

2018 FOREST HEALTH WATERSHED COORDINATOR PROGRAM GRANT APPLICATION

This is the Application form only for 2018 Watershed Coordinator Program grants under the 2018 Forest Health Watershed Coordinator Program Guidelines (Guidelines). The Guidelines detail the background and requirements to apply for funding under the program.

Applicants should familiarize themselves with the Guidelines prior to completing this Grant Application and refer to it for important dates and questions regarding the content of their submission.

Please use the Grant Application Checklist to ensure that all necessary materials are submitted to facilitate prompt application review. Prior to the application deadline, interested applicants may contact staff with questions.

Please prepare all materials using an easy-to-read font. When complete, please submit a digital version via email to the Department of Conservation wcp@conservation.ca.gov.

You will receive acknowledgement upon the receipt of the application via email.

Application instructions

- Each application must contain all of the materials listed in the checklist below, including the checklist itself.
- Materials should be presented in the order indicated on the checklist.
- In the header or footer of each page of the application, applicants must include: (1) name of applicant, (2) watershed, and (3) sequential page numbers.
- Materials not specifically requested (e.g., press clippings or brochures) will not be considered during the evaluation.

All applications must include the following:

Checklist for Watershed Coordinator Program Grant Application	
X	1. Cover Sheet
X	2. Executive Summary
X	3. Application Questions
X	4. Work Plan
X	5. Budget
X	6. Map(s)
X	7. Authorizing Resolution from Governing Body
X	8. Collaboration and Support Letters
X	9. Proof of Applicant Capacity
X	10. Payee Data Record (STD 204)

1. Cover sheet for watershed coordinator program

Project Information	
Project Title	Modoc – Goose Lake RCD's Watershed Coordinator Position
Location (County and/or City)	Modoc County, City of Alturas
District Number(s):	Senate: District 1
	Assembly: District 1
Watershed Coordinator Zone	Sierra Nevada & Cascade
Target Watershed(s) (HUC 10 and/or HUC 8)	18010204, 18020002, 18020001, 18010001
Grant Request Amount	\$230,610
Watershed Coordinator Costs	\$203,923
Administrative Costs	\$26,687
Applicant Information	
Applicant Name	Modoc Resource Conservation District
Organization Type	<i>local government</i>
Department/Office	
Federal Employer ID Number	68-0281951
Mailing Address	<i>local government</i>
	Alturas, CA 96101
Contact Person	Richard L Westman
Title	Project Coordinator
Phone Number	530-640-0178
Email Address	rwestman1@frontiernet.net

Narrative questions

2. *Executive summary*

Concisely summarize the purpose of the proposal, including how it relates to the Forest Carbon Plan. In addition, this section should list any participating local governments or other partners and include a brief description of the watershed characteristics and demographics.

Purpose of the Proposal

The purpose of this proposal is to secure funding for a watershed coordinator position to provide services jointly to the Modoc Resource Conservation District (RCD) and the Goose Lake Resource Conservation District (RCD). Goals and objectives for this position is to increase the capacity of both Districts to participate in the implementation of the Upper Pit River IRWM Plan and Strategy, with emphasis on the forested lands of the Modoc Plateau Region. This position will identify and organize watershed restoration projects designed to improve forest health and water quality in the head waters of the Upper Pit River Watershed. Project design will focus on goals and objectives addressed in the State's Water Plan and Forest Carbon Plan. A key element of this task involves collaboration with a diverse group of stakeholders to maintain and form new partnerships for the better understanding and management of the forest, rangeland and agricultural resources of the watershed. This collaboration effort will involve working with Forest Service, Bureau of Land Management, Fish and Wildlife Service, CA Department of Fish and Wildlife, CalFire, Modoc County Government, City of Alturas, Fire Safe Counsel, Ducks Unlimited, Cal Trout, California Deer Association, local landowners and private citizens.

Watershed Characteristics.

The Modoc Plateau Region is in the northeastern corner of the state, with the eastern boundary including the Warner Mountains and Surprise Valley along the Nevada border, west boundary at the edge of the southern Cascade Range and extending north to the Oregon border, and extends south to include the Skeddaddle Mountains and the Honey Lake Basin. The 3-million-acre Pit River watershed is the major drainage of the Modoc Plateau and spans the border of northern California and Oregon as well as the Modoc Plateau and Southern Cascades ecoregions. It is of major importance to California water supply providing 20 percent of the water to the Sacramento River. The upper reaches of the Pit River watershed begin in creeks of the Warner Mountains which flow in a westerly direction to the North Fork and South Fork of the Pit Rivers which join together at Alturas to form the beginning of the Pit River. The Pit River flows in a south westerly direction through Warm Springs Valley and the west boundary of the Modoc Plateau Region.

Whereas the Cascade and Sierra Nevada regions are mostly vegetated by montane pine and fir forests, the arid Modoc Plateau supports a mosaic pattern of Great Basin (cold desert) vegetation and Eastside Ponderosa Pine Forest. The Great Basin vegetation is dominated by low sagebrush, big sagebrush, rabbitbrush bitterbrush, bunchgrass and cheatgrass. Western junipers range in density from widely scattered to closed canopies. The Pine forest is dominated by ponderosa pine, white fir and red fir and lodgepole pine at the higher elevations. The mosaic mix of Great Basin-juniper vegetation and mixed conifer occur at the mid-elevation ranges (4800-6500 feet), lower elevation (4000-4600) is dominated great Basin vegetation, while higher elevations (6600-7500) is dominated by pine forest.

Watershed Demographics

The Modoc Plateau Ecoregion is rural with low population densities and relative isolation from large economic markets. Although population densities vary, most of the zone contains fewer than seven persons per square mile. As of the 2010 census, the population was 9,686. making it the third-least populous county in California. The county seat and only incorporated city is Alturas. As of the census of 2000, there were 9,449 people, 3,784 households, and 2,550 families residing in the county. The population density was 2

people per square mile (1/km²). There were 4,807 housing units at an average density of 1 per square mile (0/km²). The racial makeup of the county was 85.9% White, 0.7% Black or African American, 4.2% American Indian, 0.6% Asian, 0.1% Pacific Islander, 5.7% from other races, and 2.8% from two or more races. 11.5% of the population were Hispanic or Latino of any race. The median income for a household in the county was \$27,522, and the median income for a family was \$35,978. Males had a median income of \$30,538 versus \$23,438 for females. The per capita income for the county was \$17,285. About 16.4% of families and 21.5% of the population were below the poverty line, including 29.7% of those under age 18 and 8.6% of those age 65 or over. Modoc County has the lowest median household income of any county in California. Sixty percent of the region is federally managed; the Forest Service manages 30 percent, BLM manages 26 percent, and the Fish and Wildlife Service and the Department of Defense each manage about 2 percent of the lands. State Fish and Game manages 1 percent of the region as wildlife areas. About 37 percent of the lands are privately owned or belong to municipalities.

Information source for the Modoc Plateau Ecoregion description and condition was taken from the following publications:

Davis, F. W, et al, 1998, The California Gap Analysis Project – Final Report, Appendix MP, The Modoc Plateau Region.

CA Department of Fish and Wildlife, State Wildlife Action Plan, 2015, 5.2 Cascades and Modoc Plateau Province.

East Cascades – Modoc Plateau and West Cascades Ecoregional Assessments, Main Report, June 2007, The Nature Conservancy.

CA Department of Fish and Wildlife, Wildlife Diversity Project, 2005.

Upper Pit River Watershed Management Strategy, Pit River Watershed Alliance, June 2010.

Upper Pit River Watershed Assessment, Prepared for Pit River Watershed Alliance, October 2004, Vestra.

3. Application questions

The questions below are designed to solicit specific facts regarding how the proposal addresses the Forest Health Watershed Coordinator Program goals and objectives. Please respond to all questions in the order listed and clearly label each question and answer. Points will be attributed to each section and not to individual questions. If a question does not apply to your proposed work, indicate that it is not applicable ("N/A").

Demonstrated need (20 Points)

Current Watershed Conditions/Potential Benefit to the Watershed

a. *Describe how the watershed encompasses forest lands with characteristics and indicators prioritized by the Forest Carbon Plan:*

- **Forests projected to be at risk due to climatically driven stressors.**

The dry conifer forest ecosystem in the Modoc plateau, especially at the mid elevation range of 4800-6500 feet, is at high risk due to climatically driven stressors. Scientific models predicting the effects of climate change, indicate that this region may experience warmer, drier summers and warmer winters. It is also predicted that precipitation patterns will change, with the snowline becoming higher and less precipitation falling as snow. Summers are likely to be drier than they are currently. Local temperature and precipitation data for the last few years reflect these climate change trends are occurring on a local scale. Precipitation for this region averages from 15 to 36 inches annually. The minimum amount of annual precipitation is bordering on 15 inches, which is the minimum amount needed to grow conifer

trees. Any reduction in the amount of moisture availability during the growing season will add climatic stressors to the dry forest ecosystem. This becomes a critical situation when consideration is given to the existing stressors which resulted from the combination of livestock and feral horse grazing, invasive annual grasses, the expansion of native western juniper, even-aged timber-harvest practices, elimination of older trees, and fire suppression altering frequencies of fire. All these factors result in an unhealthy forest with increased insect and pathogen activity and heightened fire risk of larger, catastrophic fires.

- **Forests at greatest risk to high-severity events (e.g., fire, insect outbreak).**

Dry forests on the Modoc Plateau region are experiencing an increase in bark beetle activity and resultant tree mortality. This is the result of drought-induced stress and milder winters that prolong growing seasons and allow multiple generations of bark beetles. Currently, mountain pine beetle occurs at epidemic landscape scale on the Modoc Plateau. What was initially an outbreak in lodgepole pine, has expanded to include ponderosa and western white pine legacy old-growth trees. These trees, due to reduced vigor, are particularly vulnerable because of ongoing drought. The stressors resulting from the forecasted drought and climate change will favor increased insect and pathogen activity increased density-related mortality within the dry conifer forest ecosystem.

- **Stands with existing large trees.**

N/A

- **Forests at high risk of type-conversion (e.g., forest to shrub or grass vegetation).**

The dry forest ecosystem within the mid-elevation range are at risk of a slow but continual invasion of juniper. The expansion of juniper throughout the Modoc Plateau Region is a critical issue. The reduced fire frequency along with other vegetation stressors has allowed western juniper to expand its coverage into sagebrush, bitterbrush, mountain mahogany, riparian, and aspen plant communities (BLM 2000, Miller and Rose 1999). At a recent juniper field day in eastern Oregon, representatives from the Eastern Oregon Agricultural Research Station, reported that juniper is even moving into eastern Oregon ponderosa pine forests. Several recent studies have been done on changes in plant composition in fire dependent ecosystems. The results have found with reduced fire frequency, fire tolerant species like ponderosa, are decreasing and fire intolerant species, like juniper are increasing. This potential change in plant composition may be occurring locally, especially in smaller, non-commercial conifer stands where juniper has invaded next to the conifer pine forest perimeter. Juniper has flourished by out competing other vegetation for water and nutrients. This results in altering ecosystems to such an extent that other once-abundant native plants and wildlife are now scarce in these areas. In the last 130 years, juniper has increased its coverage in the plant communities tenfold and now covers more than 2.5 million acres of northeastern California. Today, juniper's range is expanding by roughly 1.5 percent per year. Forest health restoration activity needs to be implemented on these sites to prevent the long-term change from dry pine forest to juniper woodland.

- **Areas with high habitat values at risk, such as spotted owl Activity Centers.**

The story of the greater sage-grouse illustrates how the alteration by multiple stressors of native plant communities in the region has caused the decline of species associated with those native plant communities. Sage-grouse were once abundant on the Modoc Plateau, but owing to habitat degradation, it is a species of concern in the region. Sage-grouse have declined in numbers as sage steppe habitat has been transformed by livestock grazing and expansion of western juniper. While the sage grouse issue is related to the sage steppe habitat, the sage-steppe ecosystem and the dry pine forest ecosystem are intertwined within the mid-elevations (4800 – 6500 feet) of the Modoc Plateau Region. Therefore, any landscape scale restoration efforts within this zone will involve both the sage steppe and dry conifer forest ecosystems. The wildlife habitats within this area tie both ecosystems together, what happens to one system will influence the other.

