

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: Mattole Headwaters Drought Relief Project
2. Local Project Sponsor (if different than grantee): Sanctuary Forest Inc.
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: 40.060437

Longitude: -123.96883

4. Please briefly describe the proposed project.
The project will address drought impacts on fish, wildlife and our local community. The project will also address the increased threat of wildfire due to drought and overly dense forests. Expected outcomes include 1) construction of off-channel ponds for water storage and direct flow augmentation during the driest months of the year; 2) thinning of overly dense forests coupled with placement of instream wood for fish habitat; 3) installation of residential water storage and forbearance;

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.

The increased severity of drought is causing many fish bearing reaches of the Mattole headwaters mainstem and tributaries to stop flowing, break into disconnected pools and dry up. This results in emergency conditions for native endangered salmonids. Emergency fish rescue efforts are implemented at significant cost to CDFW and collaborating partners - and the rescue is not entirely effective due to the impacts of electrofishing and transport of the juvenile fish. In addition, many fish perish prior to the rescue due to predation when they become trapped in shallow pools. Extreme low flows have occurred in 18 out of the last 22 years with the most severe conditions 2021 . There is no municipal water system and in low flow years there is not enough water for basic human needs. Drought emergency conditions for people include loss of domestic water supplies as springs, wells and surface water dry up. Emergency conditions for the community include increased threat of wildfire as well as loss of water supplies.

This project will address emergency conditions for fish and wildlife through the following: 1) construction of 7-8 off -channel ponds for water storage and metered flow augmentation into critical fish bearing reaches during the lowest flow periods. The ponds will be located adjacent to instream habitat reaches where fish have been trapped in recent years and where the metered flow will be sufficient to keep pools connected from mid August to October 30. The metered flow augmentation is needed

to complement other strategies with streamflow benefits that only persist until mid summer. 2) thinning of ~ 70 acres of overly dense forest coupled with instream habitat enhancement in ~ 3000 ft. of anadromous stream. The thinning will result in increased flow due to reduced evapotranspiration and reduced risk of catastrophic wildfire. 3) installation of residential storage and forbearance for 3 families who depend on surface water supplies from fish bearing reaches. The storage will be sufficient for the dry months thereby ending diversion impacts to summer streamflows at the diversion locations.

The project will address emergency conditions for three families through installation of storage and forbearance sufficient for the dry season. The threat of catastrophic wildfire for the community will be reduced both through the forest thinning component and the construction of the off channel ponds that can be utilized for emergency fire suppression .

6. Each project must meet one of the following purposes as it relates to drought. Please select the appropriate purpose for your project.
- Address immediate impacts on human health and safety, including providing or improving availability of food, water, or shelter.
 - Address immediate impacts on fish and wildlife resources.
 - 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: 0.2

Units (Drop down):Cubic feet per second If other please enter:

Benefit Type: Other If other please enter:enhanced summer streamflow for fish

9. Describe the Secondary Benefit of the project:

Quantified benefit: 70

Units (Drop down):Acres If other please enter:

Benefit Type: Ecosystem/Habitat Restoration If other please enter:

10. Please briefly describe how the project will achieve the claimed benefits.

The project will achieve the increased streamflow of 0.2 cfs through the combined total of metered flow releases from 7-8 ponds (0.12 cfs), storage and forbearance (0.07cfs); and 70 acres of forest thinning coupled with instream habitat enhancement (0.01 cfs)

11. Briefly describe how the community/area benefiting from this project is being impacted by the current drought.

There is no municipal water system and in low flow years there is not enough water for basic human needs. In addition, the threat of fire is greater coupled with the problem of insufficient water for catastrophic wildfire suppression.

12. How will this project alleviate the impacts described in your answer to Question 11?

This project will alleviate the impacts of insufficient water for 3 families through installation of residential storage and forbearance. The project will help reduce the threat of catastrophic fire suppression through strategically located forest thinning as well as construction of 7-8 ponds that can be used for emergency fire.

13. Please complete the following budget table for the project. (Identify funding sources in Question 15)

	BUDGET CATEGORY	Grant Amount	All Other Cost	Total Cost
(a)	Project Administration	40,000	5,000	45,000
(b)	Land Purchase / Easement	0		
(c)	Planning / Design / Engineering / Environmental Documentation	423,000	30,000	453,000
(d)	Construction / Implementation	3,922,000	140,000	4,062,000
	TOTAL COSTS	4,385,000	175,000	\$4,560,000

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 because the problems are caused by climate change and land use practices and the costs to remedy are far beyond the reach of local and landowner resources. Federal and foundation funding have been tapped and the amounts currently available have been included in the other costs column.

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.

