

EXHIBIT A**Work Plan, Schedule and Budget
For Fiscal Years 2019-2020 through 2021-2022****PROJECT NAME: Tenmile Creek Forest Health Pilot Project****SUBGRANTEE NAME: Eel River Recovery Project****PROJECT DESCRIPTION:**

This demonstration project was selected to help the North Coast Resource Partnership (NCRP) realize the goals of the Regional Forest and Fire Capacity (RFFC) Program. Under the RFFC Program, the NCRP will develop a North Coast Regional Priority Plan (RPP). The RPP will include a comprehensive and integrated set of strategies, actions and projects to support forest and community health and long-term resilience to wildfire. The purpose of the demonstration projects selected by the NCRP is to model processes and on-the-ground projects designed to test concepts, methods, and innovative techniques to identify effective management practices for fuel load reduction and forest health that can be quantified and scaled up in the region and elsewhere. Data, performance measures, and project outcomes/lessons learned from this demonstration project will be documented and integrated into the RPP to ensure adaptive learning and information sharing throughout the region.

The Tenmile Creek watershed has a great deal of over-stocked coniferous and hardwood-conifer forests, and also oak woodlands being over-topped by fir trees. Both conditions lead to a build-up of fuels that increase the threat of catastrophic fire, and cause increased tree evapotranspiration that is significantly depleting stream flow. This project will provide the opportunity to promote forest health implementation achieved through forest thinning and oak woodland restoration. Specifically, this project will create a Forest Health Plan template, plans for 12 participating landowners, and develop public outreach tools including demonstration sites. Traditional ecological knowledge (TEK) will be incorporated into the planning process through consultation with the Cahto Tribe.

In an effort to reduce the labor and costs associated with CAL FIRE Climate Change Initiative (CCI) grant proposals requiring large amount of tree-diameter data to calculate carbon savings, the ERRP forest health team will devise a new plan template that will be more reliant on remote sensing and drone photos. The new innovative technique will then be tested in the field as plans are completed for 12 willing landowners, whose lands have high ecological value and/or are suitable for serving as demonstration sites for community education. New plans will provide quantitative data that clearly define forest health problems, information on carbon sequestration and permitting hurdles, and a detailed plan for subsequent implementation.

The latter would include the layout for forest health harvests, labor needs, cost estimates, and the type and quantity of wood products that would be produced. Data will be provided to the Forest Reciprocity Group for planning production of value-added products from wood materials generated from future project implementation. ERRP will also coordinate project work with the newly formed Tenmile Creek Watershed Council (TCWC) which will be the conduit for future forest health implementation, bringing in millions of dollars in grants, creating full employment, and restoring forest health over the next decade.

Expected benefits of Forest Health Plan implementation include improved community fire and water security, climate change resilience, flows for salmon and steelhead, and sequestration of carbon to help offset climate change. Project outcomes will directly affect the Tenmile Creek watershed in northern Mendocino County and the surrounding community of Laytonville, which meets the criteria of disadvantaged. Accompanied by lessons learned through implementation, the plans developed will be shared widely on the North Coast as models to adopt.

Task 9.1 Project Management

General project management, including compliance with subgrantee requirements, project planning and oversight, necessary meetings, as well as invoicing and reporting.

Task 9.1.A Demonstration Project Detailed Work Plan and Budget Development

Work with the NCRP staff team to develop a detailed work plan and budget based on the successful project concept proposal. This will include at least one strategic planning meeting with NCRP staff and may involve additional meetings with NCRP staff and consultants as well as other demonstration project sponsors.

Deliverable:

- Detailed work plan and budget

Task 9.1.B Sub-grantee Agreement Execution and Management

Execute a sub-grantee agreement with COUNTY for work to be completed on this project. Manage the sub-grantee agreement including compliance with grant requirements, and preparation and submission of supporting grant documents.

Deliverables:

- Fully Executed Sub-Grantee Agreement

Task 9.1.C Invoicing

Compile invoices including relevant supporting documentation. Submit invoices to COUNTY according to the Subgrantee schedule presented in Table 3 below for review and inclusion in the master invoice packet.