- **Areas that need to be reforested after high mortality events.**

There are scattered areas with high mortality of bark beetle kills, especially among fir trees within the lower areas of the mid-elevation range (4800 to 6500 feet) of the dry conifer forest habitat. This high mortality rate of conifer trees is a result of several stressors impacting these trees. The stressors include drought, small tree crowding, and understory debris and shrub growth. These sites are within or near areas of moderate to heavy juniper invasion. Under present conditions, juniper trees will continue to invade and gradually become the dominant species. The present site conditions of these sites are very favorable for juniper expansion. A forest health treatment of debris and small shrub removal, small tree thinning, and planting of mixed conifer will be needed to prevent junipers from becoming dominant on the site. These areas, when looked at as an individual site have small acreage. However, when viewed cumulatively, this will amount to several thousand acres of forest land within the Modoc Plateau Ecoregion.

- **Forests at risk of conversion to other uses, including development and agriculture.**

N/A

- **Previously treated areas that are in need of follow-up "maintenance" treatments, which are generally less costly and may be able to be accomplished via prescribed fire.**

Projects, on a somewhat smaller scale, were implemented several years ago in response to create fire safe conditions and are now in need of a retreatment to remain effective. These are primarily private land parcels located in the rural housing and wildland interface zone. These are areas with several grouped parcels of private with a residence and outbuildings on each parcel. These areas are generally located above the valley floor and are within the dry conifer forest or sagebrush steppe vegetated communities. If not maintained periodically, they become an increasing threat of starting a wildland fire.

b. *Describe the watershed's current condition and cite any formal studies, reports, or research papers that support the description. Do not attach the actual studies or reports; citations are sufficient.*

Vegetative conditions

Many of the region's plant communities and ecosystems have been substantially altered or degraded over the last 120 years by a combination of stressors. Despite being in one of the least-developed regions of the state, the sagebrush, perennial bunchgrass, aspen, bitterbrush, and mountain mahogany habitats of the Modoc Plateau are among the most threatened ecosystems of North America (TNC 2001). Aspen stands are in sharp decline (Di Orio et al. 2005). Many of the meadow and riparian areas are overgrazed or are suffering from encroachment by juniper, pine, fir, and invasive plants (Loft et al. 1998, USFS 2001, 1991b). The major stressors negatively affecting terrestrial wildlife on the Modoc Plateau are a combination of livestock and feral horse grazing, invasive annual grasses, the expansion of native western juniper and altered frequencies of fire. Together, these stressors have combined to alter the region's sagebrush and forest habitats and ecosystems (Miller et al. 1994, Schaeffer et al. 2003).

Riparian and wetland areas

The Pit River Watershed contains a diverse range of habitats, supporting unique natural faunas, which include federal and state recognized endangered, threatened or at-risk species. Alteration of aquatic, riparian and wetland habitat through past land and resource management activities has altered the natural functioning of the Pit River and of its tributaries. The result is increased erosion, increased bank loss and drying up of once moist meadow areas. Extensive season-long grazing continues to degrade and prevent recovery of riparian habitats, streams, and creeks. In the forested areas, the additional effects of timber-management practices that emphasize single species and even-aged tree stands

negatively affect wildlife habitat. Aquatic ecosystems throughout the region are affected by water diversions, erosion from logging roads, grazing activities, and introductions of non-native fish and invertebrates.

River and Streams

Based on past studies and the 2004 Upper Pit River Watershed Assessment, several water quality constituents are considered to be stressful or limiting for aquatic life in and Pit River and some and some reaches of tributary streams. Those constituents are temperature, low dissolved oxygen, sediment concentrations, and nutrients. In addition, recreational use and general aesthetics are adversely impacted by high turbidity and E. coli levels in the watershed. Seasonal low flows in the Pit River and its numerous tributary streams cause adverse impacts to aquatic life, water-dependent aquatic habitat, recreation use, agricultural irrigation, and water quality.

Private land owners, state and federal land management agencies, resource conservation districts, watershed groups, and fishing and hunting organizations, working through various partnerships are involved in stream, riparian, wetland, and upland restoration and conservation projects across the region.

- c. Describe how the watershed coordinator would benefit the watershed. The response should address *the watershed-related goals in your organization's strategic or long-range plan*,

The Modoc RCD is an active participant in the development and implementation of the updated Upper Pit River IRWM Plan and Strategy. This Plan has been officially adopted the Board of Directors and the watershed related goals in that plan are a part of the RCD's long-range plan. The watershed related goals and objectives listed below will be the focus of the primary work tasks of this proposal.

- Improve water quality in the watershed and tributary streams.
 - Improve overall water quality in the Pit River and tributaries by implementing actions that address problem conditions (e. g. low seasonal base flow, excessive channel erosion, degraded aquatic habitat, etc.)
- Reduce river and stream channel erosion.
 - Restore and sustain river/stream channels and floodplain function.
 - Where natural, historic function cannot be restored, stabilize river and stream channels to minimize erosion.
 - Assist landowners to develop sustainable restoration and management practices for controlling stream/river erosion.
- Sustain and improve aquatic, riparian, and wetland communities.
 - Sustain and improve native aquatic communities to maintain their roles in the ecosystem.
 - Sustain and improve aquatic habitat in order to provide habitat function for aquatic and terrestrial communities.
 - Sustain and improve riparian vegetative communities in order to provide habitat function aquatic and terrestrial communities.
- Sustain and improve upland vegetation and wildlife communities.
 - Restore and sustain the following ecosystems: sagebrush steppe, forest, aspen, and meadow and grasslands.
 - Sustain and improve native wildlife communities to maintain their roles in the ecosystem.

- Encourage collaboration between stakeholders in sub-watersheds with mixed jurisdictions.
- Support Community sustainability by strengthening natural resource-based economies.
 - Support economic development opportunities that sustain and improve watershed health.
 - Explore the potential and develop renewable energy businesses.
 - Maintain a sustainable timber industry.
 - Use conservation enhancements for natural resource management and provide for sustainable family agricultural operations.
 - Enhance hunting and other outdoor recreational opportunities and awareness.

d. *The connection between the Forest Carbon Plan and those goals.*

e. *How a watershed coordinator would help your organization achieve these goals*

The watershed coordinator would help the Modoc and Goose Lake RCD's achieve these goals is increasing the capacity to identify, plan and implement watershed and forest health restoration on private lands within the Modoc Plateau Ecoregion. The main mission of both RCD's is to help private landowners implement resource conservation and restoration projects on their property. We don't manage these lands and so we don't choose the site to implement a project. Landowners have to bring the site to us. The Districts need to be active in three activities to make our mission successful. This includes outreach, project analysis and project planning. The watershed coordinator will help increase our capacity within those three activities. Increased outreach will help us introduce ourselves to more landowners and help more landowners introduce themselves to us. Project analysis will be increased, resulting in having more projects to match-up with the various funding sources as they become available. Project planning will increase with the results getting more adjacent landowners, agencies, and organizations involved, which provides for more ideas, solves complex problems, and increased matching funds. This increase in greater collaboration with watershed stakeholders results in the implementation of better resource conservation and restoration projects. Specific activities the watershed coordinator would focus on most to accomplish these goals include:

- a. Collaboration with landowners and other stakeholders in the development of watershed restoration project concepts and designs. The project concepts will consider the needs and resource values at the sub-watershed scale. The watershed coordinator would direct the initial stages of project implementation to have a completed design for the restoration of the sub-watershed area. The completed design would include identification and participation of all partners to be involved in the project.
- b. Participate as a member of the Upper Pit River Watershed Group. Coordinate watershed activities within the Goose Lake RCD and Modoc RCD, illustrating the needs of the area to the Water Management Group and demonstrate the ties of local project proposals with the goals and objectives of the Upper Pit River IRWM Plan and state directive

f. *Specific problems and issues on public and/or private land within the watershed.*

The issues many of the stakeholders are concerned with in the Modoc Plateau Ecoregion include the following.

The drastic increase in wild horse numbers occurring on the public lands within the Modoc Plateau Ecoregion. These numbers are near 1,000 head over what should be there. The impacts to the land are those issues resulting from overgrazing, such as degraded meadows, over utilization of upland grasses

resulting increases in sagebrush and juniper cover. This problem is spilling over to private lands. There is concern over the agencies ability to control the wild horse numbers. The solution is very divided over potential solution to the problem.

The increase of juniper is another issue that raises concern for many stakeholders interested in the Upper Pit Watershed. Juniper has had serious impacted on many of the natural wildlife habitats. This issue is also not without controversy on how and when this problem should be dealt with.

Economics is another issue of concern for citizens living within the Modoc Plateau Ecoregion, no jobs and very few businesses. The main concern is a focus on the vast area of natural resources within the Modoc Plateau Ecoregion and how these resources can be used to create more jobs and businesses and sustain them for the long term into the future.

The other issue surrounds the area of management of federal and state lands and if management actions are proper and timely. This This issue also contains a high degree of controversy, ranging from increased use and development to preservation.

g. How a watershed coordinator would help to address these problems.

A watershed coordinator would help address these problems by increasing the RCD's capacity to become a full-time participant in the general conversation and actively involved with working groups trying to find common ground with these issues, provide education and approach innovative ideas. The watershed coordinator will also help by being a voice between government agencies and private landowners, which can often help the stakeholder group find common ground.

h. Direct benefits a watershed coordinator would provide to the watershed and what methods will be used to measure and evaluate the watershed coordinator's direct benefits to the watershed. Any existing watershed coordination efforts currently in place, gaps in coordination, and how the watershed coordinator will fill those gaps.

The watershed coordinator will provide two direct benefits to the restoration efforts within the Modoc Plateau Ecoregion. The first is the increased capacity to coordinate and collaborate with agencies, organizations, landowners and other stakeholders. The measurement and evaluation of this benefit becomes a little subjective, but units would include total hours spent on this task. A secondary evaluation unit would include the number of new partners participating in project development. The second benefit is the development of shovel ready forest health restoration projects. The evaluation unit would be the number of sub-watershed scale restoration plans completed.

The gaps we have in coordination are the results of part time RCD's staff with very little funding and is dependent on specific on the ground restoration projects. The Modoc RCD has one part-time business manager and one part-time project coordinator. The Goose Lake RCD has one part-time business manager working less than 5 hours per month. Their funding is only available when the RCD has an on-going implementation grant. The watershed coordinator would fill this gap by being full-time and the funding is not linked to a specific on the ground implementation project.

Consistency with the recommendations of the Forest Carbon Plan (25 Points)

List the overall goal(s) that the watershed coordinator will focus on during the grant period. Goals are a statement of the long-term, broad vision for the watershed; they should exhibit significant benefits for the watershed and may take a while to achieve. For example, a goal may be: To improve forest health in the XYZ River watershed.

Goal 1- Improve hydrologic function of the water cycle on upland, intermixed dry forest, sage-steppe, and mountain meadow ecosites within the Modoc Plateau Ecoregion.

Relation to Forest Carbon Plan recommendations or actions

3.1.5 - Restore mountain meadow habitat, 3.1.1 – improve health and resilience on private/state/local lands.

The following task and related sub-tasks meet the required activity 1 supporting local watershed actives by prioritize and development of a watershed improvement plan to implement forest health objectives. This task and related sub-tasks meet the eligible activities 1 improving forest management restoration through collaboration and implementation of forest restoration practices.

Task 1– Develop landscape-based watershed restoration plans focused on private non-commercial forest land within the Modoc Plateau Ecoregion. Develop list of prioritized planning areas based on collaboration with landowners and interested stakeholders.

Performance measures

Number of plans completed

Total number of acres with completed restoration planning

Sub-task 1a– Complete phase 1 of the restoration plan by identification of the sub-watershed area, identify all adjacent land ownerships and develop a list of potential partners for participation and match funding of the watershed restoration project.

Performance Measures

Number of partners participating in restoration plan.

Sub-task 1b– Complete phase 2 of the restoration plan by conducting a scoping process with all partners and interested stakeholders to identify restoration needs and types of projects being implemented to improve watershed health in the forest, shrub, and wetland communities within the project area.

Sub-task 1c– Complete phase 3 of the restoration plan by completing CEQA, permitting requirements, and project designs.

Performance Measures

Number of projects shovel ready

Goal 2- Support and encourage better coordination and collaboration within the Modoc Plateau Ecoregion and adjacent ecoregions.

Relation to Forest Carbon Plan recommendations or actions and required and eligible actives.

3.4 – Create capacity for collaborative planning and implementation at landscape or watershed level.

