persist?

10-50 years

15. Temporal Effect - What level and/or interval of maintenance is anticipated? What is the plan for any anticipated maintenance?

Project elements will be designed to be durable through a range of flows and therefore we are not expecting those elements to require maintenance. Riparian planting will be maintained for no less than three years.

16. Methods - Briefly describe the potential (for design) or proposed restoration methods and how they will achieve project objectives.

Cascade Fisheries is working with a renowned design firm who has decades of experience designing instream habitat projects throughout the Northwest, including in the Wenatchee basin. Our collaborative interdisciplinary design process will use standard design methods to ensure the project is designed appropriately to the hydrology, geomorphology, and infrastructure within the reach.

Assessment Proposals

7. What type of assessment are you proposing?

8. Is the assessment identified on the MaDMC monitoring and data gaps list?

***If yes, and that project already exists in SRP or PRISM, what is the name of the existing project?**

9. Describe how the assessment fills a regional priority and where that priority is identified.

10. Methods - What methods will you use in your assessment and how will they achieve your stated objective(s)?

11. Will a design result from the project?

12. If yes, what level of design (e.g. conceptual, preliminary, final)? What proportion of your budget will support design?

13. Briefly describe why SRFB funds are necessary, rather than other sources of funding.

Protection Proposals

7. What type of protection are you proposing?

8. Is this protection project associated with a current or future restoration project?

If yes, and that project already exists in SRP or PRISM, what is the name of the existing project?

9. Placement - Does the project protect important high quality habitat and/or watershed processes and to what degree

10. Freshwater Benefit - What would be the anticipated loss in survival, capacity or distribution for target species at the reach scale if the proposed area is not protected?

11. Threat - How imminent is the threat of habitat degradation to the proposed land if the project is not implemented?

12. Conditions - Briefly describe if there are any conditions regarding the protection of the property that could limit the protection benefits

13. Will there be public access?

Monitoring Proposals

7. Does this project address a Tier 1 data gap in the MaDMC Regional Data Gaps List?

8. To what extent does your project address a regional data gap?

9. What is the scale of inference?

10. Purpose - How will the monitoring complement, enhance, or leverage ongoing monitoring efforts?

11. Methods - Briefly describe the methods and how they are appropriate to the monitoring question

12. Describe how the data (raw and processed), results, and other information will be disseminated and accessed once the project is complete

13. Explain why SRFB project funds are being requested rather than funds from other sources

Project Risk and Economic Benefits

1. What is the landownership?

Private

2. Have you secured landowner participation in or acceptance for this project?

Yes

Please explain

The landowners initiated this project in October 2021 and remain committed to seeing this project through to completion. They are interested in being good stewards of their newly acquired property.

3. Describe any land owner requirements (e.g., design elements, right-of-ways, access agreements, liability waivers, etc.) and if/how they could affect the project

The landowners are supportive of doing the most impactful restoration project possible. They have not expressed any conditions that will limit restoration.

4. Will the project raise potential concerns for interest groups (e.g., recreational users) or the community at large (including upstream/ downstream/ adjacent landowners)?

This project needs to be vetted by the small local group of recreational boaters who float Peshastin Creek. Cascade Fisheries has done significant outreach to the boater community about the lower Peshastin Creek project (at the confluence with the Wenatchee) and have received considerable support for the project.

5. Who will have the responsibility to manage and maintain the project? What is the responsibility of current or future landowners?

Cascade Fisheries will be responsible for implementing and maintaining the project.

6. Are other projects being proposed immediately upstream or downstream of worksite?

Yes

If yes, describe your efforts to coordinate with the other project sponsor(s) and/or manager(s)

7. Please describe the risk of failure associated with this project.

We expect the risk of failure to be low. Modern design and modeling techniques allow us to anticipate design flows, shear stress, buoyancy, etc. so we can design instream structures to be durable long term. Riparian plantings are more vulnerable to "failure" from ungulate browse, wildfire and drought. As we develop a planting plan, we will take into account the changing climate and consider irrigation and exclusion fencing to increase survival.

8. Is there any public outreach planned during and/or after implementation? Does the project build community support for salmon recovery efforts?

Yes. The project is still in the early stages. We expect to have the preliminary design completed by May 2023 and at that point we'll begin our outreach to neighboring landowners and the boating community. We have been coordinating with WSDOT and they have been supportive.

9. Does the project represent an opportunity for economic benefit? How much benefit does the project create for the dollars invested?

The main economic opportunity will be through the competitive bidding process. Local contractors will have the opportunity to bid and build this project keeping those dollars in Chelan County.

10. Describe any partnerships, their experience, and types of contributions supporting the project.

So far Cascade Fisheries has mainly worked with the Tributary Committee, Chelan Douglas Land Trust, WSDOT, and the landowners. We will consider bringing in additional partners as the project advances.

