



Tuesday, January 18, 2022

California Fish Passage Forum

Project Name	North Fork Ryan Creek Fish Passage Design
Lead Organization	Eel River Watershed Improvement Group
Name of Project Lead/Point of Contact	Isaac Mikus
Contact Email	isaac@erwig.org
Phone Number	(707) 845-8119
Location of Project	39.483544, -123.360645
Attach a map of your project	



RyanCk_Project Map.pdf

PROJECT INFORMATION

1. Concisely describe why this project is important, what activities you will undertake to meet your objectives (clearly identify all objectives), resulting outcomes/deliverables to benefit fish passage in California, and why this project should be selected for funding through this RFP. If the funding you are seeking from the Forum is part of a larger project, please clearly describe which portion of the project Forum funding would be applied to, and the specific deliverables and outcomes expected to result from this funding.

This fish passage project is on North Fork Ryan Creek, which is a tributary to Ryan Creek, a tributary to Outlet Creek in Mendocino County. Outlet Creek has the distinction of hosting the longest migration corridor for Coho salmon in California. Coho have been observed in Ryan Creek all the way up to a now remediated barrier, approximately 1,800 feet downstream of this project site. Adult and juvenile steelhead were recently observed at the project site. The project site is marked by two culverts that have blown out. One of the culverts is still in place and constricting the stream channel. At the constriction point there is a grade control weir that creates a 1.9 foot plunge during low flows. This project is the development of 100% design plans for a

stream crossing that will pass steelhead and Coho and all life stages and all flows. The plans will include the removal of the blown out culverts and the fish passage barrier rock weir that is associated with the culverts. A engineering firm will characterize the topography and hydrology of the project area and conduct subsurface investigations. Once site characterizations are complete, 35% designs and a draft basis of designs report will be produced by the engineering firm. The designs and report will be shared with CDFW, the Fish Passage Forum (FPF) and stakeholders for review and comments. Based on comments, 65% designs will be produced and shared with CDFW, FPF and stakeholders. Comments received will help guide the developments of 90% plans. After another review, 100% plans and a final basis of designs report will be completed.

2. Select all components that apply to your project.

Development of engineering design plans

3. List all partner organizations, and describe their involvement in the project (funder, planning/design, technical assistance, outreach, monitoring/evaluation, etc.)

Munselle Civil Engineering has visited the project site and provided some feedback on crossing design.

4. If proposed project addresses a barrier to fish passage, does it have a California Passage Assessment Database (PAD) identification number(s)?

YES

If you answered "yes" to question 6, please provide the PAD ID number(s).

766189

5. Describe the barrier(s) under "average" conditions, if it is a complete, temporal, or partial barrier, how often passage is provided for both adult and juvenile anadromous fish, and if the information is available (e.g., meets fish passage criteria for adults 45% of the time and 0% of the time for juveniles) for each barrier addressed. Please specify which species you are referring to when describing barrier status.

Under average conditions the fish passage barrier is a temporal barrier to adult Coho and steelhead and a total barrier to juvenile Coho and steelhead.

6. Indicate how you determined that this barrier is a high priority project and/or addresses a high priority barrier(s). (Please check all that apply.)

Local knowledge/conversation with local representatives

7. List the name(s) of the recovery plans and the specific task that name this barrier/project as a high priority, the agency that endorsed this project,

In 2012, a high priority barrier on Ryan Creek was remediated

or the local representative that names this project as a priority.

for fish passage. In 2017, a high priority barrier on North Fork Ryan Creek was remediated. This project would address the next barrier upstream.

8. The California Fish Passage Forum (Forum) has seven (7) overall objectives. Please check each objective your project will help to address. (check all that apply)

1. Remediate barriers to effective fish migration.

9. Provide a brief explanation of how your project addresses all of the checked boxes in question 10.

This project will result in designing a stream crossing to replace a fish passage barrier.

10. Select each anadromous fish species that will benefit from your project (select multiple if applicable).

Coho Salmon

Steelhead/rainbow trout

11. Describe anticipated outcomes of implementing the proposed project. Include specific numbers when possible. Outreach accomplishments could include workshops/presentations/webinars given, educational materials developed, volunteers engaged, websites developed, social media metrics, etc.

