UPPER FEATHER RIVER IRWM

PROJECT INFORMATION FORM

Please submit by 5:00 p.m. on August 3, 2015, to UFR.contact@gmail.com

Please provide information in the tables below:

I. PROJECT PROPONENT INFORMATION

Agency / Organization	Sierra Valley Resource Conservation District
Name of Primary Contact	Bill Nunes – SVRCD Board Chairman
Name of Secondary Contact	Jeff Carmichael– SVRCD Board of Directors
Mailing Address	PO Box 3562, Quincy CA 95971
E-mail	sierravalleyrcd@gmail.com or bnunes1964@gmail.com
Phone	(530) 994-3222
Other Cooperating Agencies / Organizations / Stakeholders	County of Sierra, County of Plumas, and County of Lassen
Is your agency/organization committed to the project through completion? If not, please explain	Yes. The Sierra Valley Resource Conservation District (SVRCD) was established in 1947, and is one of the oldest Special Districts in California, to coordinate local conservation and restoration programs since the 1940's. Resource Conservation Districts (RCDs) were organized for the purposes of soil, water and related natural resource conservation. Categories of focused interest for the Sierra Valley RCD include natural disaster readiness & prevention, agricultural stability, sustainable urban development, wildlife habitat, recreation, watershed management, protection of water quality and quantity, and the optimum treatment of each resource and lands according to the need. The SVRCD has demonstrated success with this wide variety of resource challenges.

II. GENERAL PROJECT INFORMATION

Project Title	ALS-7: Sierra Valley RCD Resource Management Plan
Project Category	■ **Agricultural Land Stewardship** ☐ **Floodplains/Meadows/Waterbodies** ☐ **Municipal Services** ☐ **Tribal Advisory Committee** ☐ **Uplands/Forest**
Project Description (Briefly describe the project, in 300 words or less)	The proposed project will result in a "Resource Management Plan" for the Sierra Valley Resource Conservation District that will have a similar effect as a County General Plan has to counties and their respective land use programs. The Resource Management Plan will include the district organizational information, financial information, district

	services contemplated, a funding component, project review guidelines, education and outreach programs, process for plan updating, and a process for adopting and updating priorities for the many chapters of the plan that define the role and interests of the Resource Conservation District including but not limited to regulatory issues (GRAP, Irrigated Lands, etc.) agriculture incentives and improving productivity, drought, water conservation and water supply, forest health and fire issues, land assessment, invasive species, soil conservation, fish and wildlife and habitat, conservation easements, recreation, wetland conservation, agricultural work plans, preservation of working landscapes, coordination with agencies, and other like subjects.
Project Location Description (e.g., along the south bank of stream/river between river miles or miles from Towns/intersection and/or address):	Please See Attached Map of Sierra Valley RCD Boundaries. The Sierra Valley RCD boundaries include portions of Sierra, Plumas, and Lassen Counties.
Latitude:	See Above Notes
Longitude:	See Above Notes

III. APPLICABLE IRWM PLAN OBJECTIVES ADDRESSED

For each of the objectives addressed by the project, provide a one to two sentence description of how the project contributes to attaining the objective and how the project outcomes will be quantified. If the project does not address *any* of the IRWM plan objectives, provide a one to two sentence description of how the project relates to a challenge or opportunity of the Region.

Upper Feather River IRWM Objectives:	**Will the project address the objective?**	**Brief explanation of project linkage to selected Objective**	**Quantification** (e.g. acres of streams/wetlands restored or enhanced)
Restore natural hydrologic functions.	■ Yes ☐ N/A	Restore and enhance watershed conditions (Restoration of stream Sinuosity, reduce sedimentation & turbidity, retard erosional processes, improvement of meadow and rangelands, restoration of upland forest communities)	-Maintenance of TMDL's -Stream Miles enhanced -Wetland Acre enhanced -Fuels Acres Treated - Water quality improved (turbidity)
Reduce potential for catastrophic wildland fires in the Region.	■ Yes ☐ N/A	Reduction of catastrophic fuel loading within and adjacent to WUI's	Fuels Acres Reduced
Build communication and collaboration among water resources stakeholders in the Region.	■ Yes ☐ N/A	There is an opportunity to enhance and further partnership capacity with the Sierra Valley RCD, Sierra Valley Mutual Water Company, U.S. Forest Service,	Public Meetings and Partnerships

