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TELEPHONE
(916) 678-5412

no costs stated

I-072

7178 YOLANO ROAD
DIXON, CALIF. 95620

IRRIGATION



DRAINAGE

RECLAMATION DISTRICT NO. 2068

July 28, 1997

CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

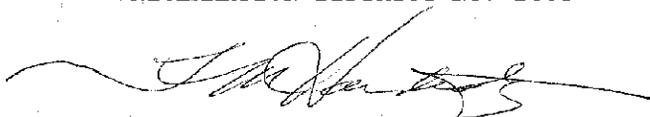
REGARDING: 1997 Category III
Inquiry Submittal

Enclosed is an Inquiry Submittal by Reclamation District No.
2068. Our contact on this project is:

Mike Hardesty
Reclamation District No. 2068
7178 Yolano Road
Dixon, CA 95620
916 678-5412

Sincerely,

RECLAMATION DISTRICT NO. 2068



T. M. Hardesty
General Manager

TMH/nsd

Enclosure

I - 0 0 7 7 3 6

I-007736

Inquiry submittal

Title: Agricultural Runoff Rediversion and Reuse Facility
Applicant: Reclamation District No. 2068
7178 Yolano Road, Dixon, California 95620
Phone: (916) 678-5412 Fax: (916) 678-5414

Project Description and Primary Biological/Ecological Objectives

This proposal would request funding from Category III to complete the feasibility, environmental, design and construction of an agricultural runoff reuse facility. The project would involve the construction of a pumping plant and channel extension to redirect ag drainage from its current discharge point on Shag Slough, back to the District's main irrigation canal for reuse on irrigated lands. The result would be less drain water discharged and less irrigation water diverted. Currently, ag runoff from approximately 5600 acres of agricultural production (mixed annual cropping and irrigated pastures) discharges into Shag Slough, tributary to Cache Slough, in the North Delta. It is proposed to redirect this drainage back to the local area irrigation water supply.

The specific objective of the project is to reduce the discharge of agricultural contaminated water to Delta channels, resulting in reduced sediment deposition, reduction in salinity, reduction in ag chemical and nutrient introduction and a commensurate reduction in diversions for irrigation.

Approach/Tasks/Schedule

The District's approach is to complete feasibility, preliminary design and initial environmental assessment; and, if appropriate, to proceed to final design, environmental documentation, permitting, right of way acquisition, secure bids for construction and project completion. All phases of the project, except construction, will be performed by the District with the assistance of consultants. Construction will be performed by a qualified contractor, selected by competitive bid. The District will operate and maintain the facility. Major tasks for the project are: Feasibility study, Environmental Assessment, Preliminary Siting and Design, Final Design and Construction. The District has not established a schedule for the project. The project and schedule is dependent upon outside funding.

Justification for Project and Funding by CALFED

Identified Stressors that can be addressed by this project include;

- 1) Channel form changes
 - a) Reduced channel aggradation due to fine sediments.
- 2) Water Quality
 - a) Reduced contaminant introduction from agricultural runoff.
 - b) Reduced salinity introduction to Delta channels by rediversion of ag runoff.
 - c) Isolation of impacts from grazing and other

agricultural operations.

3) Alteration of Flows

- a) Irrigation diversion reductions equivalent to drainage water rediverted to irrigation use.

The project location is in the northwestern area of the Delta in Solano County. Impacted waters include Shag, Cache and Hass Sloughs. Sensitive species may include smelt and other resident and migratory fish species. The project is, therefore, consistent with identified stressors and priorities for project funding by CALFED.

Project Costs and Third Party Impacts

Project costs would be determined as part of the feasibility portion of the work. Initial Feasibility, environmental review and preliminary design is expected to be approximately \$60,000. Third party impacts would include landowners involved in right of way acquisition. It is expected that not more than four landowners are affected.

Applicant Qualifications

The project will be managed by the District with the assistance of their engineers, Ensign & Buckley Consulting Engineers (EB) and/or Murray, Burns and Kienlen (MBK), and an environmental consultant to be selected by the District. Reclamation District No. 2068 is a public agency responsible for the maintenance and operation of levees, drainage channels, irrigation channels and pumping plants within its jurisdiction, EB has provided engineering services to the District for over fifteen years including construction of pumping plants and drainage facilities. MBK has provided engineering and planning services to the District for over twenty-four years. Both EB and MBK are well acquainted with the CEQA process, project definition, design, bidding, contract requirements, construction and construction management.