Stream miles restored or enhanced: 0

Acres of habitat restored: 0

Number of barriers remediated: 0

Number of barriers assessed: One

Number of watersheds or rivers assessed: 0

Number of stream miles assessed: 0

Number of fish populations assessed: 0

Outreach accomplishments: One website page with project accomplishments. One public meeting.

Other: N/A

12. Provide the location and distance in stream miles of the proposed project to downstream river structures, and whether each structure represents an insignificant, partial, or total barrier to fish passage.

0.17 miles downstream there is a remediated crossing that is insignificant to fish passage. And 0.38 miles downstream there is a fish passage structure designed to pass fish at all flows.

13. Provide the location and distance in stream miles of the proposed project to upstream river structures, and whether each structure represents an insignificant, partial, or total barrier to fish passage.

0.2 miles upstream there is a bridge that is insignificant to fish passage.

14. Indicate which of the Forum's priority habitats that will be enhanced or restored as a result of this project (choose all that apply).

Spawning habitat

Rearing habitat

15. Has the owner and/or responsible organization/agency of the barrier(s) proposed for removal and/or remediation been identified, notified, and given permission for this project to proceed as proposed?

YES

If YES, please provide the name of the entity that owns/is responsible, and describe how consent to proceed was obtained/documented, and their role (if any) in any monitoring.

Patrick and Natalya Bryant have provided enthusiastic consent to this project and will sign a project specific access permit.

***For any barrier remediation projects, the Forum recommends, at a minimum, applicants use the [California Fish Passage Forum's Fish Passage Barrier Removal Performance Measures and Monitoring Worksheet](#), and one year minimum pre- and post-project monitoring.*

17. Will your project be implemented within 12-18 months?

YES

18. Describe below the project's timeline of major tasks and milestones (including permits), as well as implementation and monitoring dates keeping in mind that funding through this RFP will likely be available in Spring/Summer 2023. Please describe any issues that may exist and/or arise that could delay project implementation.

The approximate timeline is as follows:

Task 1. Project Management and Administration: 5/1/23 - 6/1/24

Task 2. Site Characterizations: 6/1/23 - 9/1/23

Task 3. 30% Designs and Draft Basis of Designs Report (BOD): 9/1/23 - 12/1/23

Task 4. 65% Designs: 12/1/23 - 3/1/24

Task 5. 90% Designs: 3/1/24 - 5/1/24

Task 6. 100% Designs and Final BOD: 5/1/24 - 6/1/24

19. Attach any project designs, plans, and/or photos.



NF_RyanPhotos.docx

PROJECT COSTS & BUDGET

20. Total Project Cost. 66025

21. Total funding amount being requested from the Forum. 60500

22. List all partner contributions (cash and/or in-kind) and indicate whether match is considered federal, non-federal, or tribal using the table below:

	Name of Partner Organization	Type of Match	Value of Cash Contributions (\$)	Cash Contributions Secured?	Value of In-Kind Contributions (\$)	In-Kind Contributions Secured?	Total Contribution (\$)
1	ERWIG	Non-Federal			5525	Yes	5525
2							
3							
4							
5							
6							
7							

23. Will the project be fully funded if funding currently being requested from the Forum through this RFP is awarded?

YES

24. All budgets must include the following information. Please check each box indicating understanding of this requirement and upload a copy of your budget (including budget narrative) below.

Total coast of project

Total funding being requested from the Forum clearly indicating how/on what Forum funds will be spent.

Total match (cash/in-kind) and resulting deliverables. Please include and differentiate federal and non-federal match.

Monitoring/evaluation costs

Accompanying narrative explaining budget categories, amounts listed, what will be accomplished, and what deliverables are expected, etc.

Attach a project budget, including a narrative that describes the overall project budget and a detailed budget breakdown. (Word, .pdf, or .xls) A budget template is available on the Forum's funding page (www.cafishpassageforum.org/funding).

 Ryan_CFPF_Budget.xlsx

PROJECT TEAM CAPABILITIES

25. Describe the experience and capabilities of up to three of the project leaders relative to their ability to implement this project. Include any

ERWIG Executive Director Isaac Mikus will manage this

work on other Forum-supported projects or efforts project leaders have been involved with.

project. He has worked for ERWIG for 5 years and has overseen approximately 30 restoration projects during that time. Working for ERWIG, Isaac has successfully completed two culvert replacement projects including the Kenny Creek Fish Passage Improvement Project (CDFW grant agreement #P1510535) and the Buck Gulch Barrier Removal Project (CDFW grant agreement #Q1910516).