The following task and related sub-tasks meet the required activity 1) supporting local watershed actives by prioritize and development of a watershed improvement plan to implement forest health objectives, 2) Facilitate and improve coordination and assistance between government agencies, other organizations, diverse watershed stakeholders, and community members to meet the goals of the forest carbon plan This task and related sub-tasks meet the eligible activities 1 improving forest management restoration through collaboration and implementation of forest restoration practices

Task 2– Actively participate in the implementation of the Upper Pit River IRWM Plan and Strategy as a member of the Regional Water Management Group. Represent the needs and issues of the Modoc and

Goose Lake RCDs, with a focus on those needs that will implement an action or recommendation in Forest Carbon Plan.

Performance measures

Number of meetings attended

Sub-task 2a – Report to the Goose Lake and Modoc RCDs board of directors on Regional Water Managers Group Meeting covering agendas, issues and decisions pertaining to the Modoc Plateau Ecoregion.

Performance Measures

Number of joint reports made per meeting.

Sub-task 2b– Report to local interested stakeholders on Regional Water Managers Group Meeting covering agendas, issues and decisions pertaining to the Modoc Plateau Ecoregion.

Performance Measures

Number agency and organizations collaborated with.

Goal 3- Support community sustainability by strengthening natural resource-based economies.

Relation to Forest Carbon Plan recommendations or actions.

3.3 – Search for innovative solutions for wood products and biomass utilization to support ongoing forest management activities.

This task and related sub-tasks meet the required activity 2) Facilitate and improve coordination and assistance between government agencies, other organizations, diverse watershed stakeholders, and community members to meet the goals of the Forest Carbon Plan This task and related sub-tasks meet the eligible activities 5 Support wood products innovation to participate in or support activities that facilitate research and use of wood or manufactured wood products.

Task 3– 1 Explore the potential for new businesses and support for existing renewable energy business.

Performance measures

Number of hours working on the task and contact with regional businesses and entrepreneurs.

Sub-task 3a – Explore participation in existing biofuels opportunities such as Lakeview biofuels project, local uses of outdoor wood Furness and additional uses of juniper chips.

Performance Measures

Number of hours working on the task and contact with regional businesses and entrepreneurs.

Collaboration (25 Points)

- I. Describe any existing partnerships that will be leveraged to meet the goals identified above.

The existing active local partnerships include Cal-Neva Resource Conservation & Development District, The Upper Pit River Water Management Group, U S Fish and Wildlife Service (partners Program), NRCS, and the River Center are long term partners we have worked closely with since the start of Upper Pit River IRWM planning process. Their contribution to this proposal is an in-kind match by providing staff services to assist restoration identification and design. This partnership included collaborating in the development of the goals and objectives for the upper Pit River area. The relationship with these entity's is a common ground platform

for developing restoration efforts that will benefit all the stakeholders within this watershed area, This local effort was also part of the Upper Pit River IRWM planning process, which was a collaborative effort to identify integrated long-term management actions to improve watershed conditions through an active community participation. The IRWM Plan fostered the participation and support of 24 agencies and organizations in the implementation of the goals and objectives presented in the plan. The collaboration is an ongoing activity to identify and gain support for projects to be implemented in the coming year. Two entities that this past year have joined our local group of partners is California Deer Association and the Modoc County Office of Emergency Services.

Consistency with additional planning efforts (15 Points)

Describe how the proposal will complement other planning efforts in the watershed. How does the proposal support published watershed goals identified by the State or other entities?

This proposal will complement the planning efforts of the Upper Pit River IRWM Plan and Strategy by including a forest component which will addresses the forest health needs of the northern half of the Modoc Plateau Ecoregion. The Modoc RCD and Goose Lake RCD have not had the capacity to adequately addressed forest health needs by not including forest health projects within the IRWM Plan's proposed project list. This proposal will provide the capacity to both districts to emphasize the forest resources needs of the area and to include forest health proposals in the implementation section of the IRWM Plan.

The Modoc RCD recently submitted a grant application to the Sierra Nevada Conservancy to complete a watershed restoration plan at the sub-watershed level. This is our first proposal to develop a watershed restoration plan at the sub-watershed level and include a forest health component. Whether or not this proposal gets funding, this will be a good point for the Watershed Coordinator to start by implementing or refining the proposal for a future grant application.

This proposal will support watershed goals identified by regional and state entities. The goals in this proposal are based on goals in the IRWM Plan. The IRWM goals were developed using published goals such as State Water Plan etc..

Co-benefits (10 Points)

Provide a qualitative description of the co-benefits anticipated to result from successful completion of the proposed tasks

The successful completion of the proposed tasks of completing a watershed scale forest health restoration plan will have several co-benefits once the proposed projects are implemented. The results of restoration on the Modoc Plateau will increase plant diversity in the dry forest and sage steppe communities. The vegetative change will benefit wildlife habitat, benefiting deer and sage grouse numbers, and improve mountain meadows for many birds and small animals. Working with our River Center partner, the implementation of the proposed projects will provide educational opportunities especially for grade school age children.

At the planning stage of a landscape scale restoration effort, it is difficult to present quantitative data on benefits. However, this planning effort is the first step in implementing resource changes on the ground. It

also is the first step to get participation of partners and leverage matching funds to help with the cost of project design and implementation.

Long-term success (5 Points)

Describe any methods or plans to sustain the watershed coordinator position and build upon the accomplishments of the work plan beyond the life of the grant. Include an explanation of how the organization will attempt to maintain funding for the watershed coordinator position after the grant term

The purpose of the watershed coordinator is to build the RCD's capacity to engage partners, secure funding and identify a variety of restoration projects mainly on private lands. The two-year term of this position will focus on engaging partners, beyond what we already have, to join us in the landscape scale forest health restoration planning. This will broaden our focus from streams and wet-land restoration to include an entire watershed. This proposal will increase the type and number of grants we can apply for, which will increase the agencies and organizations willing to participate as a partner. As this process continues, this planning effort will provide us with a diverse range of quality restoration projects with broad support from the watershed community. As our capacity increases our ability to fund this position with other sources of money also increases.

3. Work plan

Applicants must provide a detailed work plan that specifies the tasks, subtasks, and performance measures that will be performed during the grant term. The work plan will also include a schedule of target completion dates and cost estimates. The schedule should be of sufficient detail to allow assessment of the progress through the work plan at regular intervals. Cost estimates should be consistent with the budget. If awarded funding, this work plan will be incorporated into the Grant Agreement.

TASK 1: Develop landscape-based watershed restoration plans focused on private non-commercial forest land within the Modoc Plateau Ecoregion. Develop list of prioritized planning areas based on collaboration with landowners and interested stakeholders.	Timeline [Start and End Date]	Total Requested Grant Funds
<p>Subtask a: Complete section 1 of the restoration plan by identification of the sub-watershed area, identify all adjacent land ownerships and develop a list of potential partners for participation and match funding of the watershed restoration project.</p> <p>Subtask b: Complete section 2 of the restoration plan by conducting a scoping process with all partners and interested stakeholders to identify restoration needs and types of projects being implemented to improve watershed health in the forest, shrub, and wetland communities within the project area.</p> <p>Subtask c: Complete section 3 of the restoration plan by completing CEQA, permitting requirements, and project designs.</p> <p>Performance Measures: Number of plans completed and Total number of acres with completed restoration planning. Number of partners participating in restoration plan. Number of projects shovel ready</p>	<p>4/2019-6/2019 1/2020-6/2020</p> <p>7/2019-9/2019 7/2020-12/2020</p> <p>10/2019-12/2019 1/2021-4/2021</p>	<p>\$138,366</p>
<p>TASK 2: Actively participate in the implementation of the Upper Pit River IRWM Plan as a member of the Regional Water Management Group. Represent the needs and issues of the Modoc and Goose Lake RCDs, with a focus on those needs that will implement an action or recommendation in Forest Carbon Plan.</p>		
<p>Subtask a: Report to the Goose Lake and Modoc RCDs board of directors on Regional Water Managers Group Meeting covering agendas, issues and decisions pertaining to the Modoc Plateau Ecoregion.</p> <p>Subtask b: Report to local interested stakeholders on Regional Water Managers Group Meeting covering agendas, issues and decisions pertaining to the Modoc Plateau Ecoregion.</p> <p>Performance Measures: Number of meetings attended. Number of joint reports made per meeting. Number agency and organizations collaborated with.</p>	<p>4/2019-4/2021</p> <p>4/2019-4/2021</p>	<p>\$57,652.50</p>
<p>TASK 3: Explore the potential for new businesses and support for existing renewable energy business.</p>		
<p>Subtask a: Explore participation in existing biofuels opportunities such as Lakeview biofuels project or local uses of outdoor wood Furness.</p> <p>Performance Measures: Number of hours working on the task and contact with regional businesses and entrepreneurs.</p>	<p>4/2019-4/2021</p>	<p>\$34,591.50</p>
	<p>GRAND TOTAL</p>	<p>\$230,610</p>

4. Budget applicants must provide a budget broken down by cost type and by task. All costs must be eligible. Applicants may use the Excel template provided. If awarded funding, this Budget will be incorporated into the Grant Agreement.

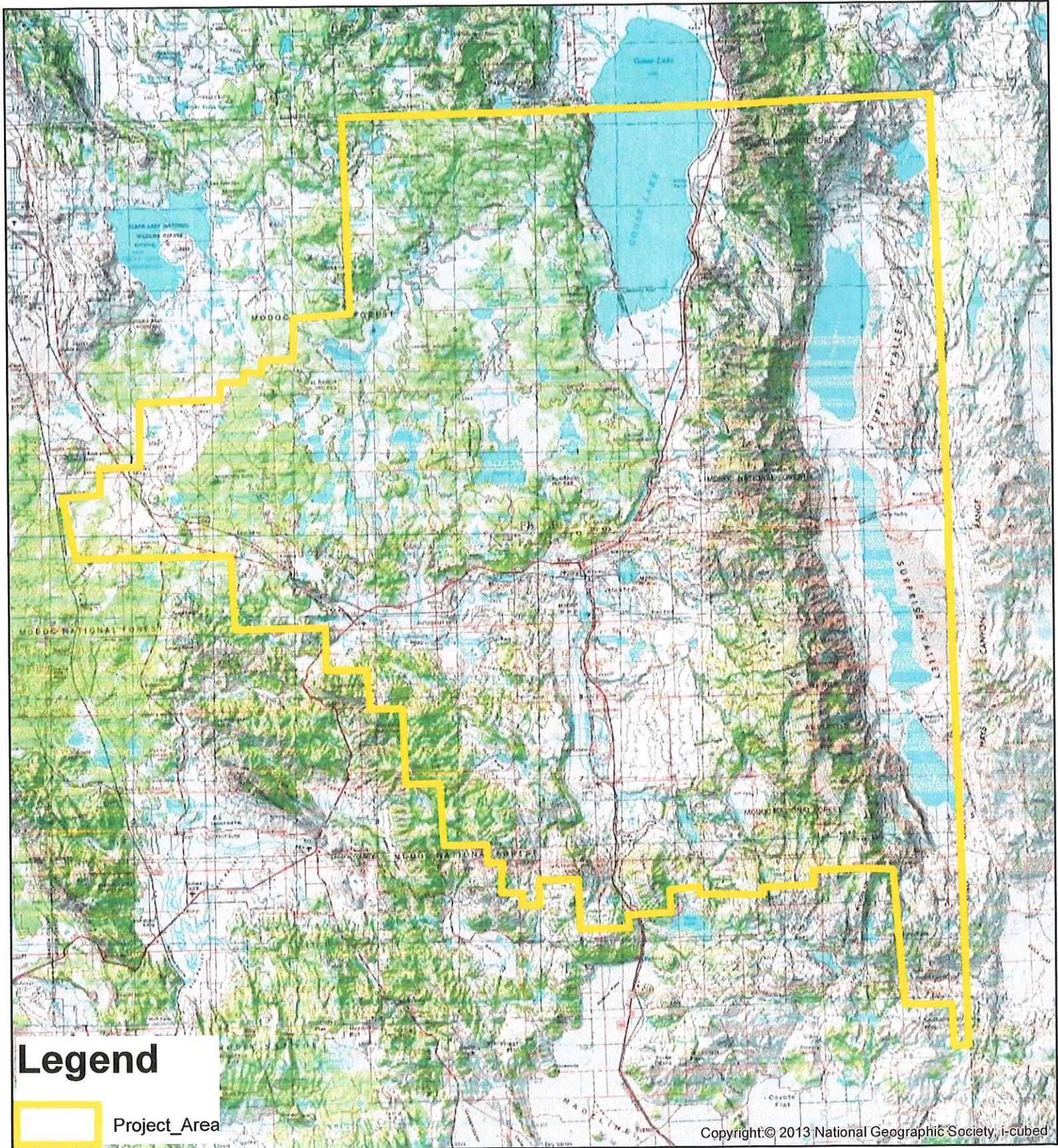
PERSONNEL	Hourly Rate/ Unit Cost	Number of hours/units	Task 1	Task 2	Task 3	Task ...	Total Requested Grant Funds
Watershed Coordinator A	\$42.77	4,160	\$106,753.80	\$44,480.75	\$26,688.45	-	\$177,923
Watershed Coordinator B						-	
		Subtotal	\$106,753.80	\$44,480.75	\$26,688.45	-	\$177,923
TRAVEL COSTS							
Travel: Within watershed	\$0.55/mile	28,182 Miles	\$9,300	\$3,875	\$2,325	-	\$15,500
Travel: To required meetings	\$500/Trip	21 Trips	\$6,300	\$2,625	\$1,575	-	\$10,500
		Subtotal	\$15,600	\$6,500	\$3,900	-	\$26,000
ADMINISTRATIVE COSTS (maximum of 20% of grant)							
Example: Utilities and Maintenance	\$180.75/Mon	24 Mon	\$2,602.80	\$1,084.50	\$650.7	-	\$4,338
Example: Supplies	\$222.38/Mon	24 Mon	\$3,202.20	\$1,334.25	\$800.55	-	\$5,337
Example: Board Travel/Training	\$500/Trip	2 Trips	\$600	\$250	\$150	-	\$1,000
Example: Legal or Management staff	\$667.17/Mon	24 Mon	\$9,607.20	\$4,003	\$2,401.80	-	\$16,012
		Subtotal	\$16,012.20	\$6,671.75	\$2,401.80	-	\$26,687
		TOTAL	\$138,366	\$57,652.50	\$34,591.50	-	\$230,610

