

Yuba IRWMP – YWA-28 Project Short Form¹

Please fill out the following information to the best of your ability/knowledge. Contact Keri Rinne with questions: keri.rinne@gmail.com

PROJECT SPONSOR INFORMATION

Lead Agency/Organization	Yuba Water Agency
Name of Primary Contact(s)	Charles Johnck
Mailing Address	1220 F Street, Marysville, CA 95901
Email Address	cjohnck@yubawater.org
Phone (###) ###-####	(530) 740-7032
Project Partners/Collaborators	TBD – potentially California Rice Commission
YWA Liaison	

GENERAL PROJECT INFORMATION

Project Title	Rice Recharge Variability Based on Depth to Groundwater
Project Total Budget (Attach detailed budget, if available)	\$880,000
Budget Breakdown	Planning/Design Budget: \$80,000 Implementation Budget: \$800,000
Project Funding Match , if any	
Total Project Funding Need	
Project Location (Attach map if available)	
Watershed/subwatershed	HUC 8-18020125 (Upper Yuba), HUC 8-18020126 (Upper Bear), and HUC 8-18020159 (Honcut Headwaters-Lower Feather)
Groundwater Basin (Select one)	<input checked="" type="checkbox"/> North Yuba Subbasin <input checked="" type="checkbox"/> South Yuba Subbasin <input type="checkbox"/> Not Applicable
Supports Yuba Groundwater Sustainability Plan (GSP)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Measurable Objective(s) Benefit (Answer If 'Yes' above) (check <i>all</i> that apply)	<input checked="" type="checkbox"/> Chronic lowering of groundwater levels <input checked="" type="checkbox"/> Reduction of groundwater storage <input type="checkbox"/> Degraded water quality <input type="checkbox"/> Land subsidence <input checked="" type="checkbox"/> Depletions of interconnected surface waters
Project Priority (Select one)	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low
Project Type (check <i>all</i> that apply)	<input checked="" type="checkbox"/> Conceptual <input type="checkbox"/> Feasibility Study <input checked="" type="checkbox"/> Study/Assessment <input type="checkbox"/> Planning <input type="checkbox"/> Engineering/Design <input type="checkbox"/> Permitting <input type="checkbox"/> CEQA/NEPA

¹ Completed Project Short Forms should be sent via email to Keri Rinne at keri.rinne@gmail.com

	<input type="checkbox"/> Facility Construction <input type="checkbox"/> Restoration <input type="checkbox"/> Monitoring <input type="checkbox"/> Best Management Practices <input type="checkbox"/> Acquisition <input type="checkbox"/> Demonstration/Pilot Project
Legal Authority	

Please select the *status* of the CEQA/NEPA/Permitting for this project:

CEQA (Select one)	<input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Not Started <input type="checkbox"/> Initial Study <input type="checkbox"/> EIR <input type="checkbox"/> Determination <input type="checkbox"/> Unknown if Required
NEPA (Select one)	<input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Not Started <input type="checkbox"/> Environmental Assessment <input type="checkbox"/> EIS <input type="checkbox"/> Record of Decision <input type="checkbox"/> Unknown if Required
Permitting (Select one)	<input checked="" type="checkbox"/> Not Required <input type="checkbox"/> Not started <input type="checkbox"/> Identified <input type="checkbox"/> Consultations Complete <input type="checkbox"/> Application Submitted <input type="checkbox"/> Complete <input type="checkbox"/> Unknown if Required

PROJECT DESCRIPTION

Write a narrative briefly describing the project components and/or characteristics (Suggest ~ 300 words).

Unique conditions in the Yuba Subbasins and other parts of the Sacramento Valley allow for the growing of rice. This includes shallow clays that pond water at the surface with little percolation deeper into the aquifer. In the Yuba Subbasins, high groundwater levels also reduce recharge from rice fields.

The variability in recharge from rice fields due to changes in depth to groundwater are not well understood. Lower groundwater levels caused by drought or water transfers may increase recharge from rice fields. Such a condition is unique to crops grown in a flooded environment, where the water table may intersect with the ponded surface. Non-ponded crops have an unsaturated zone beneath the field, resulting in percolation to the groundwater system that is generally unrelated to the depth to groundwater.

The project seeks to better understand variability in recharge rates under different groundwater level conditions. It is anticipated that the project will be performed in cooperation with local rice growers and with the California Rice Commission.

PROJECT RATIONALE/ISSUES STATEMENT

Briefly describe the need for the project and the desired outcomes/deliverables (Suggest ~ 200 words). Include an explanation of benefits and how they would be evaluated.

The project will improve the understanding of recharge conditions on rice fields and the overall conceptualization of groundwater conditions. This, in turn, will improve the ability to simulate groundwater conditions and will also improve the ability to assess long-term stream losses from pumping activities.

ATTACHMENTS:

none