

## Yuba IRWMP – RD817-05

### Project Short Form<sup>1</sup>

Please fill out the following information to the best of your ability/knowledge. Once the project has been received and a preliminary review completed, the project team will work with you to develop additional information.

#### Project Sponsor Contact Information

Lead Agency/Organization	Reclamation District No. 817
Name of Primary Contact(s)	Tom Engler, District Engineer
Mailing Address	P.O. Box 261, Wheatland, CA 95692
Email Address	<a href="mailto:engler@mbkengineers.com">engler@mbkengineers.com</a>
Phone (###) ###-####	Mobile: (916) 869-6874
Project Partners/Collaborators	YWA

#### General Project Information

Project Title	RD 817 Problem Identification Report
Project Total Budget, based on current knowledge	\$975,000
Project Funding Match, if any	\$0
Total Project Funding Request	\$975,000
Can a detailed cost estimate be provided upon request?	Yes
Project Location (map if available)	Project location map available upon request
City/Community	Wheatland (RD 817)
Watershed/subwatershed	Sacramento Valley
Groundwater Basin	Sacramento Valley South Yuba Subbasin 5-021.61
Project Type (highlight in gray all 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 <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

## Project Description

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

Preparing the RD 817 Problem Identification Report will include a geotechnical evaluation of flood risk in the area protected by RD 817 levees and the development of remedial alternatives to reduce that risk. The geotechnical evaluation includes a review of existing geotechnical data, development of a geotechnical exploration program focusing on critical areas based on existing data, analyses to identify levee deficiencies (seepage and stability), and development of concept-level remedial measures and associated costs to address identified levee deficiencies in the critical areas. The study area includes a portion of the Bear River North Levee and Dry Creek South Levee with approximately 6.5 levee miles in total.

### I. Project Rationale/Issues Statement

Briefly describe the need for the project and the desired outcomes/deliverables (maximum of 200 words).

The RD 817 levee system is located just west of the City of Wheatland and protects approximately 2,345 acres of farms and agricultural-related businesses. The levees were initially constructed by local interests and were enlarged by the United States Army Corps of Engineers in the early to mid-1900s as part of the Sacramento River Flood Control Project. The RD 817 levees have experienced numerous high-water events. In the absence of mitigation, flood risk due to seepage and stability issues may lead to broader levee safety concerns during high-water events, including poor performance. State and federal agencies have implemented flood risk reduction projects in RD 817 over the past 15-20 years. A goal of the RD 817 Problem Identification Report is to evaluate remaining flood risk and deficiencies to support a consistent level of protection for the Wheatland basin and incorporate necessary components for FEMA certification. Conceptual-level remedial measures will be developed as part of the Problem Identification Report. The concept-level remedial measures can then be advanced to implementation by leveraging additional future funding through State and Federal flood risk reduction programs. and subsequently advanced to implementation using additional future funding.