

Acquisition of Landside Urban Levee Maintenance Corridors RD784-01

I. Project Sponsor Contact Information

Lead Agency/Organization	Reclamation District 784
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II. General Project Information

Project Title	Acquisition of Landside Urban Levee Maintenance Corridors
Project Total Budget	\$5.5 million
Project Funding Match	The RD784 Urban Levee System serves two Disadvantaged Communities (Linda and Olivehurst) as well as industrial and commercial infrastructures, schools, community medical facilities throughout the basin.
Project Funding Request	\$5.5 million
Can a detailed cost estimate be provided upon request?	Yes
Project Location:	Landside of the Urban levee
Could you provide a map of the project location including boundaries upon request?	Yes
County	Yuba
City/Community	Linda, Olivehurst, Plumas Lake
Watershed/subwatershed	Yuba River
Groundwater Basin	Yuba Groundwater Basin, South Yuba Sub-basin
Project Type	Planning Acquisitions

III. Project Description

California Title 23, the California Urban Levee Design Criteria and the United States Army Corps of Engineers regulations (Public Law 84-99) all require the acquisition either in fee or easement of landside maintenance corridors needed to patrol and if necessary, flood fight. In the past, land rights were not obtained in many areas. The cost to comply with Maintenance Corridor regulations as mandated through California Title 23 and Public Law 84-99 is well beyond the financial capability of Yuba County or Reclamation District 784.

The purpose of this project is to acquire land for maintenance corridors in areas where the district is currently non-compliant with the aforementioned state and federal regulations. In particular, this project aims to acquire properties in the Silverwood Estates residential neighborhood that is abutted by the Yuba River South Levee and other urban levee areas where no land rights were obtained and no maintenance corridor was established. This project would substantially enhance flood protection throughout the urban basin.

The urban basin serves two Disadvantaged Communities as well as other vital infrastructures and communities.

IV. Project Rationale/Issues Statement

This project enhances flood management and protects water conveyance, several wastewater management and ground water recharge facilities that serve Linda and Olivehurst, two disadvantaged communities. The project, additionally, ensures compliance with state and federal flood management regulations, maintaining the district’s eligibility for federal assistance for flood preparedness, emergency response and rehabilitation. The project specifically addresses the following regional issues:

- Improving flood management;
- Ensuring regulatory compliance;
- Adapting to climate change.

V. Goals/Objectives/Performance Metrics

Goals Addressed by the Project:	<p>Goal 1: Ensure adequate and reliable water supply that meets the diverse needs of the region</p> <p>Goal 2: Protect, restore and enhance water quality for water users and in support of healthy watersheds</p> <p>Goal 5: Protect public safety through emergency and drought preparedness and integrated flood management</p> <p>Goal 6: Address climate vulnerabilities and reduce greenhouse gas emissions</p> <p>Goal 7: Promote equitable distribution of resources to disadvantaged communities and tribes across the region</p>
Objectives Addressed by Project	<p>1.4 Promote disaster preparedness and conservation planning efforts;</p> <p>1.5 Maintain and enhance flood control infrastructure to protect water supplies;</p> <p>2.1 Protect and improve water quality by mitigating for urban, agricultural and sediment run-off;</p> <p>2.2 Minimize water quality impacts from flood;</p> <p>5.1 Improve integrated flood management to ensure emergency</p>

	<p>preparedness, increase flood protection and enhance regional and inter-regional collaboration;</p> <p>6.3 Increase system flexibility and resiliency to adapt to climate variability;</p> <p>7.2 Prioritize ongoing participation of DACs in the Regional Water Management Group</p>
<p>What performance metrics will be used to demonstrate that objectives are being met? Wherever possible, provide a quantitative measurement reflecting successful project outcomes.</p>	<p>Success would be achieved when fee simple acquisition of land needed for Title 23 and USACOE regulation requiring landside and waterside toe maintenance along the entire urban levee system.</p>

VI. Resource Management Strategies

Improve Water Quality	
Urban Runoff Management	The catchment basin captures sediment and miles of drainage canals convey and filter urban stormwater.
Practice Natural Resources Stewardship	
Land Use Planning and Management	Without Levee certification, land behind the levees cannot be developed. Excessively expensive FEMA flood insurance rates would be imposed/
Improve Flood Management	
Flood Risk Management	Internal Drainage flood management that protects water treatment, water conveyance and ground water recharge facilities.

VII. Statewide Priorities

Practice Integrated Flood Management

- Better emergency preparedness and response
- Improved flood protection
- More sustainable flood and water management systems

Ensure Equitable Distribution of Benefits

- Increase the participation of small and disadvantaged communities in the IRWM process

Climate Change Adaptation

The urban levee system was designed to provide both a 100 year (Federal) and 200 year (State of California) levels of flood protection. The establishment of landside maintenance corridors to allow flood fight, patrol and maintenance functions are required by state and federal regulations. While

alternative methods are currently in place to assure public safety, ultimately land rights will have to be obtained and maintenance corridors established. During the Urban Levee construction, TRLIA was able to obtain and construct maintenance corridors. This project is designed to complete that process.

GHG Emissions Reduction

Acquisition of Fee simple land itself does not require any construction processes. In the future, removal of trees and structures and the construction of toe roads might to be done to fully comply. Some of the tree removal could be accomplished during the regular course of farm operations. RD784 has been actively recycling trees as firewood whenever possible rather than just burning woody materials as garbage. During other area construction projects, wood pulp has been salvaged during chipping operations.

VIII. Project Status and Schedule

Project Stage	Description of Activities in Each Project Stage	Planned/Actual Start Date	Planned/Actual Completion Date
Planning	Complete	Complete	Complete
Design	N/A		
Environmental Documentation (CEQA/NEPA)	N/A		
Permitting	N/A		
Tribal Consultation (if not applicable, indicate by N/A)	N/A		
Construction/ Implementation	N/A	N/A	N/A

IX. Project Technical Feasibility

a. List the water planning documents that specifically identify this project.	<ul style="list-style-type: none"> • RD784 Master Drainage plan and part of the • Yuba County General Plan
b. List the adopted planning documents the proposed project is consistent with (e.g., General Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, etc.)	<ul style="list-style-type: none"> • RD784 Master Drainage plan and part of the • Yuba County General Plan
c. List technical reports and studies supporting the feasibility of this project.	<ul style="list-style-type: none"> • USACE Period Inspection 2010-2011 • Title 23 California Water Code requirement