5 Map(s) of the project geographic area
Project Area
RCD Jurisdictions
HUC 8 Watersheds in the Project Area

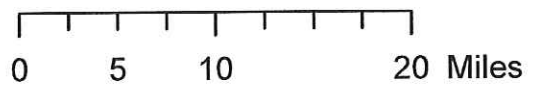
Modoc & Goose Lake RCDs Forest Health Watershed Coordinator Project Area



Date: 2/11/2019



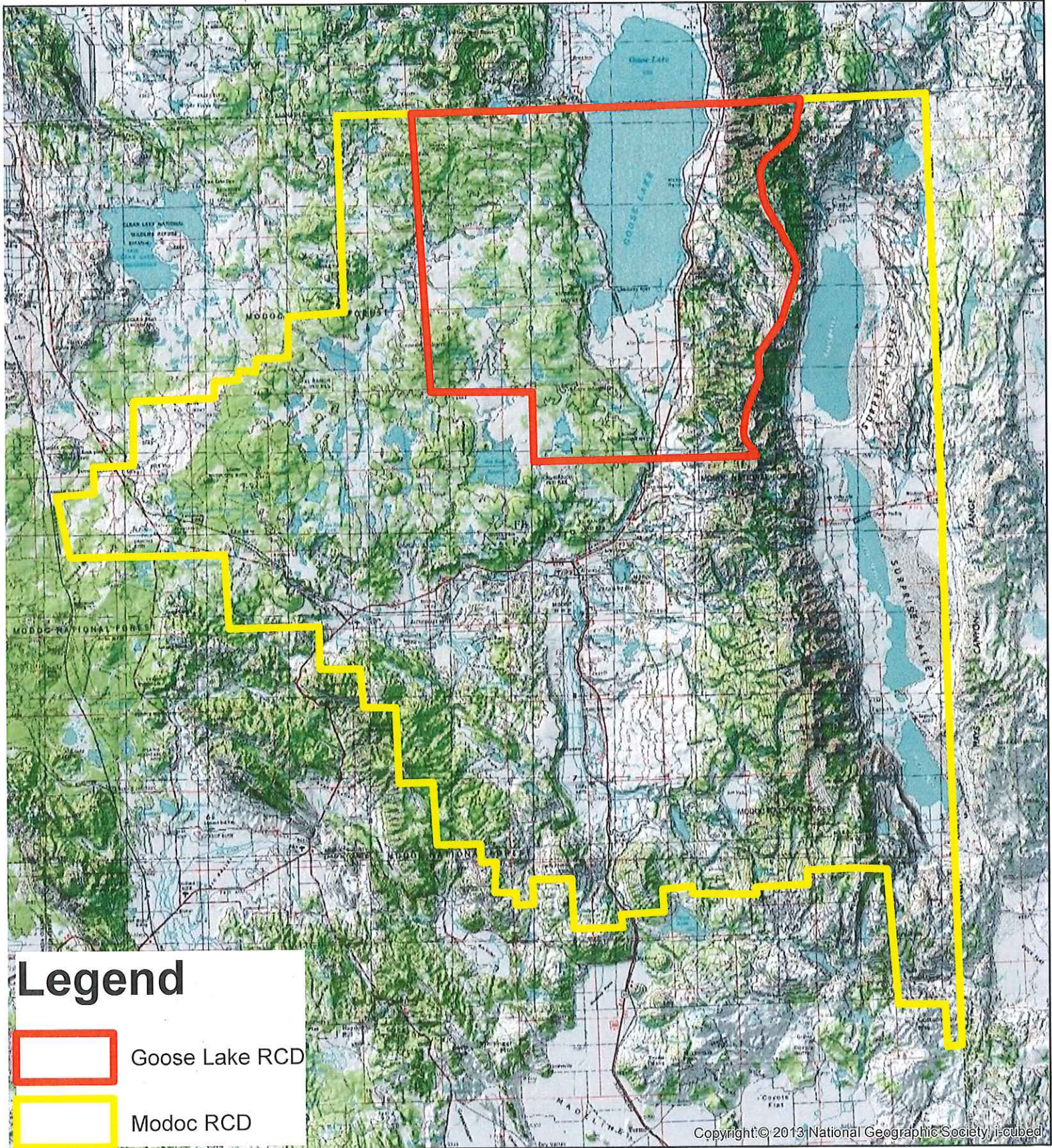
Total Acres: 1,915,567



Modoc & Goose Lake RCDs Forest Health Watershed Coordinator RCD Jurisdictions



Date: 2/11/2019



Legend

-  Goose Lake RCD
-  Modoc RCD

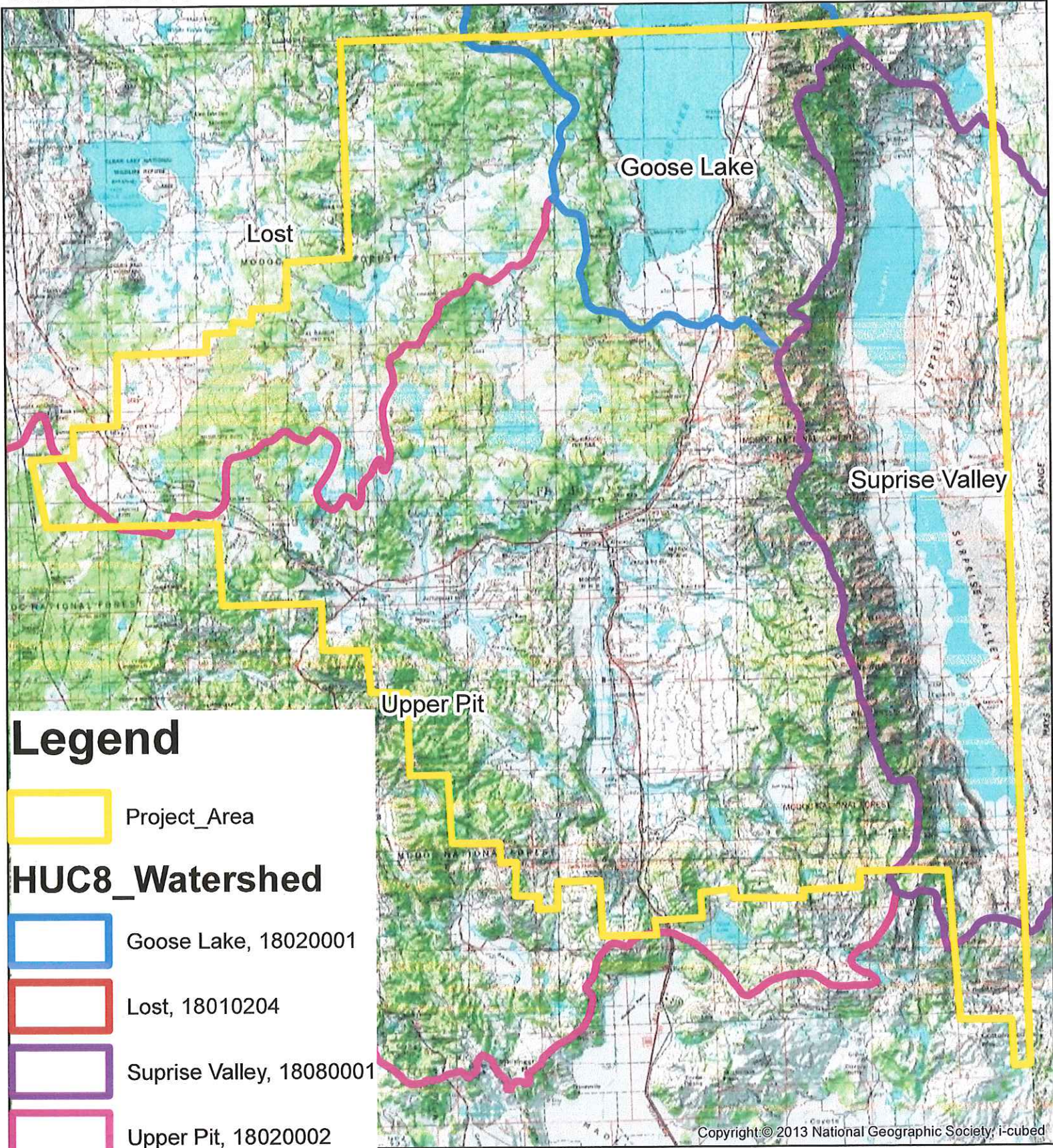
Copyright © 2013 National Geographic Society, i-cubed

Total Acres: 1,915,567



Modoc & Goose Lake RCDs Forest Health Watershed Coordinator HUC 8 Watersheds in the Project Area

Date: 2/11/2019



Total Acres: 1,915,567

0 5 10 20 Miles

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6. Signed authorizing resolution

***Modoc Resource Conservation District Resolution
Goose Lake Resource Conservation District
Goose Lake RCD Modoc RCD MOU***

RESOLUTION NO. 2018-3
September 18, 2018
BOARD OF DIRECTORS
MODOC RESOURCE CONSERVATION DISTRICT
COUNTY OF MODOC, STATE OF CALIFORNIA

A RESOLUTION OF THE
MODOC RESOURCE CONSERVATION DISTRICT
IN THE MATTER OF THE APPLICATION AND EXECUTION OF THE
AGREEMENT FOR THE SNC DRY CREEK RESTORATION FINAL APPLICATION

WHEREAS, Resolution 2018-3 of the Modoc Resource Conservation District, adopted by the Board of Directors on September 18, 2018, provides for the application and execution of the agreement and any amendments thereto, and indicates the authorized representative by title as the following: The President of the Board of Directors.

WHEREAS, the Legislature and Governor of the State of California have provided Funds for the program shown above; and

WHEREAS, the Sierra Nevada Conservancy (SNC) has been delegated the responsibility for the administration of a portion of these funds through a local assistance grants program, establishing necessary procedures; and

WHEREAS, said procedures established by the Sierra Nevada Conservancy require a resolution certifying the approval of application(s) by the Applicant's governing board before submission of said application(s) to the SNC; and

WHEREAS, the Applicant, if selected, will enter into an agreement with the SNC to carry out the project; and

WHEREAS, the Modoc Resource Conservation District has identified the Dry Creek Restoration as valuable toward meeting its mission and goals.

