

SACRAMENTO-SAN JOAQUIN DELTA ISLANDS & LEVEES, CA  
CALFED LEVEE SYSTEM INTEGRITY PROGRAM  
REQUEST FOR PROPOSALS  
FOR DEVELOPMENT OF POTENTIAL INITIAL PROJECTS

PROJECT SUMMARY INFORMATION SHEET

Submitting Agency:

Reclamation District 800 – Byron Tract

Project Name:

Levee Seismic Upgrades

Purpose of Project:

Improve dynamic stability of District's levee system

Location of Project:

Reclamation District 800 – Byron Tract, Contra Costa County

Problems Addressed By Project:

Improve Factor of Safety and levee performance during seismic event.

Opportunities:

To Reduce Flood Damages:

Reclamation District No. 800 – Byron Tract (RD 800) operates and maintains approximately 10 miles of levee along Indian Slough, Old River and Italian Slough which protect 1,500 acres of highly developed subdivision known as Discovery Bay and 5,500 acres of farmland. This proposed levee improvement project would add additional Factor of Safety in those areas more susceptible to instability due to deep sand deposits. RD 800 operates and maintain an additional 8 miles of levee that are either located on the dry west side of the District or are included as part of the engineered fills of Discovery Bay.

Protect Water Supply/conveyance:

RD 800's levees are immediately downstream of the State Water Projects intake on Old River

Ecosystem Restoration:

N/A

Project Description:

RD 800 plans on undertaking an extensive subsurface geotechnical investigation along its levee system in order to target areas that would benefit from the

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proposed seismic upgrades. It is anticipated that the geotechnical analysis would focus the District's project in areas of know deep sand deposits typically in areas where tight bends exist in the river and levee system.

Project Scope:

The following are anticipated repair reaches:

Levee Station 60+00 to 90+00 – 3,000 l.f.	
Levee Station 110+00 to 135+00 – 2,500 l.f.	
Levee Station 140+00 to 175+00 – 3,500 l.f.	
Levee Station 260+00 to 310+00 – 5,000 l.f.	
<u>Levee Station 370+00 to 385+00 – 1,500 l.f.</u>	
<b>TOTAL</b>	<b>15,500 l.f.</b>

Project Costs:

Seismic Upgrade/Cut-off Wall	\$12 to \$17.5 million
Engineering, Design, & Construction	\$1.8 to \$2.5 million

Willingness & Ability to Cost Share

At this time, RD 800 has limited ability to Cost Share in a Federal Project. This is a critical matter, and needs to be resolved prior to RD 800 committing to cost share. In the past, other Districts have provided land, easements and/or right of ways, while the State of California has picked up the balance of the cost share. In order for the RD 800 to consider cost sharing in this project, other responsible agencies will also need to be identified and commit to cost sharing.

Point of Contact & Agency Affiliation

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Scoping & Screening Information

Project urgency

RD 800 provides flood protection for very valuable real estate worth in excess of \$1.0 billion located in the north east corner of the District as well as protecting over \$30 million worth in farmland throughout the balance of the District. In addition to protecting valuable property the District's flood control system also protects State Route 4 which runs directly through the middle of the District providing a major east --west corridor through the Sacramento San Joaquin Delta. Paralleling State Route 4 is a significant utility corridor carrying important fiber optic communication cables.

Anticipated changes in magnitude, frequency or duration of flood flows:

Not Applicable.

How does project address flooding, ecosystem, water supply & quality?

See Answers in text above.

Who or what will benefit from the potential project?

See Answers in text above.

What is the likely federal, state & local agency support?