Deliverables:

- Invoices, provided in a format approved by, and including backup documentation as specified by COUNTY

Task 9.1.D Progress Reporting

Prepare progress reports detailing work completed during reporting period. Submit reports to COUNTY according to the Subgrantee schedule presented in Table 3 below for review and inclusion in the master progress report

Deliverables:

- Quarterly Project Progress Reports, using the format required by COUNTY

Task 9.1.E Environmental Compliance Documentation and Permitting

There is no on-the-ground work associated with this project and therefore this project will not require official environmental documentation or permits of any kind.

Deliverables:

- Environmental Compliance Checklist, using the form provided by COUNTY

Task 9.1.F Labor Compliance Program

Take all measures necessary to ensure compliance with applicable California Labor Code requirements, including, preparation and implementation of a labor compliance program or including any payments to the Department of Industrial Relations under Labor Code Section 1771.3.

Deliverables:

- Proof of labor compliance as applicable, upon request

Task 9.1.G Contractor Acquisition and Management

As applicable and based on subgrantee purchasing policies, secure contractors and award contracts. All sub-contractors were selected by ERRP prior to the proposal for this grant and they are all uniquely qualified for their assignments.

Heather Morrison, RPF, will be subcontracted to serve as the Field Manager for this project and to coordinate surveys, help design the Forest Health Plan template, and create plans. She has had more than a decade working as an RPF in Mendocino County and has extensive experience as a team leader, which make her uniquely qualified to lead this project.

Imil Ferrara will be subcontracted to assist with development of the Forest Health Plan template, help write forest health plans, collect field data, and participate in the testing of new technology by ground-truthing. He recently served as the Co-Coordinator of the Mendocino Fire Safe Council and has knowledge and working relationships that contractors from out of the area would not have.

Steve Brown will be subcontracted to assist with creating the Forest Health Plan template and to help with the 12 individual plans. He owns 250 acres in lower Tenmile Creek in the Peterson Creek sub-basin and recruited his neighbors to participate in this project. Steve is being trained as a master burner by CalFire and will be organizing landowners to participate in cooperative burning activities in the future. He will assist Woods Wilson in laying out forest health implementation plans that will be imbedded in each forest health plan...

Vernon “Woods” Wilson will be subcontracted to serve as the liaison with the Cahto Tribe, helping tap traditional ecological knowledge (TEK) of tribal elders. His previous experience as the Cahto Tribal Council Chair makes him highly qualified for this task. He will help organize a local workforce for implementation of the forest health plans developed., Woods will also contribute to forest health plans, including lay outs for future forest health implementation..

Baldwin, Blomstrom, Wilkinson & Associates (BBW & Assoc.) is the leading ecological forestry firm in northwestern California and they will be subcontracted to review and refine the forest health plan template and review and contribute to drafts of individual forest health plans. Steve Smith, Bill Wilkinson and Ken Baldwin have 140 years of practicing forestry and they are recognized as leaders in their field.

Humbots Data Analysis, a recent business start-up rooted at Humboldt State University, will be subcontracted to assist with capturing imagery integral to forest health planning using drone technology. Working together with these experts, ERRP hopes to discover how to use remote sensing data to reduce the need for exhaustive tree measurements that are time consuming and costly. Humbots DA occupies a unique position in the local market that make them uniquely qualified.

Deliverables:

- Sole source justification, if required by purchasing policy.
- Documentation of subcontractor insurance, upon request

Task 9.2 Integration with NCRP Regional Priority Planning Process

This task will ensure that the project is well integrated into the RPP and NCRP planning processes for information sharing to other parts of the region. This will include at least one kickoff planning meeting with NCRP staff and subsequent meetings as needed to ensure integration of the demonstration project results.

Task 9.2.A Project Reporting

Develop a section for inclusion in the RPP that describes the project, outcomes and project applicability to the North Coast region. In addition, this section will include discussion of and integrate collected data related to climate change and carbon sequestration, labor needs for forest health implementation, cost factors for budgeting implementation and the amount of forest health wood products produced. Provide outline, annotated outline and drafts to NCRP staff for review and input. NCRP staff may wish to interview ERRP staff about the project to gather additional information for the RPP.