NOW, THEREFORE, BE IT HEREBY RESOLVED by the Board of Directors of the Modoc Resource Conservation District tht this Board:

- Approves the submittal of an application for the Dry Creek Restoration project; and
- Certifies that Applicant understands the assurances and certification requirements in the application; and
- Certifies that Applicant or title holder will have sufficient funds to operate and maintain the resource(s) consistent with the long-term benefits described in support of the application; or will secure the resources to do so; and
- Certifies that Applicant will comply with all legal requirements as determined during the application process; and
- Appoints Richard Westman, or designee, as agent to conduct all negotiations, execute and submit all documents, including but not limited to: applications, agreements,

payment requests, and so on, which may be necessary for the completion of the
aforementioned project(s).

PASSED AND ADOPTED by the MODOC RESOURCE CONSERVATION DISTRICT on the
18th day of September, 2018.

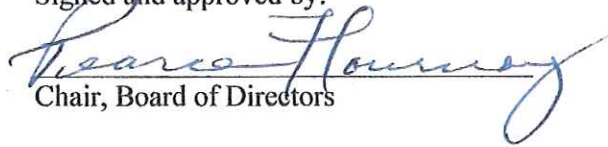
Ayes: Pearce Fournoy, Jess Dancer, Stacey Hafen, Dick Mackey

Noes: NONE

Abstentions: NONE

Absent: Erika Forrest, Spencer Smith, Laurie Wayne

Signed and approved by:


Chair, Board of Directors

RESOLUTION NO. 2019-1
February 12, 2019
BOARD OF DIRECTORS
GOOSE LAKE RESOURCE CONSERVATION DISTRICT
COUNTY OF MODOC, STATE OF CALIFORNIA

A RESOLUTION OF THE
GOOSE LAKE RESOURCE CONSERVATION DISTRICT
IN THE MATTER OF THE APPLICATION AND EXECUTION OF THE
AGREEMENT FOR THE DOC FOREST HEALTH WATERSHED COORDINATOR
GRANT APPLICATION

WHEREAS, Resolution 2019-1 of the Goose Lake Resource Conservation District, adopted by the Board of Directors on February 12, 2019, provides for the application and execution of the agreement and any amendments thereto and indicates the authorized representative by title as the following: The President of the Board of Directors.

WHEREAS, the Legislature and Governor of the State of California have provided Funds for the program shown above; and

WHEREAS, the Department of Conservation (DOC) has been delegated the responsibility for the administration of a portion of these funds through a local assistance grants program, establishing necessary procedures; and

WHEREAS, said procedures established by the Department of Conservation require a resolution certifying the approval of application(s) by the Applicant's governing board before submission of said application(s) to the DOC; and

WHEREAS, the Modoc Resource Conservation District, if selected, will enter into an agreement with the DOC to carry out the project with the Healthy Forest Watershed Coordinator being shared between both districts; and

WHEREAS, the Modoc Resource Conservation District has identified the Healthy Forest Watershed Coordinator as valuable toward meeting both Districts mission and goals; and

WHEREAS, the Modoc Resource Conservation District and the Goose Lake Resource Conservation District both agree that the shared Healthy Forest Watershed will provide mutual benefits to both Districts and will be governed by Memorandum of Understanding signed by both Districts.

NOW, THEREFORE, BE IT HEREBY RESOLVED by the Board of Directors of the Goose Lake Resource Conservation District that this Board:

- Approves the submittal of an application by the Modoc Resource Conservation District for the Healthy Forest Watershed Coordinator, which will be shared between both districts; and
- Agrees the Modoc Resource Conservation District will administer the Grant and the position will be based out of Alturas, California.

PASSED AND ADOPTED by the GOOSE LAKE RESOURCE CONSERVATION DISTRICT
on the 12th day of FEBRUARY, 2019.

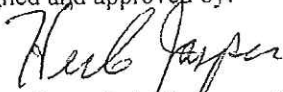
Ayes: Herb Jasper, Brian Ingraham, John Stringer, Richie Vaughan

Noes: NOES

Abstentions: NONE

Absent: Scott Wolf

Signed and approved by:

A handwritten signature in cursive script that reads "Herb Jasper".

Pres. Goose Lake Resource Conservation District

Memorandum of Understanding

This Memorandum of Understanding is made between Modoc Resource Conservation District and the Goose Lake Resource Conservation District.

Recitals:

WHEREAS, The Modoc Resource Conservation District has determined it has a need for a Forest Health Watershed Coordinator to increase its ability to assist private landowners with forest resources to implement actions recommended in the Forest Carbon Plan; and

WHEREAS, The Goose Lake Resource Conservation District has determined it has a need for a Forest Health Watershed Coordinator to increase its ability to assist private landowners with forest resources to implement actions recommended in the Forest Carbon Plan; and

WHEREAS, Both Districts have a significant acreage within their jurisdictional boundaries that are in poor health. The funding of a watershed coordinator will increase their ability to identify and develop forest health restoration plans, in which the result will be improvement in management and reduce the incidents of high intensity wild fires; and

WHEREAS, The Department of Conservation has a request for applications for grant funding for a limited number of such positions within northern California; and

WHEREAS, the Modoc Resource Conservation District and Goose Lake Resource Conservation District wish to increase their opportunity to get funding with a proposal to share a single position between them. This will result in implementing a forest health initiative over a larger area and make the position more efficient in accomplishing the proposed tasks.

NOW, THEREFORE, the Parties agree as follows:

1. The Modoc Resource Conservation District will submit the Forest Health Watershed Coordinator Grant Application to the Department of Conservation with a project area comprised within the boundaries of the Goose Lake and Modoc Resource Conservation Districts.
2. Both Districts agree to meet twice a year, once in the spring and once in the fall to review and approve the proposed work schedule, or to agree needed changes.
3. Both Districts agree that the administration of the grant will be completed by the Modoc Resource Conservation District and the Watershed Coordinator will be based out of Alturas.

IN WITNESS WHEREOF, the Parties hereto have caused this agreement to be executed as of the 12 day of February 2019.

Signed and approved by:

Stacey Hayes

Pres., Board of Directors

Interim President

Signed and approved by:

Neil Payton

Pres., Board of Directors

7. Collaboration and support letters



United States Department of the Interior Fish and Wildlife Service



Modoc National Wildlife Refuge
P.O. box 1610
5364 Co. Rd. 115
Alturas, CA 96101
(530)233-3572

Date 12/03/2018
Department of Conservation
Division of Land Resource Protection
Watershed Coordinator Program Manager

Subject: Modoc RCD Forest Health Watershed Coordinator Proposal

To Whom It May Concern:

On behalf of USFWS, Partners for Fish and Wildlife Program (PFW) I would like to express our support of the Modoc RCD proposal for a Forest Health Watershed Coordinator Proposal for a two-year position to assist with projects in the Upper Pit River Watershed. This position will collaborate with local landowners and stakeholders to identify watershed and forest health projects that address the State Water Action Plan.

This position will allow for increased collaboration among Local, State, Federal agencies as well as NGOs. Improving project availabilities, as well as capacity building, and training opportunities. These goals are in line with those of the Partners Program and many other management agencies in the area. By addressing wet meadow habitat on private lands, many sites have already had initial restoration practices by removing encroaching juniper.

Please accept this letter with the full support of the USFWS Partners for Fish and Wildlife Program, in consideration of funding the Forest Health Watershed Coordinator Position. The Partners Program will provide assistance to the Modoc RCD in support of the position for training, technical assistance, and individual project funding. Thank you for your consideration as the success of this application will greatly improve the success of habitat management goals within the Upper Pit River Watershed.

If there are any questions or concerns, please call me at (530) 233-3572.

Sincerely,

Cassandra Roeder

Cassie Roeder
Partners for Fish and Wildlife
Modoc National Wildlife Refuge



UNIVERSITY of CALIFORNIA
Agriculture & Natural Resources

Cooperative Extension
Modoc County

202 West 4th Street, Alturas, CA 96101
Telephone 530-233-6400 • Fax 530-233-5542
Website: <http://cemodoc.ucanr.edu>



February 13, 2019

To whom it may concern,

I am writing in support of the Modoc Resource Conservation District (MRCD) proposal for a watershed coordinator through the California Department of Conservation.

The University of California Cooperative Extension in Modoc County (UCCE-Modoc) has worked with the MRCD and many other government and non-governmental organizations to conduct natural resource research, restoration, and community outreach. I believe the watershed coordinator position would aid in the organization of our many stakeholder groups within the watershed. We need the watershed coordinator position in order to be more successful in identification, restoration, and management of our riparian areas and to help improve watershed health.

If the grant is successful, UCCE-Modoc will continue to work the MRCD and Gooselake RCD to help implement the watershed coordinator position and ensure their success in the region.

Thank you for your consideration.

Sincerely,

Laura Kay Snell

Laura Kay Snell
UCCE Modoc County
County Director
Livestock and Natural Resource Advisor



WILLIAM "TEX" DOWDY
Sheriff- Coroner

MODOC COUNTY SHERIFF'S OFFICE

102 South Court Street - P.O. Drawer 460 - Alturas, California 96101

Telephone : 530.233.4416 Fax : 530.233.1235 Email : tdowdy@modocsheriff.us

February 5, 2019

Dear Grant Committee:

I am writing this letter on behalf of the Modoc Resource Conservation District in support of the California Department of Conservation's Watershed Coordinator Grant to provide a full-time position for the Modoc RCD. We strongly support this grant application and the funding of a Coordinator position that is desperately needed in our county.

As an organization, the Modoc County RCD is known for their sound management of our natural resources. They have a stellar reputation for fostering partnerships and implementing conservation projects. Their continued success in educating not only landowners but the public about the importance of the health of our watershed and sustainable practices is commendable.

The Modoc County Sheriff's Office has been collaborating with Natural Resources partners for years. This year, we organized a Natural Resource Tour of recent fires in our area. Out of this tour, a working group was formed that will help with projects in Modoc County. We are proud to have Modoc RCD in our partnership and look forward to many years of working together to better our County. Having a Watershed Coordinator for Modoc County is vital. With over 4,200 square miles and the third-least populous county in California, there is an abundance of practices and projects that will benefit our region. In the event this proposal is funded, we would expect our role to be:

- Attend Modoc RCD meetings regularly or as requested
- Hosting any needed collaboration meetings with partners as requested by the RCD.
- Forming a genuine partnership with the Modoc RCD for the benefit of Modoc County
- Provide any necessary law enforcement requested
- Facilities Use
- Administration help with marketing, grant writing as time allows for our staff
- Public support via events, social media and networking

Thank you for your consideration. If you have any further questions, feel free to call my office at 530.233.4416.

Sincerely,

William "Tex" Dowdy

Modoc County Sheriff/Coroner



2/11/2019

Re: Watershed Coordinator Program

Dear Department of Conservation,

The Alturas Field Office of the Natural Resources Conservation Service (NRCS) has been working closely with the Modoc Resource Conservation District (RCD) and the landowners of Modoc County for decades. NRCS has used RCD's as the local voice and sounding board since they were created during the Dust Bowl era. NRCS in partnership with the RCD and both public and private landowners have completed several projects within Modoc County, including riparian health, forestry, livestock management and irrigation efficiency projects to conserve and improve water quality and overall watershed health. The NRCS Alturas service area includes all of the proposed project area, including both Modoc and Gooselake RCD jurisdictions.

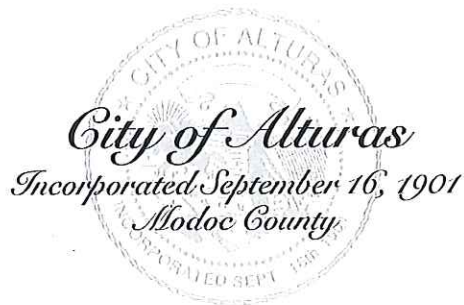
The Alturas Office not only supports the need for a watershed coordinator for the Modoc Plateau, but also the need for additional restoration in these watersheds. NRCS can contribute both office space and supplies, along with technical assistance to the Watershed Coordinator. We are looking forward to our continued partnership with the Modoc Resource Conservation District and the other members of this Watershed Group.

Should you have any questions please do not hesitate to contact me.

Sincerely,

Bryon Hadwick, District Conservationist
USDA-NRCS
530-233-4137 ext. 104
Bryon.Hadwick@ca.usda.gov

200 W. North St.
Alturas, CA 96101-3938



(530) 233-2512
Fax (530) 233-3559

February 13, 2019

TO: California Department of Conservation

FROM: City of Alturas

The City of Alturas would like to extend their support to the Modoc Resource Conservation District (RCD) in their efforts as they apply for funding that would help pay for the position of Watershed Coordinator. The City feels that this position would help as the city works to bring jobs to our community. This position could help bring a number of opportunities in the forestry management aspects of our community, by helping private land owners with the management of there property by reducing hazardous fuels, while at the same time creating better wildlife habitat for a number of species in our area. Specifically, forest edge habitat could be improved to provide feed for mule deer that have invaded the City of Alturas and consume large quantities of resident's ornamental plantings, harass resident's pets, cause traffic accidents, and drop manure in recreation areas on school grounds and back yards.