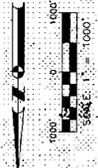
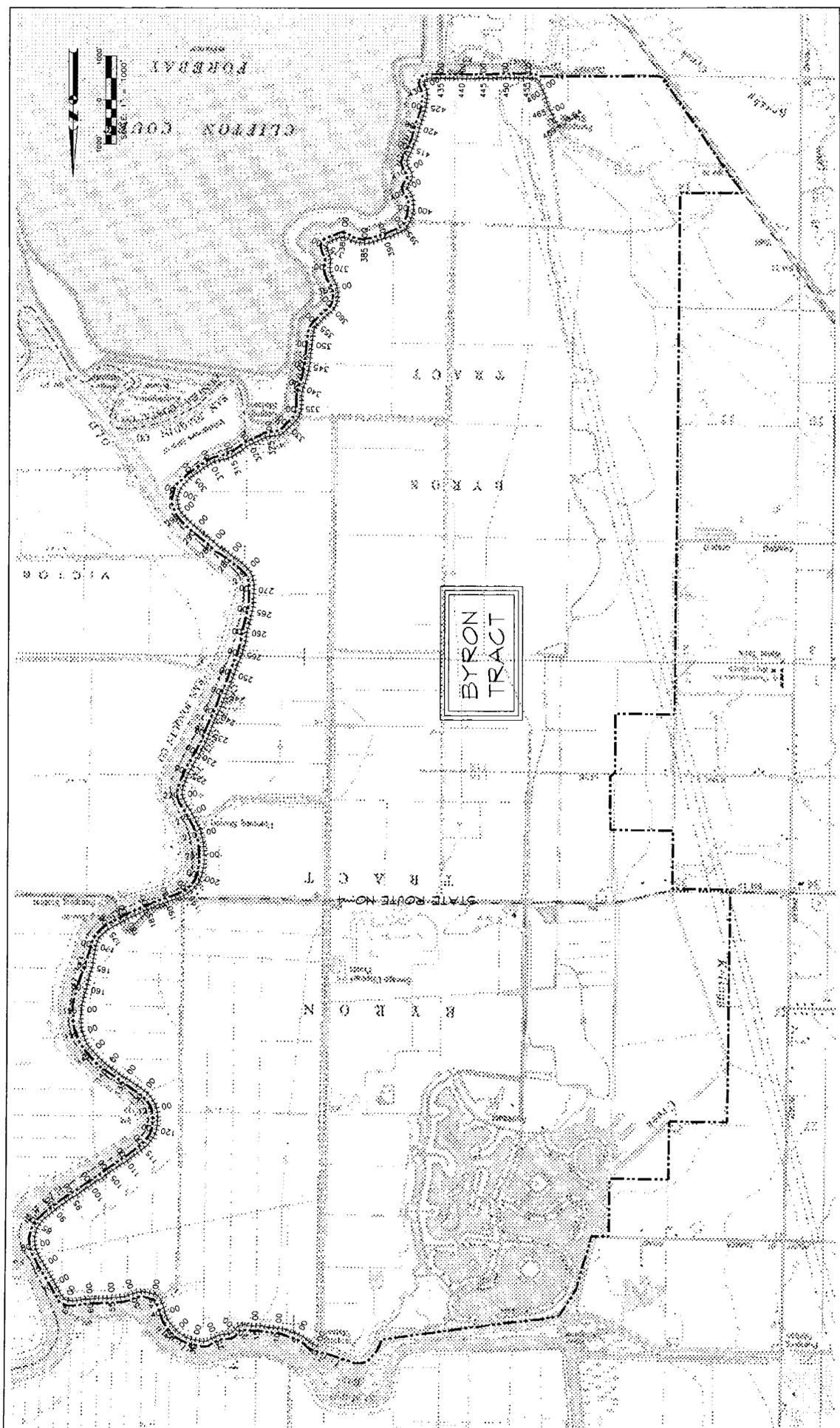
See paragraph above regarding "Willingness & Ability to Cost Share."

Are there obstacles that may delay development and implementation of project?

Available Cost Sharing.

Is your agency ready, willing and able to serve as non-federal sponsor?

See paragraph above regarding "Willingness & Ability to Cost Share."



<b>K KJELSDEN</b> <b>S SINNOCK</b> <b>N NEUDECK</b> INC. Consulting Engineers and Land Surveyors		First Office Bldg. #44 711 N. Peckham Avenue Berkeley, CA 94701-0844 Phone: (925) 846-0298 Fax: (925) 846-0298 E-mail: KSNE@kinc.com		<b>RECLAMATION DISTRICT NO. 800</b> <b>BYRON TRACT</b> <b>OVERALL DISTRICT</b> <b>BASE MAP</b>		Date: JAN 2006 Sheet Number: 1 of 1 Project File No.: 0555-0050
Revisions No. Description Date By		Design: JAM Drawn: BAS Check: CHN		Scale: 1" = 1000' Original Drawing Scale: 0 1/2" 1"		