The applicant is not providing cost share due to the administrative burden. Additional funds in the table above include: 1) Partial funding for forest thinning from the Natural Resources Conservation Service (NRCS), not secured. The funding will be applied for by Jan 1, 2022 and the project has been discussed with NRCS. 2) Partial funding for instream habitat planning and CEQA from CDFW, secured. 3) In-kind logs for the instream habitat, Sanctuary Forest, secured.

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.

There are several project components at different locations in the headwaters and all require landowner permission. The forest thinning and instream habitat component is on property conserved by the Wildlife Conservation Board and held in fee-title by Sanctuary Forest. The ponds will be located on both private property and sustainable forestry lands. The landowner access agreements have been discussed and are not expected to be a problem. The storage and forbearance component requires landowner access and we have started preliminary planning with the landowners. Planning will be facilitated through use of forbearance and water management system templates that we have utilized for ~ 30 landowners. The landowner access will be secured along with finalization of the planning process.

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

The forest management plan with specifications for the forest thinning has been completed. The instream habitat planning is in progress with funding from CDFW. The ponds include 2 sites with completed plans and an approved MND for 4 ponds and 4 sites that are in the early planning stages. The 3 storage and forbearance projects are in the early stages of planning.

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.

The CEQA is only complete for 2 of the pond sites. The forest thinning is exempt due to zoning. The ~ 3,000 ft of instream habitat is included in a CDFW planning grant that will also include completion of CEQA. All of the pond sites and the 3 storage and forbearance projects will likely require NEPA. As per consultation through technical assistance it is likely that new legislation with CEQA exemptions for restoration projects will be effect prior to implementation. Therefore, we have only included minimal costs for the CEQA process in the budget.

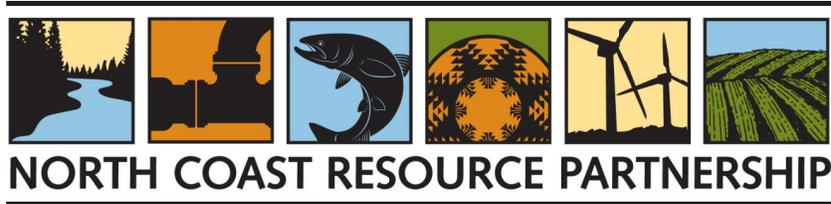
19. Please briefly describe the necessary construction/implementation for this project.

The necessary construction/implementation of this project is needed to address water scarcity and the increased threat of wildfire due to ongoing and ever more extreme drought coupled with legacy land use impacts. Construction/implementation will include the following: Pond construction will require site clearing and removal of topsoil followed by shaping the pond. Engineered earthen berms will be constructed with 2 feet of freeboard and spillways sized to carry 100-year flows. The ponds will be sealed to minimize leakage through installation of a clay keyway in the berm that also extends below the berm connecting with a natural subsurface restrictive layer of blue clay or bedrock. Materials

needed will include rock for the spillways and clay or bentonite for the keyways. Implementation of forest thinning will primarily be done with hand labor. Mastication or feller-buncher may be used for appropriately sized stems and where equipment can travel safely without adverse impacts to streams or other resources. The instream habitat project will utilize heavy equipment and hand labor will to install the structures. Equipment access will be accommodated by selecting routes that reduce the amount of ground and vegetation disturbance and utilizing remnant logging roads. Materials will include logs, boulders, anchoring materials and mulching materials. The storage and forbearance construction will require heavy equipment and labor for site preparation, installation of tanks and storage system. Materials will include 50,000 gallons of tank storage capacity for each of the 3 residences along with rock for the tank pads and plumbing and 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	4/1/2023
(d)	Construction/ Implementation	5/1/2023	12/1/2025



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:

Mattole Headwaters Drought Relief Project

2. Project Abstract [500 characters]

The project will address drought impacts on fish, wildlife and our local community. The project will also address the increased threat of wildfire due to drought and overly dense forests. Expected outcomes include 1) construction of off-channel ponds for direct flow augmentation during the driest months of the year; 2) installation of residential water storage and forbearance; 3) thinning of overly dense forests coupled with placement of instream wood for fish habitat.

3. Local Project Sponsor Name:

Sanctuary Forest Inc

4. Contact Name/Title

Name: Tasha McKee McCorkle

Title: Water Program Director

Email: Tasha@sanctuaryforest.org

Phone Number (include area code): 707-986-1087 ext 2#

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.

CEQA and permitting

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.

Drought conditions in the Mattole watershed include lower annual rainfall, longer dry seasons and hotter summer temperatures. Water scarcity has impacted fish and wildlife as well as the Mattole Headwaters community. The Mattole River Headwaters and its tributaries comprise the primary spawning and rearing grounds for endangered native salmon. Extreme low flows in 17 out of the last 22 years have resulted in disconnected pools with trapped salmonids who perish when pools dry up. There is no municipal water system and in low flow years there is not enough water for basic human needs.

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)

Whitethorn, CA

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)

Whitethorn, CA

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