PROJECT: 23-1266 REST, PESHASTIN RM 2.5

Sponsor: Cascade Col Fish Enhance Group Program: Salmon State Projects Status: Board Alternate

Parties to the Agreement

PRIMARY SPONSOR

Cascade Columbia Fisheries Enhancement Group

Address PO Box 3162

City Wenatchee **State** WA **Zip** 98807

Org Type Non-Gov-Reg Fisheries Enhance Group

Vendor # SWV0010742-00

UBI

Date Org created

Org Notes

[link to Organization profile](#)

Org data updated

SECONDARY SPONSORS

No records to display

MANAGING AGENCY

Recreation and Conservation Office

LEAD ENTITY

Upper Columbia Salmon Rcy Bd L

QUESTIONS

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

HCP Tributary Committee - funder, design team
CDLT - partnered to explore conservation options

External Systems

SPONSOR ASSIGNED INFO

Sponsor-Assigned Project Number

Sponsor-Assigned Regions

EXTERNAL SYSTEM REFERENCE

Source	Project Number	Submitter
HWS	23-1266	DHecker

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Project Contacts

Contact Name Primary Org	Project Role	Work Phone	Work Email
<u>Amee Bahr</u> Rec. and Conserv. Office	Project Manager	(360) 867-8585	Amee.Bahr@rco.wa.gov
<u>Doran Lower</u> Rec. and Conserv. Office	MAGy Fiscal Contact	(360) 902-3007	doran.lower@rco.wa.gov
<u>Jason Lundgren</u> Cascade Col Fish Enhance Group	Project Contact	(509) 476-3444	jason@ccfeg.org
<u>David Hecker</u>	Lead Entity Contact	(208) 869-9446	dave.hecker@ucsr.org
<u>Shelly Swanson</u> Cascade Col Fish Enhance Group	Billing	(509) 670-0805	Accounting@ccfeg.org

Worksites & Properties

- # Worksite Name
- #1 Peshastin Creek RM 2.5

Restoration	Property Name
✓	Peshastin Creek RM 2.5

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Worksite Map & Description

Worksite #1: Peshastin Creek RM 2.5

WORKSITE ADDRESS

Street Address Highway 97
City, State, Zip Peshastin WA 98847

Worksite Details

Worksite #1: Peshastin Creek RM 2.5

SITE ACCESS DIRECTIONS

Drive south on Hwy 97 approximately 1.5 miles from the junction with Hwy 2 and turn left on the King Bridge

TARGETED ESU SPECIES

Species by ESU	Egg Present	Juvenile Present	Adult Present	Population Trend
Steelhead-Upper Columbia River, Wenatchee River, Threatened	✓	✓	✓	Declining
Chinook-Upper Columbia River Spring, Wenatchee River, Endangered		✓	✓	Declining

Reference or source used

UCSRB Web maps.

TARGETED NON-ESU SPECIES

Species by Non-ESU

Bull Trout

Notes

Questions

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

approximately Mile Marker 2 on Hwy 97

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Project Location

RELATED PROJECTS

Projects in PRISM

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

Related Project Notes

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.

The project is located between River Mile 2.5-3 on lower Peshastin Creek. The project includes both sides of the creek for about 2,500 and several acres of floodplain.

#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.

This assessment unit is ranked #2 for spring Chinook and steelhead and #3 for bull trout.

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

No

#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

Property: Peshastin Creek RM 2.5 (Worksite #1: Peshastin Creek RM 2.5)

✓ Restoration

LANDOWNER

Name	Mountain Valley Acres LLC
Address	442 Lansdale Ave
City	San Francisco
State	CA Zip 94107
Type	Private

CONTROL & TENURE

Instrument Type	Landowner Agreement
Timing	Proposed
Term Length	Fixed # of years
# Yrs	10
Expiration Date	12/31/2033
Note	

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Project Proposal

Project Description

Cascade Fisheries has a rare and exciting opportunity to work with enthusiastic landowners to conduct a significant restoration project in a watershed with few opportunities of this magnitude. This project addresses the following high priority habitat impairments deemed as at risk or unacceptable by the RTT in Reach 3 of the lower Peshastin AU: riparian canopy cover, cover- wood, pool quality and quantity, floodplain connectivity, off-channel and side channels, channel, and bank stability.

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.

Peshastin Creek and its watershed have experienced a century of resource extraction (logging and mining) and has been fundamentally altered due to road building, agriculture, and rural residential development along the shoreline and throughout the floodplain. Watershed and stream process at the reach scale are, and will continue to be, a challenge to restore. This project addresses the following high priority habitat impairments deemed as at risk or unacceptable by the RTT in Reach 3 of the lower Peshastin AU: riparian canopy cover, cover- wood, pool quality and quantity, floodplain connectivity, off-channel and side channels, channel, and bank stability.

