

PROJECT INFORMATION FORM

Please complete a unique Project Information Form for each project in the application. There are no character limits on specific questions but the Project Information Form as a whole may not exceed 10 pages.

1. Project Name: Redwood Creek, South Fork Eel Storage and Forbearance Program
2. Local Project Sponsor (if different than grantee): Salmonid Restoration Federation
3. Please provide the latitude and longitude of the project site. For linear projects or those covering a large area, report the coordinates for a central point. If this information is confidential, it must be clearly labeled "confidential." You can find the latitude and longitude easily using google maps. You can find instructions at the following link:
<https://support.google.com/maps/answer/18539?hl=en&co=GENIE.Platform%3DDesktop>.

Latitude: 40.105140°

Longitude: -123.902005°

4. Please briefly describe the proposed project.

This project will address drought impacts on the Briceland community as well as local fish and wildlife by designing and constructing water storage and water supply systems for residents that do not get their water from the Briceland Community Services District.

5. Does this project respond to an existing emergency to humans and/or wildlife? If so, please describe the emergency and how this project is addressing it.

Redwood Creek is a critical tributary for Coho salmon since it retains high habitat potential legacy impacts and countless water diversions. Coho are listed as threatened species and the South Fork Eel River is key to recovery of the species in the SONCC Evolutionary Significant Unit (ESU). The SF Eel is also considered one of five priority watersheds in the state for flow enhancement projects according to the California Water Action Plan. The lack of adequate instream flows in Redwood Creek has become an emergency for fire safety, water supply reliability, and for salmonid species dependent on cool water for their survival.

This project would address these urgent issues by building capacity for residents to capture rainfall and runoff during the winter and store the water for summer use in key reaches of Redwood Creek where instream flows during the dry summer months would provide habitat connectivity for juvenile salmonids and other aquatic species. The project would also improve fire safety for participating landowners and the greater community.

6. Each project must meet one of the following purposes as it relates to drought. Please select the appropriate purpose for your project.
 - a. Address immediate impacts on human health and safety, including providing or improving availability of food, water, or shelter.
 - b. Address immediate impacts on fish and wildlife resources.
 - c. Provide water to persons or communities that lose or are threatened with the loss or contamination of water supplies.

7. Each project must enhance regional drought resilience and align with the goals and objectives of the relevant approved Integrated Regional Water Management Plan. You can find the relevant IRWM Region by using the map at the following link:
<https://gis.water.ca.gov/app/dacs/>

The IRWM Plans can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process>. If you have any questions about the IRWM region the contact list can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs>. Applicants are encouraged to contact and coordinate with the applicable RWMG for the IRWM region in which the project is located

Please identify the IRWM objective your project addresses.

Objective 5 — Conserve, enhance, and restore watersheds and aquatic ecosystems, including functions, habitats, and elements that support biological diversity

8. Describe the Primary Benefit of the project.
Quantified benefit: 250,000
Units (Drop down): If other please enter: gallons
Benefit Type: Other If other please enter: water storage to reduce summer diversion demand.
9. Describe the Secondary Benefit of the project:
Quantified benefit: 5
Units (Drop down): If other please enter: plumbing infrastructure and hydrants
Benefit Type: Other If other please enter: Fire suppression systems
10. Please briefly describe how the project will achieve the claimed benefits.
SRF will identify, plan, permit, and implement water storage projects on five properties totaling a minimum of 250,000 gallons of water storage in tanks and small ponds in order for participating landowners to forgo diverting surface water during the dry summer months. Each system will be equipped with plumbing and hydrant hookups to be able to add a fire safety component to this multiple-benefit project.
11. Briefly describe how the community/area benefiting from this project is being impacted by the current drought.
Redwood Creek in the South Fork Eel River watershed is greatly impacted by the current drought. SRF has been monitoring low flows in this watershed since 2013 and the dry season of 2021 was the driest year on record with Redwood Creek becoming disconnected stranding juvenile salmonids. Redwood Creek is an underserved community with approximately 400 parcels but with only one water services district for residents within the watershed. This storage and forbearance effort would provide storage to residents not covered under Briceland Community Services District and who currently rely on Redwood Creek for their water source.
12. How will this project alleviate the impacts described in your answer to Question 11?
This project would alleviate the drought impacts by ensuring that landowners who divert directly from Redwood Creek would not be diverting during the summer months when flows and

water quality are most impaired. By storing water during the winter months for use during the summer, participating landowners would have water supply reliability and the benefits of the Marshall Ranch Flow Enhancement Project would remain instream.

13. Please complete the following budget table for the project.

	BUDGET CATEGORY	Grant Amount	All Other Cost	Total Cost
(a)	Project Administration	50,000	50,000	100,000
(b)	Land Purchase / Easement	0	0	0
(c)	Planning / Design / Engineering / Environmental Documentation	150,000	100,000	250,000
(d)	Construction / Implementation	300,000	0	300,000
	TOTAL COSTS	500,000	150,000	650,000

14. Please describe why state funding is needed for this project. If state funding is not secured, what will happen to the project?