An engineering firm will be selected that has experience designing crossing for fish passage remediation.

OUTREACH

26. Describe how this project conducts outreach and education to the local or regional community?

Examples could include, but are not limited to: public workshops, tours, signs, scientific journal articles, scientific conference presentations, educational forums, professional photo/video development, website, press release, newsletter, social media outreach, volunteers, schools, etc. Include any existing urls, social media handles, etc.

This project will be featured on ERWIG's website and a meeting will be held with the small community that will use the crossing.

ALIGNMENT WITH NATIONAL PRIORITIES

27. Which of the National Fish Habitat Partnership's (NFHP) FY23 National Conservation Strategies will be addressed by your project? (select all that apply)

2. Restore hydrologic conditions for fish.

3. Reconnect fragmented fish habitats.

Review the [FY23 NFHP National Conservation Strategies](#).

28. What U.S. Fish & Wildlife Service (USFWS) Climate Change Strategies will be addressed by your project? (select all that apply)

3.2 Promote habitat connectivity and integrity.

Review the [USFWS: Rising to the Urgent Challenge – Strategic Plan for Responding to Accelerating Climate Change](#).

29. Provide specific information about how your project addresses the climate change strategy you checked in question 32.

This project will provide Coho and steelhead juveniles access to summer habitat and winter refugia that is currently inaccessible. This habitat will help protect juvenile salmonids from increased winter flows caused by climate change enhanced storms.

30. Would an existing tribal, commercial, recreational, or subsistence fishery be enhanced as a result of the project? If yes, please describe. If not, is there a future fishery that would potentially be

There is no existing tribal or commercial fishery in the Eel River watershed, but this project will provide increased habitat for steelhead which are recreationally caught in the

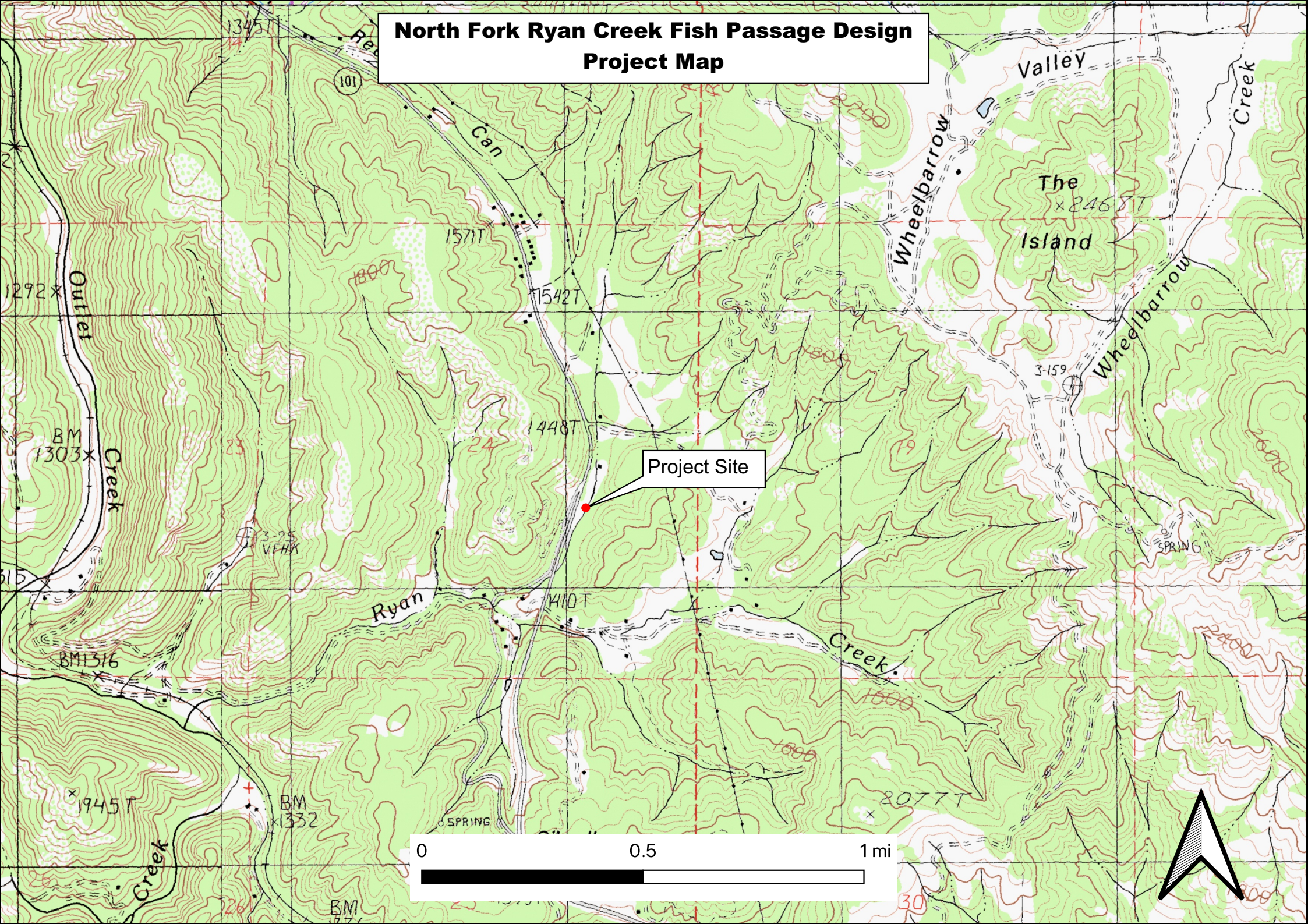
restored through increased habitat as a result of this project? If so, describe.