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

This project will address the following high priority habitat impairments deemed as at risk or unacceptable by the RTT in Reach 3 of the lower Peshastin AU: riparian canopy cover, cover- wood, pool quality and quantity, floodplain connectivity, off-channel and side channels, channel, and bank stability. The project will largely benefit steelhead and all their life stages as Peshastin Creek is a top producer of wild steelhead in the Wenatchee despite its impairments.

#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 goal of Peshastin Creek RM 2.5 is to increase the quality and quantity of those habitat types most limited due to human infrastructure. Increasing instream and off channel habitat in this reach of Peshastin Creek should increase steelhead resilience and productivity.

#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](#)

Objective: Install 15 mainstem large wood structures to develop scour pools and improve cover. (Additional floodplain structures will engage at higher flows).
Objective: Excavate 2 pilot and 1 major side channel to increase connectivity of mainstem flows to off channel and floodplain habitats during higher flows.
Objective: Install large wood structures to divert flows towards river right and increasing floodplain connection.
Objective: Maintain and expand existing forested riparian vegetation communities and underplant with coniferous species to promote long-term stream shading.

Project Application Report - 23-1266

#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.

Task 1. Reconvene design team to review Basis of Design Report and 30% design.
Task 2. Early regulatory engagement.
Task 3. Advance design to 60%, then final design.
Task 4. Permitting. Wetland delineation, initiate CLOMR/LOMR process, and JARPA.
Task 5. Construction specifications, bidding.
Task 6. Implementation (2025).
Task 7. Monitoring

#6: What are the assumptions and physical constraints that could impact whether you achieve your objectives?

Assumptions and constraints 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?

We are fortunate to have landowner support to reengage Peshastin Creek with a significant portion of its floodplain. Our early engagement with WSDOT, who owns much of the left bank through this reach, has been positive. Our project will result in reducing velocities and scour and in this reach and result in hydraulic heterogeneity, and habitat diversity. Constraints may be realized during future regulatory engagement and/or as we conduct recreational safety due diligence. Based on our experiences working on the lower Peshastin project we believe most constraints can be overcome with patience, collaboration and compromise.

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

Cascade Fisheries and Natural Systems Design have been working through the design process on the lower Peshastin Creek project for several years and have become familiar with recreational boating on Peshastin Creek, the CLOMR/LOMR process and working through a complex project with several infrastructure constraints. This experience will translate well to RM 2.5.

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

The landowners and our small design team conducted an alternatives analysis in 2022. At the landowners request, we selected the most aggressive alternative to advance to preliminary design. The preferred alternative maximizes floodplain engagement, instream complexity and riparian restoration while minimizing disturbance.

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

Our design team consists of a subset of the HCP Tributary Committee, who funded an alternatives analysis in 2022 and is supported by Cascade Fisheries and our engineering team. We have monthly meetings with the landowners and have had two meetings with WSDOT. Broader outreach will occur in 2023/24.

#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?

Focusing our efforts on tributaries with colder stream temperatures is one way to ensure the continued persistence of salmonids in the Upper Columbia. Peshastin Creek is 2-3 degrees cooler than the Wenatchee River and is expected to remain colder into the future according to the NorWeST model. Anything we can do to identify, protect and enhance these cooler tributaries is certainly a good investment in salmon recovery.

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

Once implemented, the Peshastin RM 2.5 project will interrupt flow and emulate dynamic conditions that persisted prior to the construction of Highway 97 and modern land uses. By building and promoting diverse habitat in Peshastin Creek, we hope to see greater spatial and temporal utilization by our ESA listed fish.

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

Cascade Fisheries staff have over 30 years of combined fisheries experience and have managed a variety of habitat restoration projects. We have worked on similar projects in the Methow and White River and Nason and Peshastin Creeks. We emphasize building trusting and collaborative relationships with project partners to implement river restoration projects.

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

No

Restoration Supplemental

#1: What level of design (per Appendix D) have you completed? Please attach.

Preliminary

#1a: What level of design will be produced prior to construction?

Final

#2: Will (or did) a licensed professional engineer design the project?

Yes

#3: Does the project include measures to stabilize an eroding stream bank?

No

#4: Is the primary activity of the project invasive species removal?

No

#5: Is the primary activity of the project riparian planting?

No

#6: Describe the steps you will take to minimize the introduction of invasive species during construction and restoration. Consider how you will use un-infested materials and clean equipment entering and leaving the project area.

While we do not have BPA funding, we will adopt the HIP III BMP's that we're using on the Lower Peshastin Creek project. This includes pre and post invasive plant treatments, and ensuring equipment is clean and weed free prior to mobilization.

#7: Describe the long-term stewardship and maintenance obligations for the project.

