

Yuba IRWMP – TRLIA-03 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	Three Rivers Levee Improvement Authority (TRLIA)
Name of Primary Contact(s)	Kevin Mallen, County Administrator Yuba County
Mailing Address	1114 Yuba St. Ste. 2184, Marysville, CA 95901
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Phone (###) ###-####	Office: 530-749-6990
Project Partners/Collaborators	YWA; Reclamation District 784
YWA Liaison	TBD

GENERAL PROJECT INFORMATION

Project Title	TRLIA Climate Change Resiliency Project (Goldfields 500yr Project)
Project Total Budget (Attach detailed budget, if available)	\$30,000,000; a more detailed budget break down will be provided when available.
Budget Breakdown	Planning/Design Budget: In Development Implementation Budget: In Development
Project Funding Match, if any	\$0; a grant application is currently being prepared under the FEMA BRIC program to leverage federal funding for the project at a 75% (Federal) – 25% (Local) Cost Share. If approved the local cost share obligation would be \$7.5M.
Total Project Funding Need	\$30,000,000
Project Location (Attach map if available)	
Watershed/subwatershed	Sacramento Valley 5-21.61
Groundwater Basin (Select one)	<input 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 type="checkbox"/> Chronic lowering of groundwater levels <input type="checkbox"/> Reduction of groundwater storage <input checked="" type="checkbox"/> Degraded water quality <input type="checkbox"/> Land subsidence <input type="checkbox"/> Depletions of interconnected surface waters
Project Priority (Select one)	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low
Project Type (check <i>all</i> that apply)	<input type="checkbox"/> Conceptual <input type="checkbox"/> Feasibility Study <input type="checkbox"/> Study/Assessment <input type="checkbox"/> Planning

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

	<input checked="" type="checkbox"/> Engineering/Design <input type="checkbox"/> Permitting <input type="checkbox"/> CEQA/NEPA <input checked="" type="checkbox"/> Facility Construction <input type="checkbox"/> Restoration <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Best Management Practices <input checked="" 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 type="checkbox"/> Exempt <input type="checkbox"/> Not Started <input type="checkbox"/> Initial Study <input checked="" type="checkbox"/> EIR <input type="checkbox"/> Determination <input type="checkbox"/> Unknown if Required
NEPA (Select one)	<input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Not Started <input type="checkbox"/> Environmental Assessment if Required <input type="checkbox"/> EIS <input type="checkbox"/> Record of Decision <input type="checkbox"/> Unknown
Permitting (Select one)	<input type="checkbox"/> Not Required <input type="checkbox"/> Not started <input checked="" 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).

The TRLIA Climate Change Resiliency Project (Goldfields 500yr) will ensure the RD 784 urban levee system is resilient to climate change by improving specific levee segments to provide a uniform level of flood protection for the urban levee system that protects the communities of Linda, Olivehurst and Plumas Lake. These communities have a history of flooding as a result of levee breaks in the floods of 1986 and 1997. The communities of Linda and Olivehurst are defined as Disadvantaged Communities.

The proposed project includes: Improving segments of the RD 784 urban flood control system that have the lowest levels of performance to address levee superiority concerns (differing flood protection levels) within the existing system and ensure FEMA 100yr and State of California 200yr urban level of protection requirements are maintained in the future when considering potential flood flow increases from climate change and or changes in USACE levee design standards. The project will improve the overall performance to approximately 300-year.

The project will implement the following improvements identified in the project Environmental Impact Report (EIR): - Feather River Improvements: 4,000 lf of soil bentonite cutoff wall; 1,500 lf of levee raise - Bear Setback Improvements: 500 lf of 50ft wide seepage berm 3-5 ft in height (landside fill). - Yuba River Goldfields Levee Improvements: 8,700 lf of new levee embankment including 3 60-inch gate culverts - Yuba River Levee Improvements: 3,000 lf of 70 ft deep soil bentonite cutoff wall; 7,600 lf of levee raises ranging from 0.3 ft minimum to 1.4 ft maximum.

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 existing urban portion of the RD 784 levee system has varying levels of flood protection as noted below:

Yuba River South Levee & Goldfields 200-year Levee: 200- to 300-year
Feather River East Levee & Setback Levee: 370-year
Bear River North Levee & Setback Levee: 200- to 370-year
Western Pacific Interceptor Canal (WPIC) West Levee & Olivehurst Detention Basin (ODB) Ring Levee: 200-year

With the varying levels of flood protection, portions of the RD 784 urban levee systems that have the lowest level of performance have associated levee superiority concerns or differing flood protection levels. The project seeks to provide a uniform approximate 300-yr level of flood protection throughout the RD 784 urban levee system. The project will ensure the CA State 200-year urban level of protection is maintained in the future when considering potential flood flow increases from climate change as well as ensuring that proposed changes to USACE levee design requirements do not result in lower levels of protection.

