

RECLAMATION DISTRICT No. 2026
WEBB TRACT
1660 Olympic Blvd., Suite 350
Walnut Creek, California 94596-5109

1/3

January 31, 2006

Colonel Ronald N. Light
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, California 95814

Dear Colonel Light:

This letter conveys Reclamation District 2026's (RD 2026) intent to participate in feasibility studies and/or other actions in the development of the Webb Tract Bank Protection Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

RD 2026 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. RD 2026 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, rights-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. We look forward to working with the U.S. Army Corps of Engineers, the State of California, and other pertinent CALFED agencies and stakeholders on this important project.

If you have any questions, you may contact me at 925/287-3494 or Gilbert Cosio at 916/456-4400.

Sincerely,



David Forkel, Trustee

Name: Webb Tract Levee Rehabilitation Project

Purpose: The purpose of the project is to rehabilitate the existing Webb Tract levee to the Army Corps of Engineers PL-99 cross section standard.

Location: The project is located on Webb Tract in the Sacramento-San Joaquin Delta, Contra Costa County (Plate 1). Webb Tract is approximately 5,500 acres and is protected by 12.8 miles of levees on the San Joaquin River, False River, and Fisherman's Cut.

Problems: The current levee cross section maintained on Webb Tract is subject to failure by overtopping, erosion, subsidence, and seismicity. Levees of Webb Tract are currently maintained to the Short Term Hazard Mitigation Plan (HMP) cross section. This cross section calls for a 16 foot levee crown at 1.0 feet above the 100 year flood elevation with a 1.5H:1V waterside slope and a 2H:1V landside slope. This cross section provides minimal freeboard for overtopping due to high river flows, high tides, and high winds. Also, the levees are built on a peat foundation which is constantly subsiding causing embankment cracking, loss of freeboard and continual maintenance. The cross section also has little to no resistance to earthquake forces. The Webb Tract levees under the current HMP cross section are at risk to a catastrophic levee failure.

Opportunities: Opportunities may exist in conjunction with this project to plant the new levee toe berm with native vegetation to create upland habitat. A number of factors would have to be evaluated to determine if this is feasible.

Project Description: The project consists of placing fill material on the landside slope and levee crown to achieve the PL-99 cross section standard along critical reaches of the Webb Tract levee (Plate 2). Rehabilitating the Webb Tract levee to the PL-99 cross section standard would reduce the flood risk on the island. Webb Tract has some deep deposits of peat material on the levee along the San Joaquin River. Construction of the PL-99 cross section would eliminate or minimize the subsidence within the levee structural section. This would greatly reduce the operation & maintenance cost associated with subsidence of the current levee. The PL-99 cross section standard calls for a 16 foot levee crown 2.0 feet above the 100 year flood elevation. It has a 2H:1V waterside slope and a 5H:1V landside slope (Plate 3). It is estimated that approximately 500,000 cubic yards of material would be needed to rehabilitate the entire 12.8 miles of levee to the PL-99 standard. The proposed project would address the most critical reaches of the levee which would be identified in the feasibility phase of the project. The Reclamation District is seeking a project on the order of \$10 million dollars to rehabilitate the critical reaches of the levee.

Statement of Willingness and Ability to Cost Share: See attached letter.

Point of Contact: Gilbert Cosio, Jr
MBK Engineers
2450 Alhambra Blvd 2nd Floor
Sacramento, CA 95817
Phone: 916/456-4400
Fax: 916/456-0253
Email: Cosio@mbkengineers.com

Scoping & Screening Information:

- In your opinion, what is the urgency for your proposed project? Is there an imminent threat to life, property, critical habitat, or other prominent resource?

The levees currently protect 5,500 acres of agriculture, wildlife habitat, wildlife use, potential habitat for over 10 special status species and recreation.

The property faces imminent threat to life, property, and habitat every winter during high tides, high wind events, and floodwater periods.

- Would there be a change in the magnitude, frequency, or duration of flood flows in other areas of the levee system as a result of the potential project?

There would not be a change in magnitude, frequency, or duration of flood flows as a result of this project.

- What would the proposed project do to address flooding, ecosystem, water supply and quality, and other problems and needs locally and regionally?

The proposed project would reduce the risk of flooding on Webb Tract. This protection will also reduce the risk of loss of ecosystem benefits derived from the 5,500 acres of agriculture on Webb Tract, protect the water supply and quality of the Delta region as well as the service area of the state and federal water projects exporting water from the Delta, and avoid seepage impacts to neighboring Delta islands similar to the Jones Tract flooding in 2004.

- Are there non-structural or other ways to address flooding, ecosystem, water supply and quality, and other problems in the potential project area and if so what are they?