The City and the Modoc Resource Conservation District are both members of the Integrated Regional Water Management (IRWMP) group. Both agencies have been working together with other agencies in effort to help manage our resources. This opportunity would be a great benefit for both agencies and our community. The City of Alturas is the county seat for Modoc County. The city is situated in the middle of the Pit River watershed focus area that extends from Goose lake basin on the Oregon border to approximately five miles southwest of the community of Canby, CA. The focus area also includes the North and South Forks of the Pit River.

The City of Alturas is prepared to help support the Modoc RCD with its effort to improve forest health in our community by providing city staff and use of the City Hall for meeting space for workshops or public outreach events as the project moves forward.

Sincerely,

A handwritten signature in blue ink that reads 'Bobby Ray'.

Bobby Ray, Mayor

North Cal-Neva Resource Conservation and Development Council, Inc.
P.O. Box 1434
Alturas, CA 96101
Tel 530-233-4314 ext. 114
ncnrc_d@frontier.com



To conserve and develop our natural resources to fortify economic diversity through community participation

February 14, 2019

Re: Watershed Coordinator Program

Dear Department of Conservation Selection Officials,

The Modoc Resource Conservation District (RCD) and Goose Lake Resource Conservation District has partnered with the North Cal-Neva Resource Conservation and Development Council (RC&D) through membership with the Pit River Watershed Alliance (PRWA) and the Upper Pit River Integrated Regional Watershed Management (IRWM) Regional Water Management Group (RWMG) since inception. The North Cal-Neva RC&D Council service area includes all of the proposed project area including both Modoc RCD and Goose Lake RCD

The Modoc RCD and Goose Lake RCD have continued to collaboratively design and implement projects having multiple benefits. This work has served to improve riparian health, wildlife habitat restoration, forestry, livestock management and irrigation efficiency projects that work to improve water quality/quantity and over watershed health. The North Cal-Neva RC&D Council understands the challenges small districts have in meeting the needs of stakeholders while developing projects that address integrated watershed improvement. By having full-time staff, the district will be able to again outreach to stakeholders, identify crucial watershed issues, while identifying and planning projects that will address those vulnerable areas.

Past years have been difficult for smaller districts since organizational capacity funding has all but disappeared. The North Cal-Neva RC&D Council is in full support of the Modoc RCD/Goose Lake RCD partnership and application to fund full time staff. We look forward to working with the Modoc RCD/Goose Lake RCD on projects that will be developed with a fully funded Watershed Coordinator.

If you have any questions, please feel free to contact me at 530-233-4314 ext. 114

Sincerely,

A handwritten signature in blue ink, appearing to read "Jim Wilcox", is written over the printed name.

Jim Wilcox
Interim Chairmain
North Cal-Neva RC&D Council, Inc.

**UPPER PIT RIVER IRWM
REGIONAL WATER MANAGEMENT GROUP**

P.O. Box 1434
Alturas, CA 96101
530.233.4314 ext. 114

February 7, 2019

RE: Watershed Coordinator Program

Dear Department of Conservation,

The Modoc Resource Conservation District (RCD) and the Goose Lake Resource Conservation District has been a member of the Upper Pit River Integrated Regional Water Management (IRWM) Regional Water Management Group (RWMG) since inception. By participating in integrated watershed management with the Upper Pit River RWMG, crucial work on a watershed level basis with federal, state and private partners has and will continue with assessment of our region and encourage collaboration to identify, design and implementation of projects that benefit the Upper Pit River region which includes both public and private lands. As a result of ongoing work, they continue to successfully implemented projects, having multiple benefits that improve riparian health, forestry, wildlife habitat, livestock management and irrigation efficiency.

The Upper Pit River IRWM RWMG partnerships encourage collaboration on water conservation and restoration projects. The Upper Pit River RWMG is in total support of the Modoc RCD/Goose Lake RCD partnership and efforts to acquire capacity funding for a full-time Watershed Coordinator and look forward to working with them in the future on watershed improvement.

Sincerely,



Stacey Hafen
Regional Water Management Group Coordinator
Upper Pit River IRWM

8. Proof of applicant capacity

The Modoc RCD's board of directors, business manager and project coordinator have experience in invoice and billing, reporting and task management with several projects of this magnitude. In the last three years, the staff managed two grants with DWR. The first was an irrigation efficiency project and the other was a stream restoration project located on the Pit River. DWR required one application the Upper Pit River IRWM , with the applicant being the North Cal-Neva Resource Conservation and Development Council the applicant. Other entities in the IRWN area submitted projects as a sponsor. Enclosed is the grant application, tasks involved in the grant and budget. This information is provided for both projects. A resume or reference letter from the North Cal-Neva Resource Conservation and Development Council is also enclosed.

North Cal-Neva Resource Conservation and Development Council, Inc.
P.O. Box 1434
Alturas, CA 96101
Tel 530-233-4314 ext. 114
ncnrc_d@frontier.com



To conserve and develop our natural resources to fortify economic diversity through community participation

February 7, 2019

Re: Watershed Coordinator Program

To Whom It May Concern:

The North Cal-Neva Resource Conservation and Development Council (RC&D) has partnered with Modoc Resource Conservation District (RCD) on critical watershed projects in the past. These important projects and multiple benefits have been the result of this collaboration and the partnership that has formed over many years.

Over the last five (5) years Modoc RCD has worked with the Upper Pit River Regional Water Management group (RWMG) on both the development and update of the Upper Pit River Integrated Regional Water Management Plan (IRWMP). Through this effort Modoc RCD has planned, developed and presented many projects for plan inclusion.

Modoc RCD has sponsored and successfully implemented two different projects with funding from the Department of Water Resources Proposition 84 IRWM Implementation grants submitted by the North Cal-Neva RC&D Council on behalf of the Upper Pit River IRWM RWMG. Through this funding Modoc RCD was able to replace critical aging water delivery infrastructure during the State of California's historical drought resulting in the reduction of water loss. Modoc RCD has also implemented critical streambank restoration along two different sections of the Pit River which eliminated streambank erosion resulting in restoration of critical riparian habitat.

The North Cal-Neva RC&D Council is impressed with the professionalism by which the Modoc RCD has managed these projects and appreciates the detail put into monthly documentation needed to comply with funders. These two projects totaling \$544,725 addressed critical water needs in the region and has helped stakeholders who rely heavily on dependable water delivery for crops.

The North Cal-Neva RC&D Council has complete faith that staff at Modoc RCD has the ability to develop and implement projects that improves the watershed as a whole in the Upper Pit River Region.

If you have any questions, please do not hesitate to call our office.

Sincerely,

A handwritten signature in blue ink that reads "Jim Wilcox".

Jim Wilcox
Interim Chairman
North Cal-Neva RC&D Council

**GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA (DEPARTMENT OF WATER RESOURCES) AND
NORTH CAL-NEVA RESOURCE CONSERVATION AND DEVELOPMENT COUNCIL, INC.
AGREEMENT NUMBER 4600011518
2015 PROPOSITION 84 INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) IMPLEMENTATION GRANT
CALIFORNIA PUBLIC RESOURCES CODE § 75026 ET SEQ.**

THIS GRANT AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" or "DWR" and the North Cal-Neva Resource Conservation and Development Council, Inc., a public agency in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Grantee", which parties do hereby agree as follows:

1. PURPOSE. State shall provide funding from the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 to Grantee to assist in financing projects associated with the Upper Pit River Watershed IRWM Plan pursuant to Chapter 8 (commencing with §79560) of Division 26.5 of the California Water Code (CWC), hereinafter collectively referred to as "IRWM Program."
2. TERM OF GRANT AGREEMENT. The term of this Grant Agreement begins on the date this Grant Agreement is executed by State, and terminates on December 31, 2017, or when all of the Parties' obligations under this Grant Agreement are fully satisfied, whichever occurs earlier. Execution date is the date the State signs this Grant Agreement.
3. GRANT AMOUNT. The maximum amount payable by the State under this Grant Agreement shall not exceed \$951,745.
4. GRANTEE COST SHARE. Grantee agrees to fund the difference between the Total Project Cost and the Grant Amount (amount specified in Paragraph 3). Grantee Cost Share consists of Funding Match and Additional Cost Share, as documented in Exhibit B (Budget). Additional Cost Share will not be reviewed by the State for invoicing purposes; however, the Grantee is required to maintain all financial records associated with the project in accordance with Exhibit I (State Audit Document Requirements and Funding Match Guidelines for Grantees).
5. FUNDING MATCH. Grantee is required to provide a Funding Match (non-State funds) of not less than 25 percent of the Grand Total of all the total project costs unless a Disadvantaged Community project waiver is granted. Grantee agrees to provide a Funding Match for the amount as documented in Exhibit B (Budget), and may include expenses directly related to Exhibit A (Work Plan) after January 1, 2011.
6. GRANTEE'S RESPONSIBILITY. Grantee and its representatives shall:
 - a) Faithfully and expeditiously perform or cause to be performed all project work as described in Exhibit A (Work Plan) and in accordance with Exhibit B (Budget) and Exhibit C (Schedule).
 - b) Accept and agree to comply with all terms, provisions, conditions, and written commitments of this Grant Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by Grantee in the application, documents, amendments, and communications filed in support of its request for Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 financing.
 - c) Comply with all applicable California laws and regulations.
 - d) Implement the Projects in accordance with applicable provisions of the law.
 - e) Fulfill its obligations under the Grant Agreement, and be responsible for the performance of the projects.
7. LOCAL PROJECT SPONSOR'S RESPONSIBILITY. Grantee shall assign Local Project Sponsors to act on behalf of Grantee for the purposes of individual project management, oversight, compliance, and operations and maintenance. Local Project Sponsors shall be assigned in accordance with the participating agencies identified in the Upper Pit Disadvantaged Communities' Human Right to Water and Drought Sustainability Projects grant application. Exhibit F identifies Local Project Sponsors. Local Project Sponsors shall also act on behalf of Grantee in the fulfillment of Grantee responsibilities where specifically specified in this Grant Agreement.
8. BASIC CONDITIONS. State shall have no obligation to disburse money for projects under this Grant Agreement until Grantee has satisfied the following conditions (if applicable):

PROJECT 2: Pit River Streambank Stabilization and Riparian Improvement with Floodplain Enhancement

IMPLEMENTING AGENCY: Modoc Resource Conservation District

PROJECT DESCRIPTION: The purpose of this project is to stabilize the streambank, restore the riparian corridor, and enhance the floodplain along the Pit River in Warm Springs Valley. Once complete, this project will reduce suspended sediment by an estimated 159 mg/L.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices
- Other Applicable Project Deliverables

Task 2 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 upon request

Task 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit (G) of this agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWR's comments. The report shall be prepared and presented in accordance with the provision of Exhibit G.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Budget Category (b): Land Purchase/Easement

Task 4 Land Purchase/Easement

No land acquisition or easement is anticipated for this project.

Budget Category (c): Planning/Design/Engineering and Environmental Documentation

Task 5 Feasibility Studies

Conduct feasibility analysis as part of the project development process. Consists of the use of an evaluation team composed of Natural Resources Conservation Service (NRCS) staff, Modoc RCD staff, and landowners to analyze different options for bank stabilization and riparian enhancement. This effort resulted in the completion and submittal of the IRWM Plan Project Form requesting inclusion in IRWM Plan. Technical references for this process may include Stream Corridor Restoration Principles, Processes, and Practices-Stream Corridor Restoration Handbook, 2001, California Riparian Habitat Restoration Handbook, 2009, and past project experiences of Modoc Resource Conservation District staff. Goals and objectives of the proposed projects were reviewed for compatibility with Upper Pit River IRWM Plan.

Deliverables:

- Project feasibility analysis
- Documentation showing inclusion in IRWM Plan

Task 6 CEQA Documentation

Prepare a Notice of Preparation (including tribal notification to the California Native American Heritage Commission). It is anticipated that Notice of Exemption will be completed for this project. Prepare letter stating no legal challenges. Complete archaeological and biological assessment reports.