		and Sierra County Fire Safe Council	
Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	■ Yes ☐ N/A	Implementation of BMP's Increasing the efficiency of the water conveyance systems.	Sediment Load and Water Delivery
Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	☐ Yes ■ N/A		
Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	☐ Yes ■ N/A		
Address economic challenges of municipal service providers to serve customers.	☐ Yes ■ N/A		
Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	■ Yes ☐ N/A	The project will assist in identifying and prioritizing projects which restore/improve ecological function of surface water resources (riparian and stream system(s))	Acres of riparian habitat and stream miles enhanced/restored
Address water resources and wastewater needs of DACs and Native Americans.	☐ Yes ■ N/A		
Coordinate management of recharge areas and protect groundwater resources.	■ Yes ☐ N/ A	Coordination and establishment of prioritization of projects in partnership with Sierra Valley Groundwater Management District	
Improve coordination of land use and water resources planning.	■ Yes ☐ N/A	There is an opportunity to enhance and further partnership capacity with NRCS, U.S. Forest Service, Sierra County Firesafe Council, Counties of Sierra, Lassen & Plumas. This SVRCD Resource Management Plan will be a resource for any future updates to Plumas, Sierra and Lassen County General Plans.	Public Meetings and Partnerships

Maximize agricultural, environmental and municipal water use efficiency.	■ Yes ☐ N/A	Development and prioritization of projects which further promote efficiency of water conservation and distribution for agricultural water purveyors.	Water Control Structures Improved & Improvements to Water Conveyance Systems
Effectively address climate change adaptation and/or mitigation in water resources management.	■ Yes ☐ N/A	Development and coordination of priority projects which focus on consumptive water use improvements which ultimately improve resiliency to climate change variability.	Water Control Structures Improved & Improvements to Water Conveyance Systems
Improve efficiency and reliability of water supply and other water-related infrastructure.	■ Yes ☐ N/A	Development and prioritization of projects which further promote efficiency of water conservation and distribution for agricultural water purveyors.	Development of Workshops for Water Efficiency Techniques for Agricultural Producers, Water Control Structures Improved & Improvements to Water Conveyance Systems
Enhance public awareness and understanding of water management issues and needs.	■ Yes ☐ N/A	Furtherance of partnership capacity with the Sierra Valley RCD, Sierra Valley Mutual Water Company, U.S. Forest Service, NRCS and representatives of the IRWM in establishing workshops, seminars, and CA UC System Staff which further promote efficiency of water conservation and distribution for agricultural water purveyors.	Public Meetings and Partnerships Development of Workshops for Water Efficiency Techniques for Agricultural Producers
Address economic challenges of agricultural producers.	■ Yes ☐ N/A	The project will assist in furthering identified pathways and processes for agricultural producers for grants and funds through state and federal programs for producers.	Public Meetings and Partnerships Development of Agricultural Incentive Workshop
Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	■ Yes ☐ N/A	Current and demonstrated capacity exists with the Sierra Valley RCD and Sierra County	Partnership with Sierra County and Sierra Valley RCD

If no objectives are addressed, describe how the project relates to a challenge or opportunity for the Region:

IV. PROJECT IMPACTS AND BENEFITS

Please provide a summary of the expected project benefits and impacts in the table below or check N/A if not applicable; **do no leave a blank cell.** Note that DWR encourages multi-benefit projects.

If applicable, describe benefits or impacts of the project with respect to:		
a. Native American Tribal Communities	■ N/A	
b. Disadvantaged Communities[1]	☐ N/A	Yes, many communities within the Sierra Valley RCD boundaries are designated disadvantaged communities, including Calpine CDP, Sierraville CDP, Sierra Brooks CDP, Loyalton City CDP, and Chilcoot-Vinton CDP. SVRCD has been tasked by Sierra and Plumas County Boards of Supervisors to oversee water-related issues in this region.
c. Environmental Justice[2]	■ N/A	
d. Drought Preparedness	☐ N/A	The project specifically focuses on the development of a large-scale plan that will tier to all aspects of drought preparedness techniques and methodologies for agricultural producers in providing tools and techniques via the establishment of workshops, conferences and field seminars. The Resource Management Plan will serve as a pathway for identifying projects for technical assistance for agricultural producers incorporating all aspects of drought preparedness through a multitude of program areas (livestock production, crop production, water conservation and water supply, forest health and fire issues, land assessment, invasive species, soil conservation, fish and wildlife and habitat, conservation easements, recreation, wetland conservation, agricultural work plans, preservation of working landscapes, etc.)