State funding is needed for this project in order to identify and design projects at the most strategic locations to optimize instream flow benefits. Participating landowners are unlikely to have the means or incentive to site, design, permit, and build a 50,000-gallon tank without financial and technical assistance. If state funding is not secured, SRF will continue with targeted education and outreach, work with agencies to have a more complete understanding of winter water availability, and continue to apply for funding for this important phase of the program.

15. Will the applicant provide cost share (encouraged but not required) and/or will this project require any additional funding from sources other than this solicitation? If so, please describe the funding source and indicate if the funding has been secured. If the funding has not been secured, please describe the plan to secure the necessary funding.

SRF is hopeful that cost share will be available through the North Coast Salmon Recovery PSN (full proposal to be submitted in December). If we are able to secure this cost-share, we would also be able to utilize the streamlined permitting associated with this solicitation that is part of the *Cutting the Green Tape initiative*. This would be a great opportunity to utilize programmatic permitting for multiple water tanks on different parcels.

16. Is land acquisition or landowner permission required for this project? If so, please briefly describe the status of the acquisition or agreement with the landowner. If the acquisition is not complete or permission not secured at the time of application, please describe the plan to complete it.

Landowner permission and access will be required. If funded, SRF will secure landowner permission and access agreements for all project sites.

17. Has planning and design for this project been completed? If not, please describe the status of planning and design.

Preliminary planning for this project is underway through the Redwood Creek Feasibility Study that Stillwater Sciences is preparing for SRF that includes a hydrologic analysis, a water availability analysis, and prioritization of projects. Through the completed water availability analysis, a list of current riparian water rights holders have been identified and will be targeted for participation in this storage and forbearance program. The feasibility study has identified the highest priority reach for storage and forbearance which is adjacent to and just downstream from the town of Briceland and includes approximately 15 water users that divert from Redwood Creek during the dry season. Designs for specific properties have not yet been completed for this project.

18. Are the CEQA (and NEPA if applicable) and permitting processes for this project complete? If not, please briefly describe the permits and CEQA (or NEPA) documents to be completed and projected schedule for completion.

CEQA isn't complete and the project will likely require CEQA. Additionally, the project will require a CDFW LSAA, water rights (likely a Small Domestic Use Registration), and potentially a Humboldt County Grading Permits. Costs for all CEQA and permitting activities are included in the budget.

19. Please briefly describe the necessary construction/implementation for this project.

Construction/implementation will include the following:
The storage and forbearance construction will require heavy equipment and labor for site preparation and installation of ponds/tank systems. Materials will include 50,000 gallons of tank storage capacity, pond liners, rock for the tank pads and pond spillways, and plumbing/electrical materials needed for the water management system.

20. Please complete the schedule below for the project. Projects must be complete by March 31, 2026, to allow time for final invoice processing and retention payment before the State funds expire on June 30, 2026. Project administration should end at least three months after construction.

	Categories	Start Date	End Date
(a)	Project Administration	1/1/2022	3/1/2026
(b)	Land Purchase / Easement		
(c)	Planning/ Design / Engineering / Environmental Documentation	1/1/2022	7/1/2023
(d)	Construction/ Implementation	7/1/2023	2/1/2026



NORTH COAST RESOURCE PARTNERSHIP

Urban and Multibenefit Drought Relief Grant, 2021 Eligibility and General Project Information Application

The Eligibility and General Project Information Application will be accepted until 5:00 pm, November 17, 2021

It is important to save the Eligibility and General Project Information Application file with a distinct file name that references the project name. Please fill out grey text boxes and select all the check boxes that apply to the project. Application responses should be clear, brief and succinct. When the application is complete, please email to Katherine Gledhill at kgledhill@westcoastwatershed.com

If you have questions or need additional information please contact:

- General Information: Katherine Gledhill at kgledhill@westcoastwatershed.com or 707.795.1235
- Technical Assistance/Support: Colette Metz Santsche, colettem@planwestpartners.com or 707.825.8260
- Tribal Projects: Sherri Norris, NCRP Director of Tribal Engagement at sherri@cieaweb.org or 510.848.2043

A. GENERAL INFORMATION

1. Project Name:

Redwood Creek, South Fork Eel River Storage and Forbearance Program

2. Project Abstract [500 characters]

SRF will identify and design strategic storage and forbearance opportunities along Redwood Creek within the vicinity of the town of Briceland and downstream. SRF will develop a Storage and Forbearance Program to manage future implementation: landowner coordination, permit compliance support, and ongoing community outreach. Approximately five sites with ~250,000 gallons of total storage would be designed and permitted to ensure that flow augmentation remains instream to benefit salmonids.