Deliverables:

- Copy of applicable environmental documentation
- Legal challenges letter

Task 7 Permitting

Obtain all necessary federal, state, and local permits. Permits may include:

- California Department of Fish and Wildlife - Streambank Alteration Permit
- Central Valley Regional Water Quality Control Board - Water Quality Certification Permit
- Army of Corp Engineers - Section 7 Nationwide Permit A

Additional permits may be required and will be obtained as necessary.

Deliverables:

- Copy of all required permits

Task 8 Design

Complete preliminary design including the following supporting work: stream channel cross sections survey; design and quantity calculations for bank sloping and floodplain water spreader dams; design for each rock treatment including rock sizing and quantities for rock filled gabion baskets, groins and barbs, bank rip-rap, longitudinal peaked stone toe protection, and side channel rip-rap; area calculations and quantities for willow and shrub planting and grass and forb seeding to produce 100% (final) design, plans, and specifications. Prepare updated project cost estimate for restoration treatments which includes cost break down for earth work, rock work and vegetative plantings.

Deliverables:

- Cost Estimate
- 100% Design Plans and Specifications

Task 9 Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table provided by DWR project manager, the Project Monitoring Plan (as described in Exhibit J) will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

Budget Category (d): Construction/Implementation

Task 10 Construction Contracting

Activities necessary to secure contractors and award the contracts include: develop bid documents, prepare advertisements and contract documents for construction contract bidding, conduct pre-bid meetings, bid openings and evaluations, selection of the contractors, and award of contracts.

Deliverables:

- Bid documents
- Proof of Advertisement
- Award of contract

Task 11 Construction Administration

Review contractor submittals, answer requests for information, and issue work directives. A full time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Project coordinator will also direct field crew in willow cutting and planting, seeding, mulching and jute placement.

Deliverables:

- Notice of Completion

Task 12 Construction/Implementation Activities

Construction activities may include, but are not limited to the following:

(1) Mobilization and Demobilization: Transport equipment to and from the project site, clean-up of project site once work is completed.

(2) Project Construction:

- Fencing – Install approximately 5,280 feet of a 4-barbed wire fence to exclude livestock from riverbank.
- Rock Structures – Transport approximately 485 cubic yards of rock to three treatment sites and construct rock structures including rip-rap and horizontal peaked stone toe structures as designed at each site.
- Bank Sloping – Excavate bank slope to specified slope at each site. It is anticipated that approximately 1,125 cubic yards of material will be removed.
- Gabion Baskets – Assemble approximately 25 gabion baskets and fill with an estimated 96 cubic yards of rock at the specified site.

- Re-vegetation – Cut willows, bundle in bunches, transport to site and let soak until planted. Hand seed identified areas with a mixture of grass and forb species, spread mulch, and install jute matting. Plant willows at designated sites using a backhoe or water stinger.
- Floodplain Enhancement – Install approximately 450 feet of horizontal metal piling sheets to control sub-surface irrigation and flood water flows going back into the Pit River at the specified site.

Deliverables:

- Photographic documentation End of Modoc RCD Project 2

PROJECT 3: Open Ditch Conversion Water Conservation/Water Supply DAC Projects

IMPLEMENTING AGENCY: Fall River Resource Conservation District, Pit Resource Conservation District

PROJECT DESCRIPTION: The purpose of this project is to convert open water supply ditches to pipelines at five sites located at Burney Creek, Pit River, Pit River Tailwater, Taylor Creek, and Willow Creek. In addition, a diesel pump will be upgraded with an electric pump to increase efficiency at the Pit River Tailwater site. Once completed, this project will conserve 1.83 acre-feet of water per year.

Budget Category (a): Direct Project Administration

Task 1 Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Environmental Information Form (EIF)
- Financial Statements
- Invoices
- Other Applicable Project Deliverables

Task 2 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 upon request

Task 3 Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit (G) of this agreement. Submit reports to the Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare Draft Project Completion Report and submit to DWR via the Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of Exhibit G.

**EXHIBIT B
BUDGET**

Summary Budget					
	Project	Grant Amount	Funding Match	Additional Cost Share	Total Cost
1	North Cal-Neva Resource Conservation and Development Council, Inc. Grant Agreement Administration*	\$ 60,345	-	-	\$ 60,345
2	Modoc Resource Conservation District, Pit River Streambank Stabilization and Riparian Improvement with Floodplain Enhancement*	\$ 328,500	-	\$ 120,000	\$ 448,500
3	Fall River Resource Conservation District/Pit Resource Conservation District, Open Ditch Conversion Water Conservation/Water Supply DAC Projects*	\$ 562,900	-	\$ 190,622	\$ 753,522
	Total	\$ 951,745	-	\$ 310,622	\$ 1,262,367

*Granted a DAC Funding Match Waiver

Project 1: Grant Agreement Administration					
Implementing Agency: North Cal-Neva Resource Conservation and Development Council, Inc.					
	Category	Grant Amount	Funding Match	Additional Cost Share	Total Cost
(a)	Direct Project Administration	\$ 60,345	-	-	\$ 60,345
(b)	Land Purchase/Easement	-	-	-	-
(c)	Planning/Design/Engineering/Environmental Documentation	-	-	-	-
(d)	Construction/Implementation	-	-	-	-
	Total	\$ 60,345	-	-	\$ 60,345

Project 2: Pit River Streambank Stabilization and Riparian Improvement with Floodplain Enhancement					
Implementing Agency: Modoc Resource Conservation District					
	Category	Grant Amount	Funding Match	Additional Cost Share	Total Cost
(a)	Direct Project Administration	\$ 14,200	-	-	\$ 14,200
(b)	Land Purchase/Easement	-	-	-	-
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 34,200	-	\$ 15,000	\$ 49,200
(d)	Construction/Implementation	\$ 280,100	-	\$ 105,000	\$ 385,100
	Total	\$ 328,500	-	\$ 120,000	\$ 448,500

**GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA (DEPARTMENT OF WATER RESOURCES) AND
NORTH CAL-NEVA RESOURCE CONSERVATION AND DEVELOPMENT COUNCIL, INC.**

4600010897

**PROPOSITION 84 INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) 2014 DROUGHT GRANT
CALIFORNIA PUBLIC RESOURCES CODE §75026 ET SEQ.**

THIS GRANT AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" or "DWR" and the North Cal-Neva Resource Conservation and Development Council, Inc., a public agency in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Grantee", which parties do hereby agree as follows:

1. PURPOSE. State shall provide funding from the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 to Grantee to assist in financing projects associated with the Upper Pit River Watershed IRWM Plan pursuant to Chapter 8 (commencing with Section 79560) of Division 26.5 of the California Water Code (CWC), hereinafter collectively referred to as "IRWM Program."
2. TERM OF GRANT AGREEMENT. The term of this Grant Agreement begins on the date this Grant Agreement is executed by State, and terminates on May 31, 2017, or when all of the Parties' obligations under this Grant Agreement are fully satisfied, whichever occurs earlier. Execution date is the date the State signs this Grant Agreement indicated on page 9.
3. TOTAL PROJECT COST. The reasonable Total Cost of the Projects is estimated to be \$3,001,772.
4. GRANT AMOUNT. The maximum amount payable by the State under this Agreement shall not exceed \$1,148,976.
5. GRANTEE COST SHARE. Grantee agrees to fund the difference between the Total Project Cost, and the Grant Amount (amount specified in Paragraph 4). Cost Share consists of Funding Match and Additional Cost Share, as documented in Exhibit B (Budget). Additional Cost Share is the amount necessary to fund the project above the Grant Amount and the Funding Match. Additional Cost Share will not be reviewed by the State for invoicing purposes; however, the Grantee is required to maintain all financial records associated with the project in accordance with Exhibit I (State Audit Document Requirements).
6. FUNDING MATCH. Funding Match is defined as the minimum amount of Grantee Cost Share required, and cannot include other State funds. Grantee is required to provide a Funding Match of at least 25% of the Total Project Cost (unless a Disadvantaged Community project waiver is granted). The Grantee's Funding Match is estimated to be \$836,300. Grantee's Funding Match may include in-kind services that are part of Exhibit A (Work Plan) and performed after January 1, 2010.
7. GRANTEE'S RESPONSIBILITY. Grantee and its representatives shall:
 - a) Faithfully and expeditiously perform or cause to be performed all project work as described in Exhibit A (Work Plan) and in accordance with Exhibit B (Budget) and Exhibit C (Schedule).
 - b) Accept and agree to comply with all terms, provisions, conditions, and written commitments of this Grant Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by Grantee in the application, documents, amendments, and communications filed in support of its request for Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 financing.
 - c) Comply with all applicable California laws and regulations.
 - d) Implement the Projects in accordance with applicable provisions of the law.
 - e) Fulfill its obligations under the Grant Agreement, and be responsible for the performance of the projects.
8. LOCAL PROJECT SPONSOR'S RESPONSIBILITY. Grantee shall assign Local Project Sponsors to act on behalf of Grantee for the purposes of individual project management, oversight, compliance, and operations and maintenance. Local Project Sponsors shall be assigned in accordance with the participating agencies identified in the Upper Pit River Water Conservation and Drought Mitigation grant application. Exhibit F identifies Local Project Sponsors. Local Project Sponsors shall also act on behalf of Grantee in the fulfillment of Grantee responsibilities where specifically specified in this Grant Agreement.
9. BASIC CONDITIONS. State shall have no obligation to disburse money for projects under this Grant Agreement until Grantee has satisfied the following conditions (if applicable):

PROJECT 4: South Fork Irrigation District Infrastructure Upgrade

IMPLEMENTING AGENCY: Central Modoc Resource Conservation District

PROJECT DESCRIPTION: The purpose of this project is to install new piping and open conveyance to upgrade irrigation water distribution system and reduce water lost to leaking/blocked pipes. Once completed, this project will conserve a total of 650 acre feet (AF) of water per year for at least 15 years.

Task 1 Project Administration: Budget Category (a)

Task 1a Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, North Cal-Neva Resource Conservation and Development Council, Inc. (Grantee). Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as creating and entering into a sub-grantee agreement with the Grantee, coordinating with partnering agencies, and managing consultants/contractors.

Deliverables:

- Financial Statements
- Invoices
- Other Applicable Project Deliverables

Task 1b 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 upon request

Task 1c Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit G of this agreement. Submit reports to Grantee for review and inclusion in a progress report to be submitted to DWR.

Prepare draft Final Project Completion Report and submit to DWR via Grantee for DWR Project Manager's comment and review no later than 90 days after project completion. Prepare Final Report addressing Grantee/DWRs comments. The report shall be prepared and presented in accordance with the provision of Exhibit G.

Deliverables:

- Project Progress Reports
- Draft and Final Project Completion Report

Task 2 Land Purchase/Easement: Budget Category (b)

No land acquisition or easement is anticipated for this project.

Task 3 Planning/Design/Engineering and Environmental Documentation: Budget Category (c)

Task 3a CEQA Documentation

The diversion ditch pipeline segment of this project is on Forest Service land and is authorized under a special land use permit. This will require Forest Service review of the project details and all necessary NEPA documentation. Per CEQA Guidelines, it is anticipated that a Categorical Exemption will be filed for both the diversion ditch pipeline and master ditch flume pipeline sites. Prepare a letter stating no legal challenges (or addressing legal challenges).

Deliverables:

- DWR Environmental Information Form
- Approved and adopted NEPA documentation
- CEQA Categorical Exemption
- Legal Challenges letter

Task 3b Permitting

Acquire all necessary federal, state, and local permits. Ensure Standard Form – 299 is completed and submitted to the U.S. Forest Service to update existing special use permit.

Deliverables:

- Copy of all required permits

Task 3c Design

3d(a) Diversion Ditch Pipeline: Complete preliminary design including the following supporting work: survey a 100' section of the stream above and below the pipeline, create a diagram of the stream profile, a cross sectional view of the channel and the overflow pipe profile in order to produce 100% design, plans, and specifications.

3d(b) Master Ditch Flume Pipeline: Complete preliminary design including a survey of the pipeline to determine the length and gradient of the new pipe. This will help determine the size of replacement pipe to be used to deliver the amount of water desired. Evaluate the practicality and economics of using a liner pipe in-lieu of complete replacement of the metal pipe. Produce a set of 100% design, plans, and specifications.

Deliverables:

- 100% Design Documents for Diversion Ditch Pipeline and Master Ditch Flume Pipeline

Task 3d Project Monitoring Plan

Develop and submit a Project Monitoring Plan. Along with the Project Performance Measures Table, the Project Monitoring Plan (as described in Exhibit J) will include baseline conditions, a brief discussion of monitoring systems to be used, methodology of monitoring, frequency of monitoring, and location of monitoring points.