e. Assist the region in adapting to effects of climate change[3]	☐ N/A	The development of the Resource Management Plan will incorporate measures and considerations (coordination with local/state and federal agencies) which assist livestock producers and land managers with tools and techniques that assist in adapting to the effects of climate change.
f. Generation or reduction of greenhouse gas emissions (e.g. green technology)	☐ N/A	The development of the Resource Management Plan will incorporate measures and considerations which assist livestock producers and land managers with tools and techniques which assist in the reduction of GHG emissions.
g. Other expected impacts or benefits that are not already mentioned elsewhere	☐ N/A	The Resource Management Plan will include the district organizational information, financial information, district services contemplated, a funding component, project review guidelines, education and outreach programs, process for plan updating, and a process for adopting and updating priorities for the many chapters of the plan that define the role and interests of the Resource Conservation District, including but not limited to regulatory issues (GRAP, Irrigated Lands, etc) agriculture incentives and improving productivity, drought, water conservation and water supply, forest health and fire issues, land assessment, invasive species, soil conservation, fish and wildlife and habitat, conservation easements, recreation, wetland conservation, agricultural work plans, preservation of working landscapes, coordination with agencies, and other like subjects.

[1] A Disadvantaged Community is defined as a community with an annual median household (MHI) income that is less than 80 percent of the Statewide annual MHI. DWR's DAC mapping is available on the UFR website (http://featherriver.org/maps/) .

[2] Environmental Justice is defined as the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation and enforcement of environmental laws, regulations and policies. An example of environmental justice benefit would be to improve conditions (e.g. water supply, flooding, sanitation) in an area of racial minorities.

[3] Climate change effects are likely to include increased flooding, extended drought, and associated secondary effects such as increased wildfire risk, erosion, and sedimentation.

DWR encourages multiple benefit projects which address one or more of the following elements (PRC §75026(a). Indicate which elements are addressed by your project.

a. Water supply reliability, water conservation, water use efficiency	■ Yes ☐ N/A	g. Drinking water treatment and distribution	☐ Yes ■ N/A
b. Stormwater capture, storage, clean-up, treatment, management	■ Yes ☐ N/A	h. Watershed protection and management	■ Yes ☐ N/A
c. Removal of invasive non-native species, creation/enhancement of wetlands, acquisition/protection/restoration of open space and watershed lands	■ Yes ☐ N/A	i. Contaminant and salt removal through reclamation/desalting, other treatment technologies and conveyance of recycled water for distribution to users	☐ Yes ■ N/A
d. Non-point source pollution reduction, management and monitoring	■ Yes ☐ N/A	j. Planning and implementation of multipurpose flood management programs	■ Yes ☐ N/A
e. Groundwater recharge and management projects	■ Yes ☐ N/A	k. Ecosystem and fisheries restoration and protection	■ Yes ☐ N/A
f. Water banking, exchange, reclamation, and improvement of water quality	■ Yes ☐ N/A		

V. RESOURCE MANAGEMENT STRATEGIES

For each resource management strategy (RMS) employed by the project, provide a one to two sentence description in the table below of how the project incorporates the strategy. A description of the RMS can be found in Volume 2 of the 2013 California Water Plan (http://featherriver.org/2013-california-water-plan-update/).

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
Reduce Water Demand		
Agricultural Water Use Efficiency	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist livestock producers and land managers with tools and techniques with agricultural water use efficiency.
Urban water use efficiency	☐ Yes ■ No	
Improve Flood Management		
Flood management	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist livestock producers and land managers with tools and techniques for flood management.
Improve Operational Efficiency and Transfers		
Conveyance – regional/local	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures,

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
		considerations and processes which assist livestock producers and land managers with tools and techniques with water conveyance systems.
System reoperation	☐ Yes ■ No	
Water transfers	☐ Yes ■ No	
Increase Water Supply		
Conjunctive management	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist livestock producers and land managers with tools and techniques for efficient conjunctive management of surface water and ground water.
Precipitation Enhancement	☐ Yes ■ No	
Municipal recycled water	☐ Yes ■ No	
Surface storage – regional/local	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist livestock producers and land managers with tools and techniques for surface storage efficiencies and development of new storage supplies.
Improve Water Quality		
Drinking water treatment and distribution	☐ Yes ■ No	
Groundwater remediation/aquifer remediation	☐ Yes ■ No	
Matching water quality to water use	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist communities, livestock producers and land managers with tools and techniques for matching water quality to water use
Pollution prevention	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist livestock producers and land managers with tools and techniques for pollution prevention and non-point surface discharge.
Salt and salinity management	☐ Yes ■ No	
Urban storm water runoff management	☐ Yes ■ No	