Cascade Fisheries will conduct implementation monitoring and weed treatment for a minimum of three years following construction. We expect to see dynamism and changes throughout our project but if any elements result in a public safety issues or threats to infrastructure, we will work with funders to find remedies.

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Restoration Metrics

Worksite: Peshastin Creek RM 2.5 (#1)

Miles of Stream and/or Shoreline Treated or Protected (C.0.b)	0.40
Project Identified In a Plan or Watershed Assessment (C.0.c)	Yakama Nations, 2010, Lower Peshastin Creek Tributary and Reach Assessment. UC Spring Chinook and Steelhead Recovery Plan
Priority in Recovery Plan	Tier two priority for restoration for Spring Chinook and Steelhead
Type Of Monitoring (C.0.d.1)	Implementation Monitoring
Monitoring Location (C.0.d.2)	Onsite

INSTREAM HABITAT PROJECT

Total Miles Of Instream Habitat Treated (C.4.b)	0.40
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Channel reconfiguration and connectivity (C.4.c.1)

Total cost for Channel reconfiguration and connectivity	\$690,430
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Type of change to channel configuration and connectivity (C.4.c.2)	Creation of Instream Pools Creation/Connection to Off-Channel Habitat
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Miles of Stream Treated for channel reconfiguration and connectivity (C.4.c.3)	0.40
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Miles of Off-Channel Stream Created or Connected (C.4.c.4)	0.30
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Acres Of Channel/Off-Channel Connected Or Added (C.4.c.5)	4.6
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Instream Pools Created/Added (C.4.c.6)	15
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Channel structure placement (C.4.d.1)

Total cost for Channel structure placement	\$690,429
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Material Used For Channel Structure (C.4.d.2)	Logs Fastened Together (Logjam)
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Miles of Stream Treated for channel structure placement (C.4.d.3)	0.40
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Pools Created through channel structure placement (C.4.d.5)	15
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Number of structures placed in channel (C.4.d.7)	15
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CULTURAL RESOURCES

Cultural resources

Total cost for Cultural resources	\$13,000
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Acres surveyed for cultural resources	20.00
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PERMITS

Obtain permits

Total cost to Obtain permits	\$95,000
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Note: CLOMR/LOMR, wetland delineation, cultural resources. etc.

Number of permits required for implementation of project	4
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ARCHITECTURAL & ENGINEERING

Architectural & Engineering (A&E)

Total cost for Architectural & Engineering (A&E)	\$154,500
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AGENCY INDIRECT COSTS

Agency Indirect

Total cost for Agency Indirect	\$3,450
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Overall Project Metrics

COMPLETION DATE

Projected date of completion

11/30/2028

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Restoration Cost Estimates

Worksite #1: Peshastin Creek RM 2.5

Category	Work Type	Estimated Cost	Note
Agency Indirect Costs	Agency Indirect	\$3,450	
Cultural Resources	Cultural resources	\$13,000	
Instream Habitat Project	Channel reconfiguration and connectivity (C.4.c.1)	\$690,430	
	Channel structure placement (C.4.d.1)	\$690,429	
	Obtain permits	\$95,000	CLOMR/LOMR, wetland delineation, cultural resources. etc.
Permits			
	Subtotal:	\$1,492,309	
Admin, Architecture, and Engineering		\$154,500	
	Total Estimate For Worksite:	\$1,646,809	

Summary

Total Estimated Costs Without AA&E:	\$1,492,309
Total Estimated AA&E:	\$154,500
Total Estimated Restoration Costs:	\$1,646,809

Cost Summary

	Estimated Cost	Project %	Admin/AA&E %
<u>Restoration Costs</u>			
Restoration	\$1,492,309		
Admin, Architecture, and Engineering	\$154,500		10.38 %
SUBTOTAL	\$1,646,809	100.00 %	
Total Cost Estimate	\$1,646,809	100.00 %	

Funding Request and Match

FUNDING PROGRAM

Salmon State Projects	\$754,500	45.815878 %
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SPONSOR MATCH

OTHER MONETARY FUNDING	GRANT - LOCAL	
Amount		\$446,154.50
Funding Organization		Chelan PUD
Grant Program		HCP Trib Committee

OTHER MONETARY FUNDING	GRANT - LOCAL	
Amount		\$446,154.50
Funding Organization		Grant County PUD
Grant Program		Preist Rapids Coordinating Council

Match Total:	\$892,30954.184122 %
Total Funding Request (Funding + Match):	\$1,646,809100.000000

Questions

#1: Explain how you determined the cost estimates

Our consulting engineers provided cost estimates to complete the design, conduct CLOMR/LOMR, assist with other permitting, bidding construction and construction oversight.

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Cultural Resources

Cultural Resource Areas

Worksite #1: Peshastin Creek RM 2.5

Area: Peshastin RM 2.5 APE

#1: Provide a description of the project actions at this worksite (acquisition, development and/or restoration activities that will occur as a part of this project)

this project involves significant excavation, installation of log jams and planting.