Deliverables:

- Project Monitoring Plan

Task 4 Construction/Implementation: Budget Category (d)

Task 4a Contract Services

A contract agreement will be developed by South Fork Irrigation District (SFID) and Central Modoc Resource Conservation District (CMRCD) which will specify work activities to be performed by SFID, type of equipment to be used, estimated hourly use, hourly rate, and the percent of expenses that will be reimbursed and percent applied as cost share. This task also includes activities necessary to secure a contractor and award the contract include: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

Deliverables:

- Contract agreement between SFID and SMRCD
- Bid Documents
- Proof of Advertisement

Task 4b Construction/Implementation Activities

4b(1) Diversion Ditch Pipeline

- **Mobilization and Site Preparation:** Transport the excavator and materials to the project site. An excavator will uncover the pipe which is covered with approximately 1 foot of dirt and rocks. The excavator will dig a trench alongside the existing pipeline to facilitate the removal of the pipe sections.
- **Construction:** Remove the pipe from the diversion ditch. Excavate the bottom of the ditch approximately 1 foot deeper. Replace and connect the sections of pipe with the pipe flange attached to the last upstream section of pipe to allow ice and debris to move through the pipe without getting hung-up. Upstream, excavate a trench across the canal road and install the approximately 160 feet of overflow pipe to direct water back towards the South Fork Pit River. Place rock on inside bank of ditch around pipe and place rock at pipe outlet.
- **Performance Testing and Demobilization:** This task includes the final inspection and approval of the project. The installed pipe will be inspected to assure all pipe joints are properly fitted and not leaking and that no leaks have occurred in the lengths of pipe. Complete the cleanup of the site along with removal of excess materials. Transport excavator and any leftover materials back to the headquarters.

4b(2) Master Ditch Flume Pipeline

- **Mobilization and Site Preparation:** Transport the excavator and materials to the designated staging area.
- **Construction:** Install approximately 1,050 feet of plastic pipeline or liner pipe beginning at the river crossing end of the pipeline. Two to three sections of metal pipe will be taken out, and then two to three sections of plastic pipe will be installed. This technique will then continue all along the pipeline. The existing metal trellis crossing the river is solid and can be used. The wooden trellis at the first corner will need to be rebuilt with treated timbers. All metal pipe within reach will be removed, but removal methodology will be based on excavator access.
- **Performance Testing and Demobilization:** A final inspection of the pipeline will be performed. All pipe lengths will be examined to make sure no leaks have occurred. All metal removed will be taken to the staging area.

**EXHIBIT B
BUDGET**

Summary Budget					
Upper Pit River Watershed Conservation and Drought Mitigation					
Project #	Category	Grant Amount	Funding Match	Additional Cost Share	Total Cost
1	Grant Agreement Administration	\$ 56,800	\$ -	\$ -	\$ 56,800
2	Ash Valley Ranch Irrigation Infrastructure Efficiency Project	\$ 353,351	\$ -	\$ 117,900	\$ 471,251
3	Restoring Hydrologic Function on Ash Valley Ranch	\$ 522,600	\$ 836,300	\$ 842,596	\$ 2,201,496
4	South Fork Irrigation District Infrastructure Upgrade	\$ 216,225	\$ -	\$ 56,000	\$ 272,225
	Total	\$ 1,148,976	\$ 836,300	\$ 1,016,496	\$ 3,001,772

Total funding match: 28%

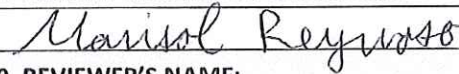

Project 1: Grant Agreement Administration					
Project Sponsor: North Cal-Neva Resource Conservation and Development Council, Inc.					
Category		Grant Amount	Funding Match	Additional Cost Share	Total Cost
(a)	Project Administration	\$ 56,800	\$ -	\$ -	\$ 56,800
(b)	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -
(c)	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ -	\$ -	\$ -
(d)	Construction/Implementation	\$ -	\$ -	\$ -	\$ -
	Total	\$ 56,800	\$ -	\$ -	\$ 56,800

Project 2: Ash Valley Ranch Irrigation Infrastructure Efficiency Project					
Project Sponsor: Pit Resource Conservation District					
Category		Grant Amount	Funding Match	Additional Cost Share	Total Cost
(a)	Project Administration	\$ 15,500	\$ -	\$ -	\$ 15,500
(b)	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 1,000	\$ -	\$ 16,900	\$ 17,900
(d)	Construction/Implementation	\$ 336,851	\$ -	\$ 101,000	\$ 437,851
	Total	\$ 353,351	\$ -	\$ 117,900	\$ 471,251

Project 3: Restoring Hydrologic Function on Ash Valley Ranch					
Project Sponsor: Pit Resource Conservation District					
Category		Grant Amount	Funding Match	Additional Cost Share	Total Cost
(a)	Project Administration	\$ 10,500	\$ -	\$ -	\$ 10,500
(b)	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 1,000	\$ -	\$ -	\$ 1,000
(d)	Construction/Implementation	\$ 511,100	\$ 836,300	\$ 842,596	\$ 2,189,996
	Total	\$ 522,600	\$ 836,300	\$ 842,596	\$ 2,201,496

Project 4: South Fork Irrigation District Infrastructure Upgrade					
Project Sponsor: Central Modoc Resource Conservation District					
Category		Grant Amount	Funding Match	Additional Cost Share	Total Cost
(a)	Project Administration	\$ 6,500	\$ -	\$ -	\$ 6,500
(b)	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -
(c)	Planning/Design/Engineering/Environmental Documentation	\$ 6,000	\$ -	\$ 27,000	\$ 33,000
(d)	Construction/Implementation	\$ 203,725	\$ -	\$ 29,000	\$ 232,725
	Total	\$ 216,225	\$ -	\$ 56,000	\$ 272,225

STATE OF CALIFORNIA
GRANTEE PERFORMANCE EVALUATION

1. AGREEMENT NUMBER:		2. AGREEMENT START DATE:		3. AGREEMENT END DATE:	
4600010897		May 11, 2015		March 31, 2018	
DEPARTMENT OF WATER RESOURCES			4. GRANTEE'S NAME & ADDRESS:		
5. DIVISION/OFFICE:			Stacey Hafen North Cal-Neva RC& D Council, Inc. P.O. Box 1434 Alturas, CA 96101		
Division of Integrated Regional Water Management					
6. BRANCH:					
Financial Assistance Branch					
7. PROJECT TITLE:					
North Cal-Neva RC&D Council, Inc. Proposition 84 Integrated Regional Water Management (IRWM) 2014 Drought Grant					
8. TOTAL AGREEMENT AMOUNT:		9. TOTAL AMOUNT OF GRANT FUNDS:		10. TOTAL AMOUNT OF COST SHARE/MATCHING FUNDS:	
\$3,001,772		\$1,148,976			
11. LIST ANY AMENDMENTS AND THE REASON(S) FOR EACH AMENDMENT:					
<ul style="list-style-type: none"> • Amendment 1-The workplan and budget was revised. • Amendment 2- The workplan was revised for Project 2 and added changes to Task 4c Construction Administration for Projects 2, 3 & 4. • Amendment 3- The workplan was revised which included changes to Task 3 Design and included adding the South Fork Irrigation District as a sponsoring agency for Project 4. • Amendment 4- The budget was revised for Project 3 and the workplan was revised to reflect changes in Project 4. • Amendment 5- Paragraph 2 in Agreement was revised to reflect grant end date to March 31, 2018 and revised Paragraph 26 to update Project Representative to include the latest personnel information. The Budget was revised for Project 4. 					
12. DESCRIBE THE WORK/TASKS/DELIVERABLES REQUIRED IN THE AGREEMENT SCOPE OF WORK:					
<p>A total of three (3) Drought Projects, the purpose of the first project was to pipe an open irrigation ditch and upgrade two diesel pumps to electrical pumps that would increase efficiency of agricultural irrigation system and conserve water. The second project upgraded two diesel pump motors to electric pump motors that were installed in agricultural wells, replaced two miles of an old and inefficient ditch water delivery system with a state-of-the-art piped delivery system. The third project includes the diversion ditch pipeline at 481 feet and the flume pipeline at 1050 feet, involved some re-design and removal of the Diversion Ditch pipeline and the replacement of the ageing flume pipeline with new pipeline material.</p>					
13. WAS THE WORK PERFORMED? <input type="checkbox"/> NO - Explain why <input checked="" type="checkbox"/> YES - Explain what work was performed					
Yes, the work of the 3 separate projects as part of the Agreement were completed and performed according to the scope of work, schedule, and budget outlined in the Agreement and subsequent amendments.					
14. DID THE GRANTEE FULFILL ALL REQUIREMENTS OF THE GRANT AGREEMENT?					
Yes, the Grantee fulfilled all requirements of the Grant Administration. Grantee was responsive and a pleasure to work with.					
15. PROJECT MANAGER NAME:(Person completing form)		16. TITLE:		17. DATE:	
Marisol Reynoso		Grant Project Manager		7/26/2018	
19. PROJECT MANAGER'S SIGNATURE:				18. TELEPHONE NUMBER	
				(916) 651-9221	
20. REVIEWER'S NAME:		21. TITLE		22. DATE	
Zaffar Eusuff		Implementation Program Manager		7/26/18	
24. REVIEWER'S SIGNATURE:				23. TELEPHONE NUMBER	
				916.651.9266	

9. *STD 204 – Payee Data Record*

PAYEE DATA RECORD

(Required when receiving payment from the State of California in lieu of IRS W-9 or W-7)

STD 204 (Rev. 5/2018)

1 **INSTRUCTIONS:** Type or print the information. Complete all information on this form. Sign, date, and return to the state agency (department/office) address shown in Box 6. Prompt return of this **fully completed** form will prevent delays when processing payments.
 Information provided in this form will be used by California state agencies to prepare Information Returns (Form1099). See next page for more information and Privacy Statement.
NOTE: Governmental entities, i.e. federal, state, and local (including school districts), are not required to submit this form.

2 **BUSINESS NAME** (As shown on your income tax return)
 Modoc Resource Conservation District

SOLE PROPRIETOR, SINGLE MEMBER LLC, INDIVIDUAL (Name as shown on SSN or ITIN) Last, First, MI			E-MAIL ADDRESS		
MAILING ADDRESS 221 W. 8th Street			BUSINESS ADDRESS 221 W. 8th Street		
CITY Alturas	STATE CA	ZIP CODE 96101	CITY Alturas	STATE CA	ZIP CODE 96101

3 **PAYEE ENTITY TYPE**

CHECK ONE BOX ONLY

ENTER FEDERAL EMPLOYER IDENTIFICATION NUMBER (FEIN):

6	8	0	2	8	1	9	5	1
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PARTNERSHIP **CORPORATION:**

ESTATE OR TRUST

MEDICAL (e.g., dentistry, psychotherapy, chiropractic, etc.)

LEGAL (e.g., attorney services)

EXEMPT (nonprofit)

ALL OTHERS

ENTER SSN OR ITIN:

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SOLE PROPRIETOR, INDIVIDUAL, OR SINGLE MEMBER LLC (Disregarded Entity)

Social Security Number (SSN) or Individual Taxpayer Identification Number (ITIN) are required by authority of California Revenue and Tax Code sections 18646 and 18661

NOTE: Payment will not be processed without an accompanying taxpayer identification number.

4 **PAYEE RESIDENCY STATUS**


CALIFORNIA RESIDENT - Qualified to do business in California or maintains a permanent place of business in California.

CALIFORNIA NON RESIDENT (see next page for more information) - Payments to nonresidents for services may be subject to state income tax withholding.

No services performed in California.

Copy of Franchise Tax Board waiver of state withholding attached.

5 I hereby certify under penalty of perjury that the information provided on this document is true and correct. Should my residency status change, I will promptly notify the state agency below.

AUTHORIZED PAYEE REPRESENTATIVE'S NAME (Type or Print) Stacey Hafen	TITLE Interim President	TELEPHONE (include area code) (530) 233-4314 ext. 115
SIGNATURE 	DATE February 9, 2019	E-MAIL ADDRESS mrcd.rgbaremore@hotmail.com

6 Please return completed form to:

DEPARTMENT/OFFICE			UNIT/SECTION		
MAILING ADDRESS			TELEPHONE (include area code)		FAX
CITY	STATE	ZIP CODE	E-MAIL ADDRESS		