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
Practice Resource Stewardship		
Agricultural land stewardship	■ Yes ☐ No	The foundation of agricultural land stewardship is the principal driver of the development of the Resource Management Plan
Ecosystem restoration	■ Yes ☐ No	The foundation of ecosystem restoration is one of the principal drivers of the development of the Resource Management Plan
Forest management	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist land managers with tools and techniques for forest and fuels management
Land use planning and management	■ Yes ☐ No	Project will involve many stakeholders including County Planning Departments. SVRCD Plan will inform future General Plan updates in the planning area. Project adheres to CEQA/NEPA and Sierra, Plumas, and Lassen County Land Use Planning Policies and Regulations.
Recharge area protection	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist agricultural producers, land managers with tools and techniques that benefit groundwater recharge.
Sediment management	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist agricultural producers and land managers with tools and techniques that benefit water quality and reduce sediment loading and improve turbidity.
Watershed management	■ Yes ☐ No	The foundation of watershed management is one of the principal drivers of the development of the Resource Management Plan
People and Water		
Economic incentives	■ Yes ☐ No	The project will assist in furthering identified pathways and processes for agricultural producers for grants and funds through state and federal programs for producers.
Outreach and engagement	■ Yes ☐ No	There is an opportunity to enhance and further partnership capacity with agricultural producers, land managers, NRCS, FSA, Sierra Valley Groundwater Management District,

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
		Counties of Sierra, Lassen, & Plumas, BLM, CA DFW, U.S. Forest Service, CA DWR, CA WQCB and representatives of the IRWM as well as through public scoping, outreach and workshop programs.
Water and culture	■ Yes ☐ No	There is an opportunity to enhance and further partnership capacity with agricultural producers, land managers, and the citizens of Sierra, Lassen and Plumas Counties through public scoping, outreach and workshop programs. This planning effort incorporates many goals that to help preserve historic ranches, an important cultural heritage of the region.
Water-dependent recreation	■ Yes ☐ No	There is an opportunity to enhance and further partnership capacity with agricultural producers, land managers, and the citizens of Sierra, Lassen and Plumas Counties through public scoping, outreach and workshop programs in the maintenance and improvement of water quality which is vital to water dependent recreational activities and to the economies of the communities within the SVRCD boundaries. Opportunities for bird watching, kayaking, fishing and other agritourism will be considered in the planning effort.
Wastewater/NPDES	■ Yes ☐ No	The development of the Resource Management Plan will focus on measures, considerations and processes which assist agricultural producers and land managers with tools and techniques with benefit water quality and reduce sediment loading which ultimately yield improvements to 303D Listed Watershed Conditions.

Other RMS addressed and explanation:

VI. PROJECT COST AND FINANCING

Please provide any estimates of project cost, sources of funding, and operation and maintenance costs, as well as the source of the project cost in the table below.

PROJECT BUDGET

Project serves a need of a DAC?: ■ Yes ☐ No
Funding Match Waiver request?: ■ Yes ☐ No

	Category	Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
a.	**Direct Project Administration**	$15,000	0	0	$15,000
b.	**Land Purchase/Easement**	0	0	0	0
c.	**Planning/Design/Engineering / Environmental**	$140,000	0	0	$140,000
d.	**Construction/Implementation**	0	0	0	
e.	**Environmental Compliance/ Mitigation/Enhancement**	0	0	0	0
f.	**Construction Administration**	0	0	0	0
g.	**Other Costs**	0	0	0	0
h.	**Construction/Implementation Contingency**	0	0	0	0
i.	**Grand Total (Sum rows (a) through (h) for each column)**	$155,000	0	0	$155,000

j.	**Can the Project be phased?** ☐ **Yes** ■ **No** If **yes**, provide cost breakdown by phases			
		Project Cost	**O&M Cost**	**Description of Phase**
	Phase 1	$155,000	0	District Resource Management Plan Development
	Phase 2	N/A		
	Phase 3	N/A		
	Phase 4	N/A		