#2: Describe all ground disturbing activities (length, width and depth of disturbance and equipment utilized) that will take place in the Area of Potential Effect (APE). Include the location of any construction staging or access roads associated with your project that will involve ground disturbance.

there will be 3-4 acres of excavation and ground disturbing activities within the APE. The depth will be up to 8' but generally 1-4' deep.

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

preconstruction ground disturbance will involve had dug holes as part of the wetland delineation and cultural resource survey.

#4: 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).

the site is undeveloped private land, that is partially vegetated with native trees and shrubs.

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

#5a: List the agency that will be issuing the permit and the date you anticipate applying for and receiving the permit. Will the federal permit cover ALL proposed ground disturbing activities included in the project?

ACOE, FEMA, USFWS

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

Unknown

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

No

#8: Is the worksite located within an existing park, wildlife refuge, natural area preserve, or other recreation or habitat site?

No

private land

#9: 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

#9a: List the structure(s) and the properties that 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.

yes, one small building that is proposed for removal

Project Permits

Project Application Report - 23-1266

Permits and Reviews

Archaeological & Cultural Resources (EO 21-02)
Hydraulics Project Approval [HPA]
Nationwide Permit
Other Required Permits

Issuing Organization

DAHP
Dept of Fish & Wildlife
Army Corps of Eng.

Applied Date

11/30/2024
11/30/2024
11/30/2024
06/30/2024

Received Date

Expiration Date

Permit

Note: CLOMR/LOMR

Permit Questions

#1: Are you planning on using the federal permit streamlining process? **Limit 8**
Yes

Project Application Report - 23-1266

Attachments

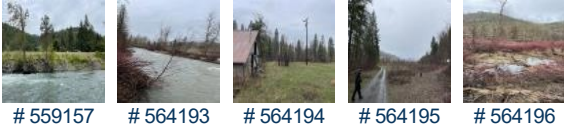
Required Attachments

6 out of 6 done

Applicant Resolution/Authorizations	✓
Cost Estimate	✓
Landowner acknowledgement form	✓
Map: Restoration Worksite	✓
Photo	✓
RCO Fiscal Data Collection Sheet	✓

PHOTOS (JPG, GIF)

Photos (JPG, GIF)





















559157 # 564193 # 564194 # 564195 # 564196

PROJECT DOCUMENTS AND PHOTOS

Project Documents and Photos

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Shared
	01/16/2024	Map: Area of Potential Effect (APE)	Project APE Report (01/16/24 08:53:22)	MarkJ	Project APE Report - 23-1266 (01-16-2024_08-53-22).pdf, 592635	✓
	01/16/2024	Cultural Resource Screening Report	Project Cultural Resource Screening Report (01/16/24 08:53:2)	MarkJ	Project Cultural Resource Screening Report - 23-1266 (01-16-2024_08-53-21).pdf, 592634	✓
	01/16/2024	Project Application Report	Project Application Report, 23-1266R (sub 01/16/24 08:53:21)	MarkJ	Project Application Report - 23-1266 (submitted 01-16-2024_08-53-21).pdf, 592633	✓
	01/16/2024	Project Review Comments	Proj Review Comments Final, 23-1266R(compl 01/16/24 08:53)	MarkJ	Project Review Comments Report - 23-1266 (compl 01-16-2024_08-53-04).pdf, 592632	✓
	01/16/2024	Project Review Comments	Proj Review Comments LE, 23-1266R(compl 01/16/24 08:52)	MarkJ	Project Review Comments Report - 23-1266 (compl 01-16-2024_08-52-51).pdf, 592631	✓
	01/16/2024	Project Review Comments	Proj Review Comments Initial, 23-1266R(compl 01/16/24 08:52)	MarkJ	Project Review Comments Report - 23-1266 (compl 01-16-2024_08-52-38).pdf, 592630	✓
	07/17/2023	Application Review Report	Grant Manager Comments, 23-1266R(compl 07/17/23 10:36)	Ameeb	Grant Manager Comments Report - 23-1266 (compl 07-17-2023_10-36-35).pdf, 571300	✓
	06/26/2023	Project Application Report	Project Application Report, 23-1266R (sub 06/26/23 11:33:51)	DavidH	Project Application Report - 23-1266 (submitted 06-26-2023_11-33-51).pdf, 567815	✓
	05/31/2023	Photo	Peshastin RM 2.5_CF_5.9.23[8515].jpg	JasonL	Peshastin RM 2.5_CF_5.9.23[8515].jpg, 564200	✓
	05/31/2023	Photo	IMG_5430.JPEG	JasonL	IMG_5430.jpeg, 564198	✓
	05/31/2023	Photo	IMG_5433.JPEG	JasonL	IMG_5433.jpeg, 564197	✓
	05/31/2023	Photo	IMG_5443.JPEG	JasonL	IMG_5443.jpeg, 564196	✓
	05/31/2023	Photo	IMG_5442.JPEG	JasonL	IMG_5442.jpeg, 564195	✓
	05/31/2023	Photo	IMG_5421.JPEG	JasonL	IMG_5421.jpeg, 564194	✓