3. Local Project Sponsor Name:

Salmonid Restoration Federation

4. Contact Name/Title

Name: Dana Stolzman
Title: Executive Director
Email: srf@calsalmon.org

Phone Number (include area code): 707 923-7501

5. Does your Organization need technical assistance and/or proposal development support for the NCRP Urban and Multibenefit Drought Relief Grant proposal?

yes no

Please briefly describe the technical/proposal support needed.

SRF welcomes technical proposal support in regards to budgeting, programmatic permitting, and sourcing tanks and equipment needed for this proposed project.

6. Organization Type

Public agency

Non-profit organization

Public utility

Special District

Mutual Water Company

Federally recognized Indian Tribe

Non-federally recognized Native American Tribes on the contact list maintained by the Native American Heritage Commission for the purposes of Chapter 905 of the Statutes of 2004

Other:

7. If the Local Project Sponsor is a mutual water company or public utility, does the proposed project have a clear and definite public purpose that benefits the customers of the water system or other public utility and not the investors? yes no

8. If yes, please state the public purpose and explain how it benefits the customers:

9. Has the organization implemented similar projects in the past? yes no

10. Describe the drought conditions in the area where your project is located.

Note: This question is important and must be answered.

Redwood Creek suffers from impaired flows and lack of adequate water infrastructure given the level of human consumptive water use in the area. Since 2013, SRF has been monitoring low flows in Redwood Creek and in 2021 flows were lower than during the extended drought years. Several of our monitoring sites on the mainstem were dry and disconnected by April. According to the the California Water Action Plan, the South Fork Eel River is considered one of five priority watersheds in CA for flow enhancement projects in California. Redwood Creek is a critical tributary to the South Fork Eel River because of its high potential for salmonid recovery. Lack of instream flows is a primary limiting factor for salmonids and contributes to lack of water reliability for rural landowners. Drought conditions in this water year impacted flows, fire protection resources, water availability and water quality. Please see the SRF Redwood Creek page to see the low flow trajectory for 2021 and previous years.

<https://www.calsalmon.org/programs/redwood-creek-low-flow-monitoring>

B. PROJECT BENEFITS TO DISADVANTAGED COMMUNITIES AND/OR TRIBES

1. Does the project provide direct benefits to a project area comprised of Disadvantaged Communities? If partially, please estimate percentage of project that benefits disadvantaged communities and list the communities.

- Entirely
- Partially
- No

List the Disadvantaged Community(s) (DAC)

Humboldt County: Redway and Briceland

2. Does the project provide direct benefits to a project area comprised of Severely Disadvantaged Communities (SDAC)? If partially, please estimate percentage of the project that benefits the severely disadvantaged community(s) and list the SDACs.

- Entirely
- Partially
- No

List the Severely Disadvantaged Community(s)

Humboldt County is listed in the SDAC list. Benbow, Garberville, Redway, and Briceland areas do not have sufficient water municipalities for the number of residents diverting, the population is well below 20,000 people, and Benbow and surrounding area is in the top 10th percentile in DWR's drought and water shortage risk assessment.

3. Does the project provide direct benefits to a Tribe or Tribes? If partially, please estimate percentage of project that benefits Tribes and list the Tribes.

- Entirely
- Partially
- No

List the Tribal Community(s)

If yes, please provide evidence of support from each Tribe listed as receiving these benefits.

a) Is a Tribal letter of support included in the application?

- yes no

C. NCRP GOALS AND OBJECTIVES

Please check the NCRP goals/objectives below that align with your project goals/objectives. Note: you may skip Question 7 on the PROJECT INFORMATION FORM.

GOAL 1: INTRAREGIONAL COOPERATION & ADAPTIVE MANAGEMENT

- Objective 1 - Respect local autonomy and local knowledge in Plan and project development and implementation
- Objective 2 - Provide an ongoing framework for inclusive, efficient intraregional cooperation and effective, accountable NCRP project implementation
- Objective 3 - Integrate Traditional Ecological Knowledge in collaboration with Tribes to incorporate these practices into North Coast Projects and Plans

GOAL 2: ECONOMIC VITALITY

- Objective 4 - Ensure that economically disadvantaged communities are supported and that project implementation enhances the economic vitality of disadvantaged communities by improving built and natural infrastructure systems and promoting adequate housing
- Objective 5 - Conserve and improve the economic benefits of North Coast Region working landscapes and natural areas

GOAL 3: ECOSYSTEM CONSERVATION AND ENHANCEMENT

- Objective 6 – Conserve, enhance, and restore watersheds and aquatic ecosystems, including functions, habitats, and elements that support biological diversity
- Objective 7 - Enhance salmonid populations by conserving, enhancing, and restoring required habitats and watershed processes