Deliverables:

- Applicable data, documents, and reports on lessons learned to be integrated into the RPP: review outline, draft and final

Task 9.3 Project Activities

Develop a Forest Health Plan template, and Forest Health Plans for the Tenmile Creek Watershed and for 12 individual properties within the watershed based on the template. Test new technology to help streamline development. Consult with the Tenmile Creek Watershed Council, BLM, and other project partners as needed to accomplish this task. Increase community support for and understanding of the project and forest health generally, through public outreach and education.

When planning for meetings described below, COVID guidelines will need to be considered. Remote virtual meetings may be an alternative to holding them in person.

Task 9.3.A Forest Health Plan Development

Create a new streamlined ecological Forest Health Plan template suitable for use in Tenmile Creek and other North Coast basins and watersheds. Incorporate drone-collected forest stand data as an essential planning tool. Work with Dr. Michael Jones, UCCE Forestry Advisor on evaluating utility of drones for data collection.

Test feasibility and utility of using a drone to capture imagery in remote, steep areas that are difficult to access; to understand tree species diversity and community type; and to detect forest health problems.

Inventory suitable raw materials anticipated from each of 12 forest health implementation projects developed under the encompassing demonstration project. Include an integrated strategy for job creation and economic development as part of the watershed plan, based on anticipated production of value-added forest health products; share related data with Forest Reciprocity Group and NCRP.

Continue to test the new Forest Health Plan template by developing plans for 12 properties comprising approximately 815 acres in the Tenmile Creek watershed, having significant ecological values and/or potential to serve as demonstration sites. Estimate the amount of labor necessary for each forest health project, and begin to organize resources for implementation. Clearly recognize and define potential regulatory and permit hurdles for each plan so additional resources can be sought to meet challenges.

Deliverables:

- Forest Health Plan template and guidelines draft for NCRP review, and final version
- GIS data, metadata, data dictionary and drone imagery
- Forest Health Plans developed for 12 individual landowners

Task 9.3.B Public Outreach and Education

Create at least two demonstration project sites for public education under this and future projects. All landowners participating in the project are interested in further promoting forest health, especially with their neighbors, and have agreed in advance to allowing subsequent field trips to be conducted on their properties for public education. The Cahto Trail forest health project site has high use by the public, so information for (a) kiosk(s) explaining improvements will be developed. Grant funding for building of a kiosk will be sought using other funds. Lower Tenmile Creek sites will be important pilot sites for forest health planning for a high value conservation area. Because of the large size of parcels involved, many different forest health lessons can be taught there and a brochure with salient points will be developed to hand out at forest health field trips.

In coordination with Tenmile Creek Watershed Council, conduct community and public-school outreach to increase understanding of forest health and the benefits of cooperation. Use the professional network of Dr. Jones to identify other groups who would benefit from outreach and/or data sharing.

Host a minimum 2 workshops and 2 fieldtrips to this end; provide dates and pertinent information to NCRP for inclusion in NCRP calendar and outreach. Develop and/or share press releases, brochures, posters, web and social media, and video. The NCRP may arrange with ERRP to document the project via video or other mechanism to illustrate key elements of the RPP.

Deliverables:

- Agenda and meeting materials from workshops and field trips (or virtual meetings, if necessary due to the pandemic)
- Sign-in sheet or participant list from 2 workshops and 2 fieldtrips (or participant list from online event)
- Copy of outreach and educational materials shared or developed, including kiosk content and brochure

Task 9.4 Project Closeout

Compile a Project Closeout Packet including, but not limited to California Climate Investments (CCI) reporting metrics; a summary of contributions to NCRP goals and objectives; a section for the RPP that describes the project, outcomes and project applicability to the North Coast region; photographic documentation; final project location map, as applicable; and an RFFC Program feedback survey. Submit the packet to COUNTY according to the schedule presented in Table 3 below.

Deliverables:

- Project Closeout Packet, using the format required by COUNTY