There are no non-structural elements that could be implemented to reduce the flood risk.

- Who and/or what would benefit from the potential project?

Reducing the flood risk on Webb Tract has local and regional benefits. DWR identified Webb Tract as one of the eight critical western Delta islands which are

critical to protecting Delta water quality because of their vicinity to channels where fresh and salt waters mix. A levee failure on Webb Tract would reduce the water quality in the Delta causing the SWP and CVP to cut back exports, and release more water to prevent salt water intrusion and to maintain water quality standards in the Delta. The water quality effects are evident from the Lower Jones break in 2004; a similar scenario or worse would occur if Webb Tract were to flood.

- What is the likely Federal, State and local agency support?

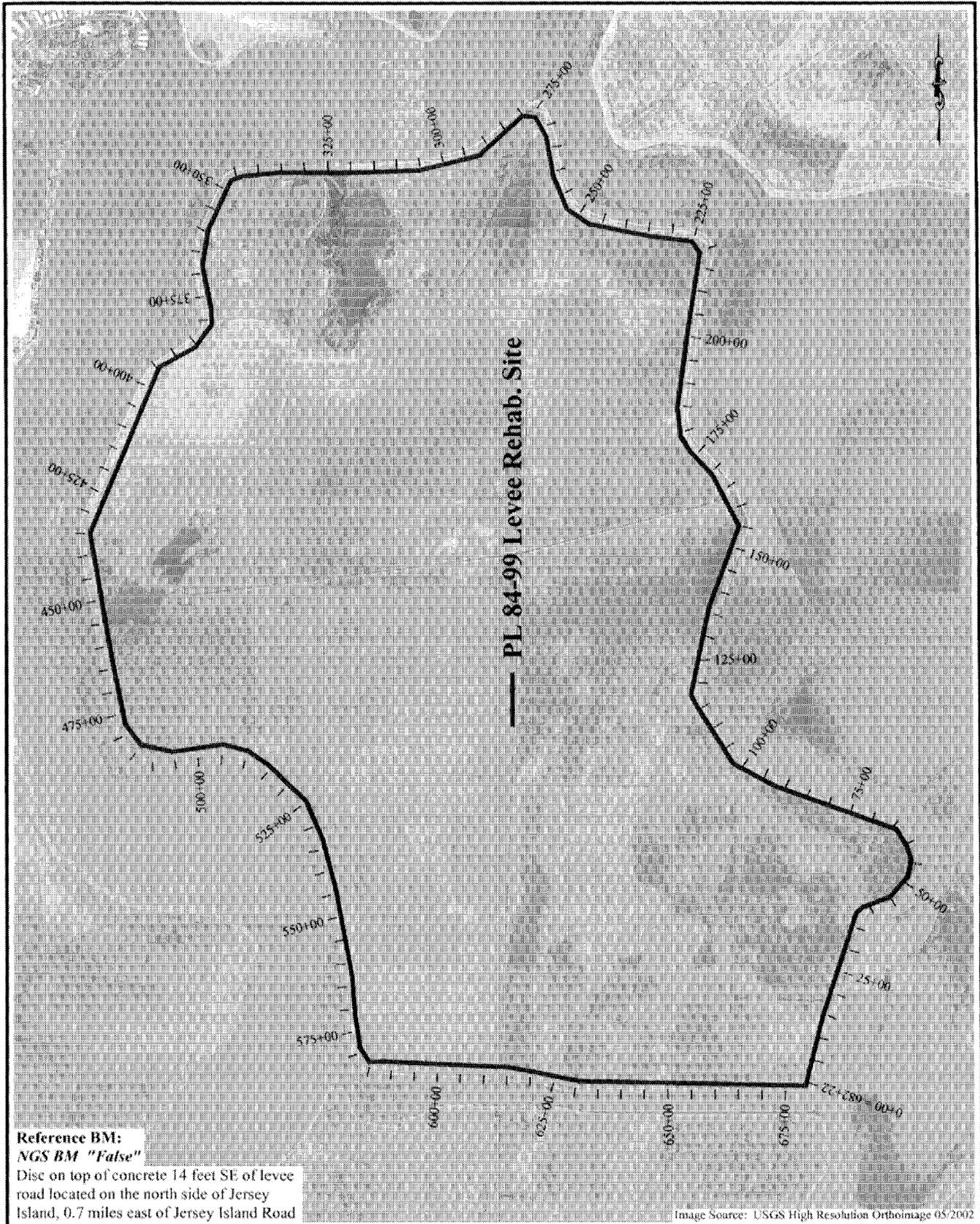
It is anticipated the State support would come from the Department of Water Resources Delta Levee Subventions Program and local support from Reclamation District No. 2026.