Project Application Report - 23-1266

File Type	Attach Date	Attachment Type	Title	Person	File Name, Number Associations	Share
	05/31/2023	Photo	IMG_5439.JPEG	JasonL	IMG_5439.jpeg, 564193	✓
	05/24/2023	Application Review Report	Grant Manager Comments, 23-1266R(rtnd 05/24/23 10:50)	Ameeb	Grant Manager Comments Report - 23-1266 (rtnd 05-24-2023_10-50-43).pdf, 563732	✓
	05/23/2023	Project Application Report	Project Application Report - 23-1266.pdf	DavidH	Project Application Report - 23-1266.pdf, 563575	✓
	05/18/2023	Application Document	Peshastin RM 2.5 Cover Page.docx	JasonL	Peshastin RM 2.5 Cover Page.docx, 563342	✓
	05/15/2023	Preliminary design report	Peshastin RM2.5_Basis of Design Report_Preliminary Design	Ameeb	Peshastin RM2.5_Basis of Design Report_Preliminary Design.pdf, 563000	✓
	05/15/2023	Design document	Peshastin RM2.5_Basis of Design Report_Conceptual Design.pdf	JasonL	Peshastin RM2.5_Basis of Design Report_Conceptual Design.pdf, 562874	✓
	05/09/2023	Design document	Peshastin 2.5-3.0_Preliminary Design Hydraulic Modeling.pdf	JasonL	Peshastin 2.5-3.0_Preliminary Design Hydraulic Modeling.pdf, 562127	✓
	05/09/2023	Design document	Peshastin RM 2.5-3.0_Preliminary Design.pdf	JasonL	Peshastin RM 2.5-3.0_Preliminary Design.pdf, 562126	✓
	04/21/2023	Project Application Report	Project Application Report, 23-1266R (sub 04/21/23 14:35:51)	JasonL	Project Application Report - 23-1266 (submitted 04-21-2023_14-35-51).pdf, 559198	✓
	04/21/2023	Visuals	Peshastin RM 2.5 RTT SRFB Presentation.pptx	JasonL	Peshastin RM 2.5 RTT SRFB Presentation.pptx, 559197	✓
	04/21/2023	Cost Estimate	Peshastin RM 2pt5 Preliminary Design Cost Estimate_042023.pdf	JasonL	Peshastin RM 2pt5 Preliminary Design Cost Estimate_042023.pdf, 559178	✓
	04/21/2023	Design document	Preferred Concept_040423_wSection.pdf	JasonL	Preferred Concept_040423_wSection.pdf, 559177	✓
	04/21/2023	Map: Restoration Worksite	Peshastin RM 2.5 map.pptx	JasonL	Peshastin RM 2.5 map.pptx, 559174	✓
	04/21/2023	Photo	Peshastin and Hwy 97 .jpg	JasonL	Peshastin and Hwy 97 .jpg, 559157	✓
	04/21/2023	Landowner acknowledgement form	Appendix_F_Landowner_Ack_Form Peshastin RM 2.5.doc	JasonL	Appendix_F_Landowner_Ack_Form Peshastin RM 2.5.doc, 559155	✓
	04/21/2023	Cost Estimate	Peshastin Creek Rm 2.5 cost estimate.xlsx	JasonL	Peshastin Creek Rm 2.5 cost estimate.xlsx, 559154	✓
	04/21/2023	Applicant Resolution/Authorizations	RCO-AppAuthorization_2023 Cascade Fisheries.pdf	JasonL	RCO-AppAuthorization_2023 Cascade Fisheries.pdf, 559142	✓
	04/21/2023	RCO Fiscal Data Collection Sheet	FiscalDataCollectionSheet CF 2023 Chiwaukum.pdf	JasonL	FiscalDataCollectionSheet CF 2023 Chiwaukum.pdf, 559140	✓

Application Status

Application Due Date: null

Status Name	Status Date	Submitted By	Submission Notes
Application Complete	07/17/2023	Ameeb Bahr	Thank you for addressing the comments. Your project is clear for funding once approved in September. Please let me know if you have any questions.
Application Resubmitted	06/26/2023	David Hecker	Submitted by Dave Hecker with verbal approval from Jason Lundgren of Cascade Fisheries.
Application Returned	05/24/2023	Ameeb Bahr	Thanks for submitting you application! It looks like we need a little more information. Please respond to the Review Panel and Grant Manager Comments and resubmit the application by June 26th. Please let me know if you have any questions.
Application Submitted	04/21/2023	Jason Lundgren	
Preapplication	04/04/2023		