GOAL 4: BENEFICIAL USES OF WATER

- Objective 8 - Ensure water supply reliability and quality for municipal, domestic, agricultural, Tribal, and recreational uses while minimizing impacts to sensitive resources
- Objective 9 - Improve drinking water quality and water related infrastructure to protect public health, with a focus on economically disadvantaged communities
- Objective 10 - Protect groundwater resources from over-drafting and contamination

GOAL 5: CLIMATE ADAPTATION & ENERGY INDEPENDENCE

- Objective 11 - Address climate change effects, impacts, vulnerabilities, including droughts, fires, floods, and sea level rise. Develop adaptation strategies for local and regional sectors to improve air and water quality and promote public health
- Objective 12 - Promote local energy independence, water/ energy use efficiency, GHG emission reduction, and jobs creation

GOAL 6: PUBLIC SAFETY

- Objective 13 - Improve flood protection, forest and community resiliency to reduce the public safety impacts associated with floods and wildfires

D. DEPARTMENT OF WATER RESOURCES ELIGIBILITY

1. URBAN WATER MANAGEMENT PLAN

- a) Is the organization required to file an Urban Water Management Plan (UWMP)?
 yes no
- b) If Yes, list the date the UWMP was approved by DWR:
- c) Does the urban water supplier have a complete and validated water loss audit report verified by DWR in accordance with Senate Bill No. 555 (Stats. 2015, ch. 679).
 yes no
- d) Does the urban water supplier meet the water meter requirements of CWC 525?
 yes no
- e) Is the urban water supplier compliant with requirements to submit to the State Water Resources Control Board their monthly water use reports in compliance with requirements outlined in the California Code of Regulations, title 23, sections 991?
 yes no

- f) If facing water supply shortages, the urban water supplier must have activated a Water Shortage Contingency Plan to a stage commensurate with their current water supply conditions. Has the applicant reported activation of the plan to the State Water Board?
 yes no

2. AGRICULTURAL WATER MANAGEMENT PLAN

- a) Is the organization – or any organization that will receive funding from the project – required to file an Agricultural Water Management Plan (AWMP)?
 yes no
- b) If Yes, list date the AWMP was approved by DWR:
- c) Does the agricultural water supplier(s) meet the requirements the Water Code and Executive Order (EO) B-29-15?
 yes no

3. SURFACE WATER DIVERSION REPORTS

- a) Is the organization a Surface Water Diverter?
 yes no
- b) If Yes, has the organization filed annual and monthly surface water diversion reports to the SWRCB per the requirements in Water Code section 5100 et seq., and California Code of Regulations, title 23, sections 907-930?
 yes no

4. CALIFORNIA GROUNDWATER MANAGEMENT COMPLIANCE

- b) Does the project that directly affect groundwater levels or quality?
 yes no
- c) If Yes, is the Project located in a CASGEM High or Medium priority groundwater basin?
- d) Please list the groundwater basin:
- e) Does the above CASGEM High or Medium priority groundwater basin(s) have an adopted GWMP in compliance of Water Code section 10753 before January 1, 2015?
 yes no
- f) If yes, is a GSA letter of support included in the application?**
 yes no

For groundwater projects or other projects that directly affect groundwater levels or quality in a high or medium priority basin, documentation that the project has support from the Groundwater Sustainability Agency (GSA) of the impacted groundwater basin(s), or the agency responsible for implementing an alternative plan is required to be included with the application.

5. CASGEM COMPLIANCE

- a) Does the project overlie a medium or high groundwater basin as prioritized by DWR?
 yes no
- b) If Yes, list the groundwater basin:
- c) If Yes, please specify the name of the organization that is the designated monitoring entity:
- d) If there is no monitoring entity, please indicate whether the project is wholly located in an economically disadvantaged community.
 yes no
- e) **If yes, is a map that shows the Project’s implementing agency’s service area boundary and DAC overlay included in the application?**

yes no

Note: Consistent with Water Code section 10933.7(b), if the entire service area of the individual Local Project Sponsor's service area is demonstrated to be a disadvantaged community, the project will be considered eligible for grant funding notwithstanding CASGEM compliance. If the Local Project Sponsor is exempt, a map must be included with the application that shows the Project's implementing agency's service area boundary. The map should include a DAC overlay to demonstrate the project is exempt. Please contact NCRP staff for assistance.

6. STORM WATER MANAGEMENT PLAN

- a) Is the project a stormwater and/or dry weather runoff capture project?
 yes no
- b) If yes, please provide the name of the Stormwater Resource Plan (or Functionally Equivalent Stormwater Resource Plan) that the project is listed in.
- c) If the project is a stormwater project but is not listed in a Stormwater Resource Plan, does the project benefit a Disadvantaged Community with a population of 20,000 or less?
 yes no