- Are there any known challenges or obstacles that may delay rapid development and implementation of your potential project?

There are no known challenges or obstacles that would delay rapid development and implementation of the project. Webb Tract has a single landowner which is committed to implementing projects that would reduce the flood risk on the island.

- Is your agency ready, willing, and able to serve as a non-Federal sponsor for this potential project, and able to provide required cost-sharing and other assurances?

Reclamation District No. 2026 is willing to serve as the non-Federal sponsor for any potential projects on the island that would reduce the flood risk.



Reference BM:
NGS BM "False"
 Disc on top of concrete 14 feet SE of levee road located on the north side of Jersey Island, 0.7 miles east of Jersey Island Road

Image Source: USGS High Resolution Orthoimage 05/2002

MBK ENGINEERS
 2450 Alhambra Boulevard, 2nd Floor
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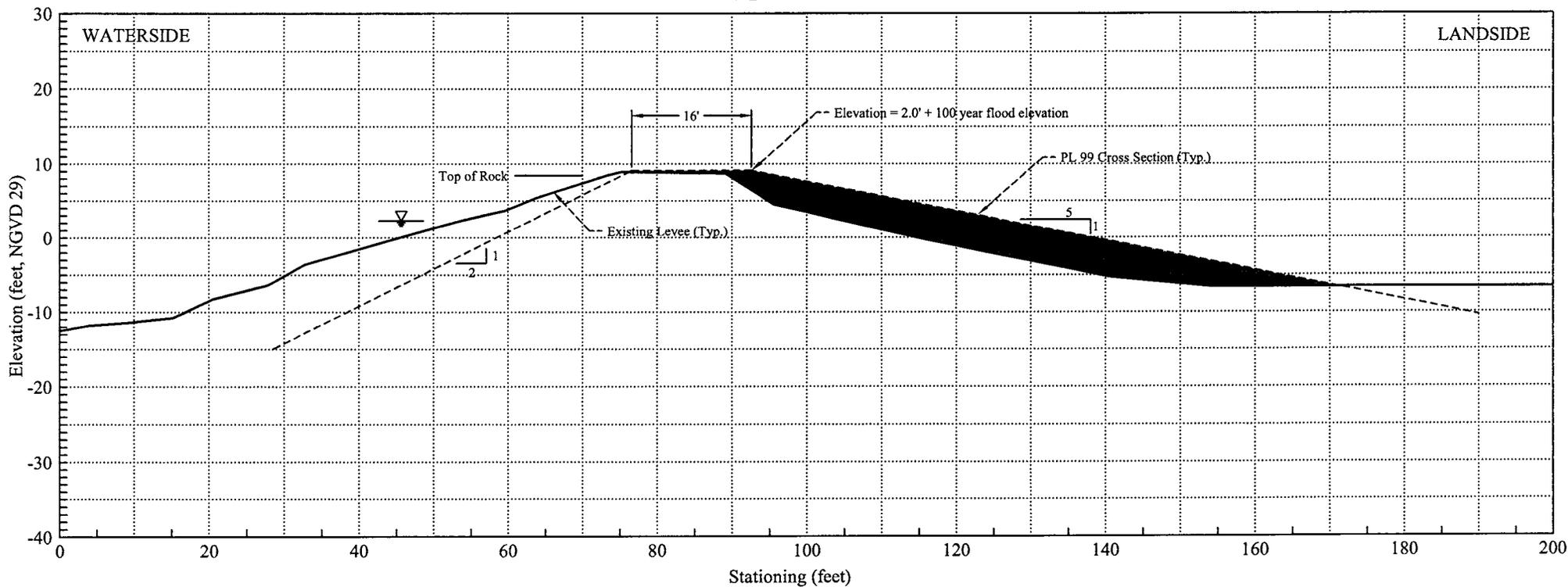
Reclamation District No. 2026 - Webb Tract

SITE LOCATION MAP

SCALE:	1" = 500'	SHEET 1 OF 1 SHEETS
PROJECT NUMBER:	4280.12	
DRAWN BY:	SLP	
DATE:	January 2006	

Graphic scale bar: 0 25 50 75 100 feet
 One Inch. Adjust Scale Accordingly

RD 2026, Webb Tract - Typical PL-99 Levee Cross Section



RECLAMATION DISTRICT No. 2026

WEBB TRACT

1660 Olympic Blvd., Suite 350
Walnut Creek, California 94596-5109

2/3

January 31, 2006

Colonel Ronald N. Light
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, California 95814

Dear Colonel Light:

This letter conveys Reclamation District 2026's (RD 2026) intent to participate in feasibility studies and/or other actions in the development of the Webb Tract Bank Protection Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

RD 2026 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. RD 2026 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, rights-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. We look forward to working with the U.S. Army Corps of Engineers, the State of California, and other pertinent CALFED agencies and stakeholders on this important project.