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. (David Hecker, 06/26/2023)

Date of last change: 01/16/2024

Project Application Report - 23-1266

RESTORATION

				OVERALL PROJECT	GRANT REQUEST	MATCH				
				<i>Budget must account for all costs to complete the project</i>	<i>Enter only the amount of the grant request</i>	<i>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.</i>				
				Amount	Grant Amount	Match in PRISM	Funding not reported in PRISM	Source (Grant, Cash, Materials, Labor, Volunteers, etc)	Match Type (federal, state, local)	
Construction										
Category (choose one)	Task Description	Qty	Rate							
Construction	<i>Total const. estimate (includ seperately)</i>	1.00	\$ 1,273,359.00	\$ 1,273,359	\$ 600,000	\$ 200,000	\$ 473,359	HCP Trib and PRCC	Local	
Permitting	<i>CLOMR/LOMR, wetlandd dielineation, JARPA, etc.</i>	1.00	\$ 95,000.00	\$ 95,000	\$ -	\$ -	\$ -			
Construction supervision	<i>survey and construction oversight (CF and NSD)</i>	1.00	\$ 40,000.00	\$ 40,000	\$ -	\$ -	\$ -			
Cultural resources		1.00	\$ 13,000.00	\$ 13,000	\$ -	\$ -	\$ -			
Planting		1.00	\$ 67,500.00	\$ 67,500	\$ -	\$ -	\$ -			
			\$ -	\$ -	\$ -	\$ -	\$ -			
			\$ -	\$ -	\$ -	\$ -	\$ -			
			\$ -	\$ -	\$ -	\$ -	\$ -			
			\$ -	\$ -	\$ -	\$ -	\$ -			
			\$ -	\$ -	\$ -	\$ -	\$ -			
			\$ -	\$ -	\$ -	\$ -	\$ -			
			\$ -	\$ -	\$ -	\$ -	\$ -			
			\$ -	\$ -	\$ -	\$ -	\$ -			
STotal			\$ 1,488,859	\$ 600,000	\$ 200,000	\$ 473,359				

Administrative, Architechural & Engineering				Amount	Grant amount	Match in PRISM	Funding not reported in PRISM	Match Source	Match Type (federal, state, local)
Category	Task Description	Qty	Rate						
Final design	<i>Final design, final BDR, bid doc</i>	1.00	\$ 140,000.00	\$ 120,000.00	\$ 120,000	\$ -	\$ -		
Project management		1.00	\$ 28,000.00	\$ 28,000.00	\$ 28,000	\$ -	\$ -		
Administration and billing		1.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500	\$ -	\$ -		
			\$ -	\$ -	\$ -	\$ -	\$ -		
			\$ -	\$ -	\$ -	\$ -	\$ -		
			\$ -	\$ -	\$ -	\$ -	\$ -		
			\$ -	\$ -	\$ -	\$ -	\$ -		
			\$ -	\$ -	\$ -	\$ -	\$ -		
			\$ -	\$ -	\$ -	\$ -	\$ -		
STotal			\$ 154,500	\$ 154,500	\$ -	\$ -	\$ -		

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	10.000%	\$ -	\$ 3,450	\$ -	\$ -	\$ -	\$ -		
Indirect	0.000%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
STotal			\$ 3,450	\$ -	\$ -	\$ -	\$ -		