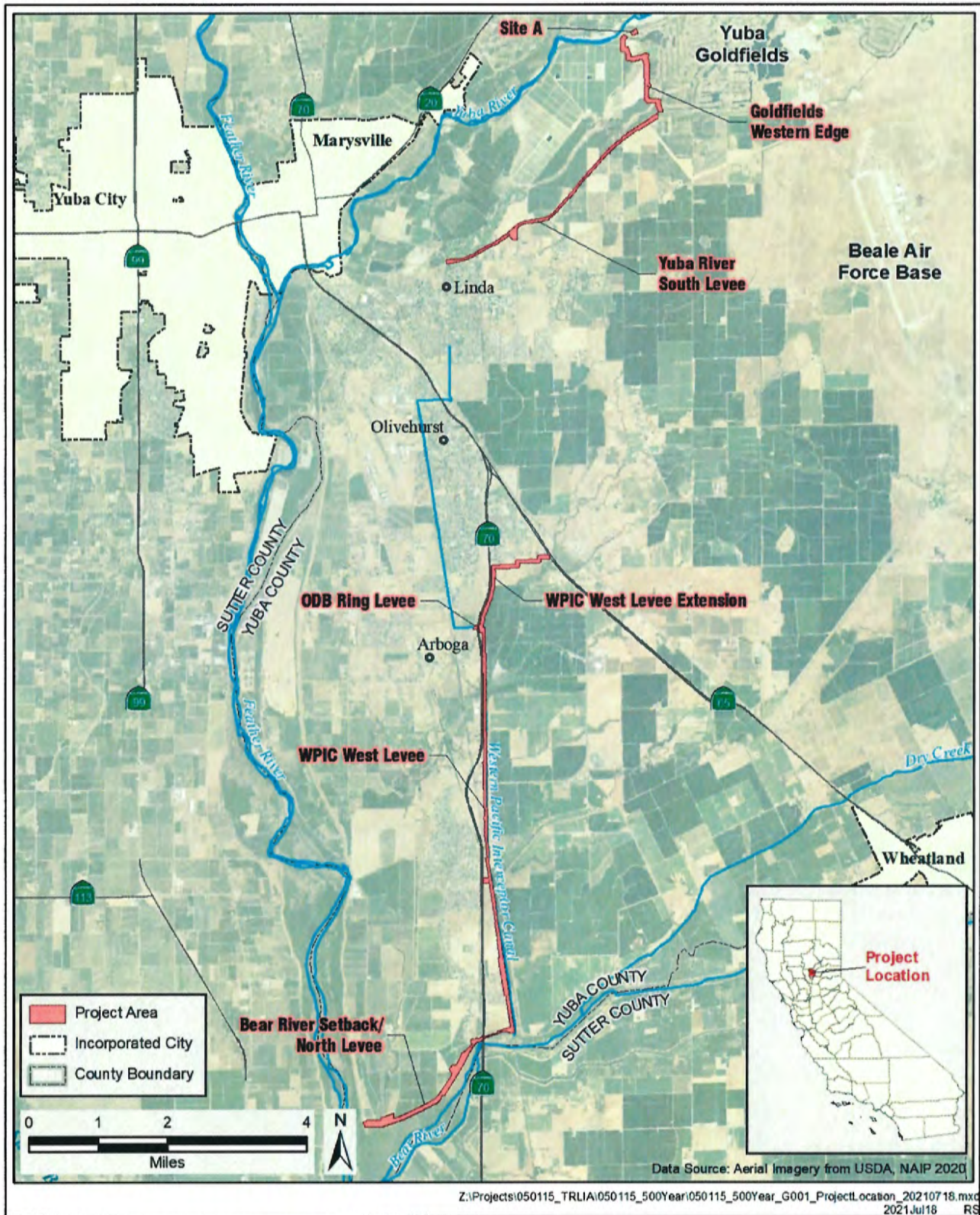
The TRLIA Climate Change Resiliency Project has independent utility and is not dependent on outside actions or projects to meet project objectives. However, the performance of this levee system would be further improved by a proposed Yuba Water Agency project to construct the Atmospheric River Control (ARC) Spillway at New Bullards Bar (NBB) Dam, which will reduce downstream flood stages and increase level of protection provided by the RD 784 levees. Yuba Water Agency is seeking funding through a separate BRIC grant application for the ARC spillway project. The downstream stage reductions associated with the ARC Spillway Project, in conjunction with the TRLIA Climate Change Resiliency Project, will increase the level of protection to approximately 500yr.

Deliverables include: 100% engineering design plans and specifications, land acquisition, permits, and construction.

ATTACHMENT:

- Map of project location

Figure 1 Project Area



Source: HDR, Inc. 2021, adapted by GEI Consultants, Inc. in 2021