k.	**Explain how operation and maintenance costs will be financed for the 20-year planning period for project implementation (not grant funded).**	O&M Costs not Applicable – Final Product is District Resource Management Plan
l.	**Has a Cost/Benefit analysis been completed?**	☐ **Yes** ■ **No**
m.	**Describe what impact there may be if the project is not funded (300 words or less)**	The district has no current resource management plan and operates from outdated, often obsolete, and dated studies and analyses and in many cases, said documents do not reflect the current priorities of the district nor the direction the Board of Directors wishes to pursue in its discharging of the duties and obligations of the district business. The district is

		a resource, is a source of funding and technical assistance, is a source of advocacy, and is a true partner in realizing the resource strategies of the IRWMP. Without project funding, the fundamental objectives of the Sierra Valley RCD as well as the UFR IRWMP would be marginalized.

*List all sources of funding.
Note: See Project Development Manual, Exhibit B, for assistance in completing this table (http://featherriver.org/documents/).

VIII. PROJECT STATUS AND SCHEDULE

Please provide a status of the project, level of completion as well as a description of the activities planned for each project stage. If unknown, enter **TBD**.

Project Stage	Check the Current Project Stage	Completed?	Description of Activities in Each Project Stage	Planned/ Actual Start Date (mm/yr)	Planned/ Actual Completion Date (mm/yr)
a. Assessment and Evaluation	■	☐ Yes ■ No ☐ N/A	The duration of this project will be 18 months to 24 months from the date of project funding and approval. The project and development of the Resource Management Plan will include the following milestones: Outreach and public meetings by the RCD Board of Directors to define issues, solicit ideas, identify priorities, and understand the needs of the district from the perspective of public and private landowners	09/01/2015	04/31/2017

			Create scope of work and solicit proposals for preparation of the Resource Management Plan Execute services agreement and staffing resources to complete the scope of work and the Resource Management Plan Conduct additional outreach and public involvement during the course of Resource Management Plan preparation, and conduct intensive workshops with the Board of Directors to assure familiarity with the governing laws, regulatory framework, and content of the proposed Resource Management Plan Adopt plan and conduct workshops throughout the district; make presentations to the respective Boards of Supervisors, US Forest Service, and other critical stakeholders within the district that		

			have jurisdiction over land use decisions and land management on public and private lands.		
b. Final Design	☐	☐ Yes ☐ No ☐ N/A	N/A		
c. Environmental Documentation (CEQA / NEPA)	☐	☐ Yes ☐ No ☐ N/A	N/A		
d. Permitting	☐	☐ Yes ☐ No ☐ N/A	N/A		
e. Construction Contracting	☐	☐ Yes ☐ No ☐ N/A	N/A		
f. Construction Implementation	☐	☐ Yes ☐ No ☐ N/A	N/A		
Provide explanation if more than one project stage is checked as current status					

IX. PROJECT TECHNICAL FEASIBILITY

Please provide any related documents (date, title, author, and page numbers) that describe and confirm the technical feasibility of the project. See www.featherriver.org/catalog/index.php for documents gathered on the UFR Region.

a. List the adopted planning documents the proposed project is consistent with or supported by (e.g. General Plans, UWMPs, GWMPs, Water Master Plan, Habitat Conservation Plans, TMDLs, Basin Plans, etc.).	Sierra Valley Coordinated Resource Management Plan (2002), Sierra Valley Watershed Assessment (2005), IRWM – Upper Feather River Watershed Plan (2005), Sierra County General Plan, Lassen County General Plan, Plumas County General Plan, Tahoe National Forest – Land & Resource Management Plan, Sierra Valley RCD – Watershed Action Plan (2007), Water Quality Plan for the Lahontan Region; California DWR Bulletin 118 and the Northeastern Counties Investigation. Sierra Valley Groundwater Management District-Management Plan and annual updates; the DWP Environmental Study for Sierra