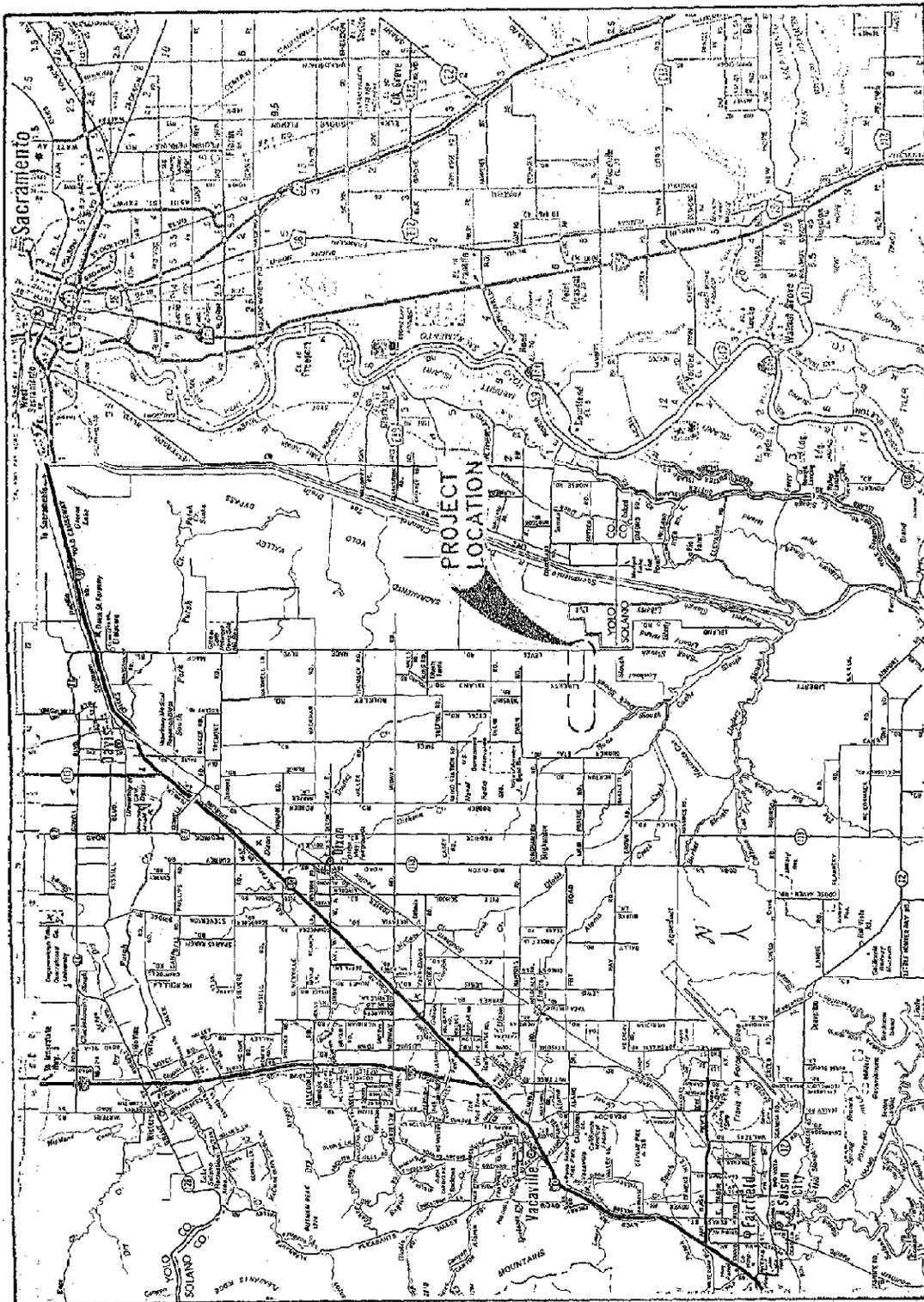
Monitoring and Delta Evaluation

The District has performed water quality monitoring (TDS) periodically at its point of discharge to Shag Slough and in the local irrigation water supply. Such monitoring will continue. The District has data available to determine discharge volumes that are available for rediversion. Post construction monitoring would be incorporated, as appropriate, into the project design.