Eel River watershed.

31. Would this project increase public access to land or water resources for fish and wildlife-dependent recreational opportunities? If so, describe. No

Thank you for your interest in the Forum, and for taking the time to submit this proposal. You will be contacted by the Forum to discuss the outcome of this funding process.

North Fork Ryan Creek Fish Passage Design Project Map



North Fork Ryan Fish Passage Design Photos



Looking upstream at the project site. Blown out culvert is on the right bank and the weir is on the left bank.



Looking upstream at rock weir with measuring tape showing plunge.



Looking upstream at culvert inlet and rock weir.



Juvenile steelhead observed in culvert outlet pool.

Project Budget

Name of Project: North Fork Ryan Creek Fish Passage Design

Category	CFPF Funding Requested	Partner Contributions (non-federal cash)	Partner Contributions (in-kind)	Total	Comments
Salaries and Wages	\$0.00	\$2,000.00	\$0.00	\$2,000.00	ERWIG costs include grant management, monitoring, reporting and construction oversight. Monitoring costs will be approximately \$250. Benefits are calculated at 25% of ERWIG staff wages. No supplies are needed for this project. An engineering firm will complete surveys, analysis, design plans and a basis of designs report. Indirect costs includes workers compensation, accounting services, telephone/communications, utilities, liability insurance, banking fees, administrative salaries and other misc costs directly related to the project. Admin overhead will not be charged on subcontracts over \$25,000 and equipment or rentals.
Employee Benefits	\$0.00	\$500.00	\$0.00	\$500.00	
Supplies	\$0.00	\$0.00	\$0.00	\$0.00	
Professional Services	\$60,500.00	\$0.00	\$0.00	\$60,500.00	
Administrative Overhead	\$0.00	\$2,775.00	\$0.00	\$2,775.00	This includes ERWIG mileage reimbursements.
Contracted Services	\$0.00	\$0.00	\$0.00	\$0.00	
Travel	\$0.00	\$250.00	\$0.00	\$250.00	
Total	\$60,500.00	\$5,525.00	\$0.00	\$66,025.00	



EEL RIVER WATERSHED
IMPROVEMENT GROUP

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NF Ryan Creek Fish Passage Design Monitoring and Evaluation Plan

Project Title: North Fork Ryan Creek Fish Passage Design

Organization: Eel River Watershed Improvement Group

Prepared by: Isaac Mikus

Date: 01/11/2022

Monitoring Plan

ERWIG will fill out the pre-implementation section of the CFPF Fish Passage Barrier Removal Monitoring Worksheet.

Evaluation

Success of the project will be evaluated by the completion of 100% design plans.