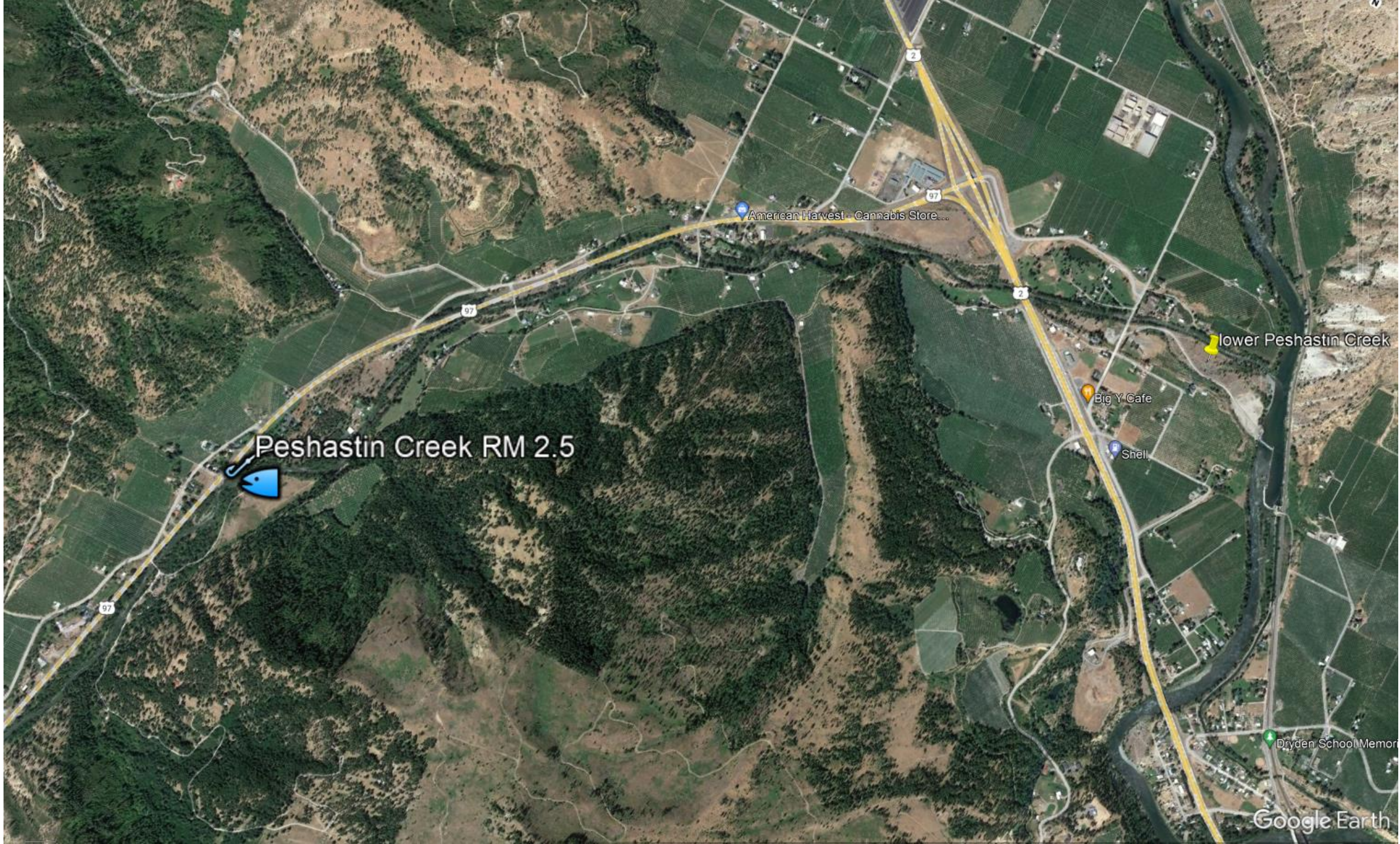
AA&E Budget Check					
A&E maximum allowed in PRISM	\$ 240,000.00	Totals	\$ 1,646,809	\$ 754,500	\$ 200,000
A&E validation	85,500			PRISM Project Total	\$ 954,500
				RCO Percentage	Match Percentage
				79.046621%	20.953379%

CUMULATIVE TOTALS

This sheet contains automatic calculations

Project Name	Peshastin Creek RM 2.5
SRFB #	enter
Sponsor	Cascade Fisheries

	OVERALL PROJECT Cost	GRANT REQUEST Amount	PRISM MATCH Amount	MATCH NOT IN PRISM Amount	Budget Check
<u>Sheet #1 Acquisition</u>					
Property Costs	\$ -	\$ -	\$ -	\$ -	0
Incidental Costs	\$ -	\$ -	\$ -	\$ -	0
Administrative Costs	\$ -	\$ -	\$ -	\$ -	0
Indirect Costs	\$ -	\$ -	\$ -	\$ -	
STotal	\$ -	\$ -	\$ -	\$ -	0
<u>Sheet #2 Design</u>					
Design Costs	\$ -	\$ -	\$ -	\$ -	
Indirect Costs	\$ -	\$ -	\$ -	\$ -	
STotal	\$ -	\$ -	\$ -	\$ -	0
<u>Sheet #3 Restoration</u>					
Construction Costs	\$ 1,488,859	\$ 600,000	\$ 200,000	\$ 473,359	215,500
AA&E	\$ 154,500	\$ 154,500	\$ -	\$ -	0
Indirect Costs	\$ 3,450	\$ -	\$ -	\$ -	
STotal	\$ 1,646,809	\$ 754,500	\$ 200,000	\$ 473,359	218,950
Totals	\$ 1,646,809	\$ 754,500	\$ 200,000	\$ 473,359	218,950



Peshastin Creek RM 2.5

lower Peshastin Creek

American Harvest - Cannabis Store...

Big Y Cafe

Shell

Dryden School Memor



Cascade Col Fish Enhance Group; Peshastin RM 2.5 (#23-1266)

Attachment #559157, Peshastin and Hwy 97 .jpg