Local Support/Coordination with Other Programs/Compatibility with CALFED Objectives

The project has not been reviewed by local or other interested parties except for review of the project concept by the Board of Trustees of Reclamation District No. 2068.

Construction of this project is consistent with the identified stressors and priorities for project funding by CALFED. The reduction of sediment loading, improvement of Delta and tributary channel water quality and reduction in direct diversions from the Delta all serve to improve the aquatic habitat of the Sacramento-San Joaquin Bay Delta system.



LOCATION MAP
 SCALE: 1" = APPROX. 4 MILES

EXHIBIT 1
 I - 007739

RECLAMATION DISTRICT

No. 2068

DISTRICT FACILITIES

LEGEND

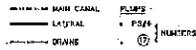
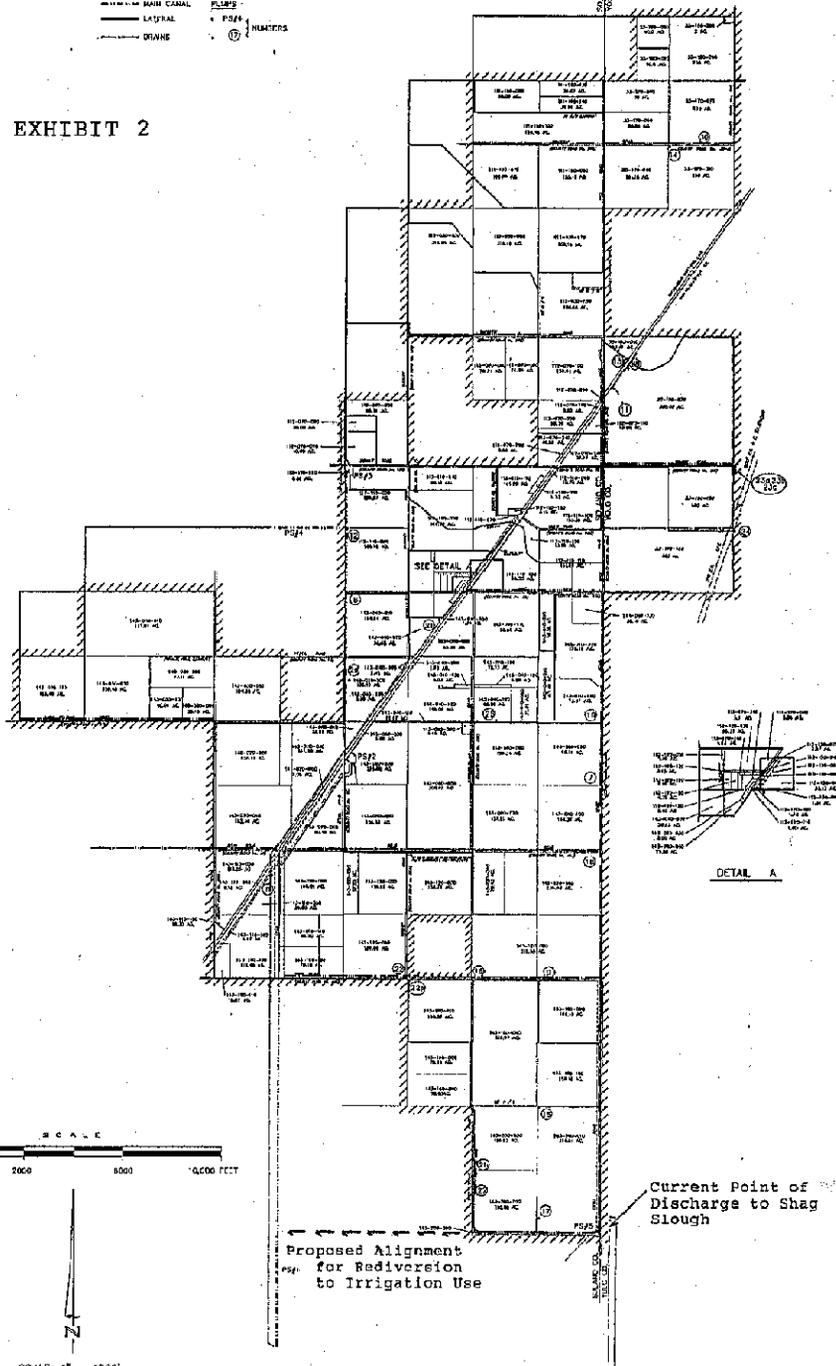


EXHIBIT 2



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