	Valley dated 1973; the Upper Feather River Watershed (UFRW) Irrigation Discharge Management Program (2007)
b. List technical reports and studies supporting the feasibility of this project.	Numerous studies and reports have been prepared and published regarding the Sierra Valley. Such studies include but are not limited to the Sierra Valley Groundwater Management District-Management Plan and annual updates; the DWP Environmental Study for Sierra Valley dated 1973; the Upper Feather River Watershed (UFRW) Irrigation Discharge Management Program dated 2007; Water Quality Plan for the Lahontan Region; California DWR Bulletin 118 and the Northeastern Counties Investigation; SCS Reports for Sierra Valley; and Biological Baseline Analysis for the Sierra Valley Marsh prepared by SF State University Field Campus. The proposed feasibility study will provide additional specific data illustrating the need and benefits of the proposed project.
c. Concisely describe the scientific basis (e.g. how much research has been conducted) **of the proposed project in 300 words or less.**	There is a wealth of studies and analyses that have been undertaken in Sierra Valley (plans & studies listed above). The District Resource Management Plan will incorporate the findings and data from all technical, social, economic, and environmental studies/plans to produce a "plan" which is fully consistent with RCD Management Plans across the nation.
d. Does the project implement green technology (e.g. alternate forms of energy, recycled materials, LID techniques, etc.).	■ Yes ☐ No ■ N/A If yes, please describe. The development of the Resource Management Plan will incorporate measures and considerations which assist livestock producers and land managers with tools and techniques which assist in the reduction of GHG emissions.

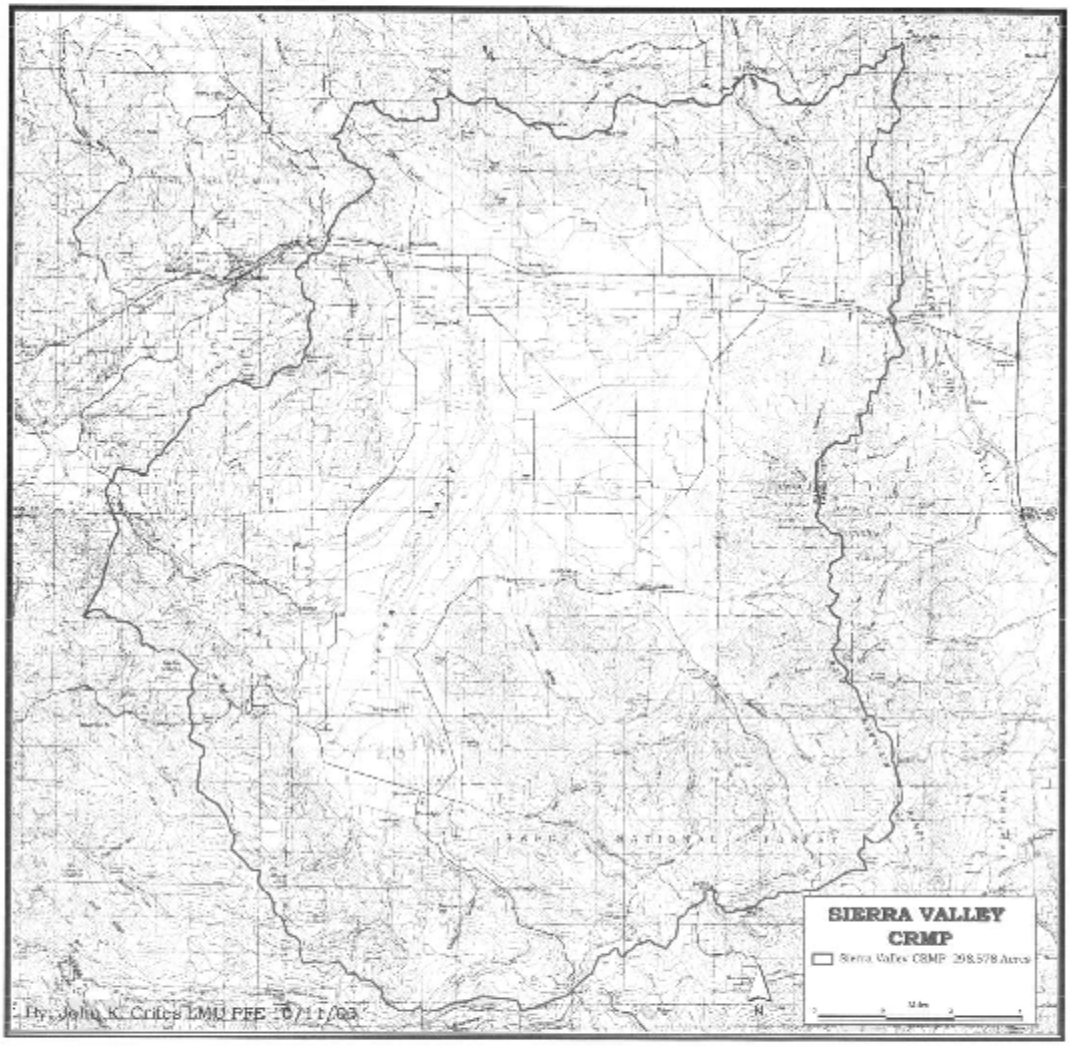
e. Are you an Urban Water Supplier[1]?	☐ Yes ☐ No ■ N/A
f. Are you are an Agricultural Water Supplier[2]?	☐ Yes ☐ No ■ N/A
g. Is the project related to groundwater?	■ Yes ☐ No ☐ N/A If yes, please indicate which groundwater basin. **Middle Fork Feather River HUC 180201232**

[1] Urban Water Supplier is defined as a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually.

[2] Agricultural Water Supplier is defined as a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding the acreage that receives recycled water.

Map of Sierra Valley Boundary

Boundary & Topography



Climate Change – Project Assessment Checklist

This climate change project assessment tool allows project applicants and the planning team to assess project consistency with Proposition 84 plan standards and RWMG plan assessment standards. The tool is a written checklist that asks GHG emissions and adaptation/resiliency questions.

Name of project: ALS-7: Sierra Valley RCD Resource Management Plan

Project applicant: Sierra Valley Resource Conservation District

GHG Emissions Assessment

Project Construction Emissions

(If you check any of the boxes, please see the attached worksheet)

- ☐ The project requires nonroad or off-road engines, equipment, or vehicles to complete.
- ☐ The project requires materials to be transported to the project site.
- ☐ The project requires workers to commute to the project site.
- ☐ The project is expected to generate GHG emissions for other reasons.
- ☒ The project does not have a construction phase and/or is not expected to generate GHG emissions during the construction phase.

Operating Emissions

(If you check any of the boxes, please see the attached worksheet)

- ☐ The project requires energy to operate.
- ☐ The project will generate electricity.
- ☐ The project will proactively manage forests to reduce wildfire risk.
- ☐ The project will affect wetland acreage.
- ☐ The project will include new trees.
- ☐ Project operations are expected to generate or reduce GHG emissions for other reasons.

Adaptation & Resiliency Assessment

Water Supply

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water supply vulnerability issues:

- ☒ Not applicable
- ☐ Reduced snowmelt
- ☐ Unmet local water needs (drought)
- ☐ Increased invasive species

Project is a planning effort only. No construction or Greenhouse Gas emissions associated with this project.

Water Demand

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water demand vulnerability issues:

- ☒ Not applicable
- ☐ Increasing seasonal water use variability
- ☐ Unmet in-stream flow requirements
- ☐ Climate-sensitive crops
- ☐ Groundwater drought resiliency
- ☐ Water curtailment effectiveness

Project is a planning effort only. No construction or Greenhouse Gas emissions associated with this project.

Water Quality

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water quality vulnerability issues:

- ☒ Not applicable
- ☐ Increasing catastrophic wildfires
- ☐ Eutrophication (excessive nutrient pollution in a waterbody, often followed by algae blooms and other related water quality issues)
- ☐ Seasonal low flows and limited abilities for waterbodies to assimilate pollution
- ☐ Water treatment facility operations

☐ Unmet beneficial uses (municipal and domestic water supply, water contact recreation, cold freshwater habitat, spawning habitat, wildlife habitat, etc.)

Project is a planning effort only. No construction or Greenhouse Gas emissions associated with this project.

Flooding

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority flooding vulnerability issues:

☒ Not applicable
☐ Aging critical flood protection
☐ Wildfires
☐ Critical infrastructure in a floodplain
☐ Insufficient flood control facilities

Project is a planning effort only. No construction or Greenhouse Gas emissions associated with this project.

Ecosystem and Habitat

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority ecosystem and habitat vulnerability issues:

☒ Not applicable
☐ Climate-sensitive fauna or flora
☐ Recreation and economic activity
☐ Quantified environmental flow requirements
☐ Erosion and sedimentation
☐ Endangered or threatened species
☐ Fragmented habitat

Project is a planning effort only. No construction or Greenhouse Gas emissions associated with this project.

Hydropower

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority hydropower vulnerability issues:

☒ Not applicable
☐ Reduced hydropower output

Project is a planning effort only. No construction or Greenhouse Gas emissions associated with this project.