If you have any questions, you may contact me at 925/287-3494 or Gilbert Cosio at 916/456-4400.

Sincerely,



David Forkel, Trustee

Name: Webb Tract Bank Protection Project

Purpose: The purpose of the project is place riprap on the waterside slope of Webb Tract to protect the levee against wind and wave forces.

Location: The project is located on Webb Tract in the Sacramento-San Joaquin Delta, Contra Costa County (Plate 1). Webb Tract is approximately 5,500 acres and is protected by 12.8 miles of levees on the San Joaquin River, False River, and Fisherman's Cut.

Problems: The current levee cross section maintained on Webb Tract is the Short Term Hazard Mitigation (HMP) plan cross section. Under this cross section standard, the top of levee crown is maintained to an elevation of 1 foot above the 100 year flood elevations. This is also the elevation at which most of the riprap on the waterside slope is placed up to. A foot of freeboard provides minimal protection to erosion caused by wind fetch waves which could splash onto the levee crown and erode the crown and landside slope. Wind fetch waves are of particular concern on Webb Tract where the wind fetch distance is greatest along the San Joaquin River and Franks Tract. Wave forces from boat wakes also cause erosion of the waterside slope requiring constant maintenance of the revetted slope.

Opportunities: Opportunities may exist in conjunction with this project to plant tules at the base of the waterside slope for habitat enhancement. The tules would also aide in dissipating wave energy thus reducing the flood risk on Webb Tract. A more detailed site investigation would have to be undertaken during the feasibility phase of the project to determine if tules or other plant species can be planted.

Project Description: The project consists of placing riprap on the waterside slope of the levee on Webb Tract to reduce the risk of flooding due to erosion (Plate 2). Riprap would be placed from the existing top of rock to the PL-99 elevation (100 yr + 2 feet). In critical reaches where there is a long wind fetch, a splash cap would be constructed 18-24 inches above the PL-99 elevation. This splash cap would help prevent damage to the levee crown and land side slope from wind driven waves. Levee reaches would have to be evaluated during the feasibility phase to determine if riprap could be placed to the PL-99 elevation. There are areas along the levee reach where the levee crown is narrow and placing riprap higher would encroach upon the levee crown. Cost is estimated to be \$1 million.

Statement of Willingness and Ability to Cost Share: See attached letter.

Point of Contact: Gilbert Cosio, Jr
MBK Engineers
2450 Alhambra Blvd 2nd Floor
Sacramento, CA 95817
Phone: 916/456-4400
Fax: 916/456-0253
Email: Cosio@mbkengineers.com

Scoping & Screening Information:

- In your opinion, what is the urgency for your proposed project? Is there an imminent threat to life, property, critical habitat, or other prominent resource?

The levees currently protect 5,500 acres of agriculture, wildlife habitat, wildlife use, potential habitat for over 10 special status species and recreation.

The property faces imminent threat to life, property, and habitat every winter during high tides, high wind events, and floodwater periods.

- Would there be a change in the magnitude, frequency, or duration of flood flows in other areas of the levee system as a result of the potential project?

There would not be a change in magnitude, frequency, or duration of flood flows as a result of this project.

- What would the proposed project do to address flooding, ecosystem, water supply and quality, and other problems and needs locally and regionally?

The proposed project would reduce the risk of flooding on Webb Tract. This protection will also reduce the risk of loss of ecosystem benefits derived from the 5,500 acres of agriculture on Webb Tract, protect the water supply and quality of the Delta region as well as the service area of the state and federal water projects exporting water from the Delta, and avoid seepage impacts to neighboring Delta islands similar to the Jones Tract flooding in 2004.

- Are there non-structural or other ways to address flooding, ecosystem, water supply and quality, and other problems in the potential project area and if so what are they?

There are no non-structural elements that could be implemented to reduce the flood risk.

- Who and/or what would benefit from the potential project?

Reducing the flood risk on Webb Tract has local and regional benefits. DWR identified Webb Tract as one of the eight critical western Delta islands which are critical to protecting Delta water quality because of their vicinity to channels where fresh and salt waters mix. A levee failure on Webb Tract would reduce the water quality in the Delta causing the SWP and CVP to cut back exports, and release more water to prevent salt water intrusion and to maintain water quality standards in the Delta. The water quality effects are evident from the Lower Jones break in 2004; a similar scenario or worse would occur if Webb Tract were to flood.

- What is the likely Federal, State and local agency support?

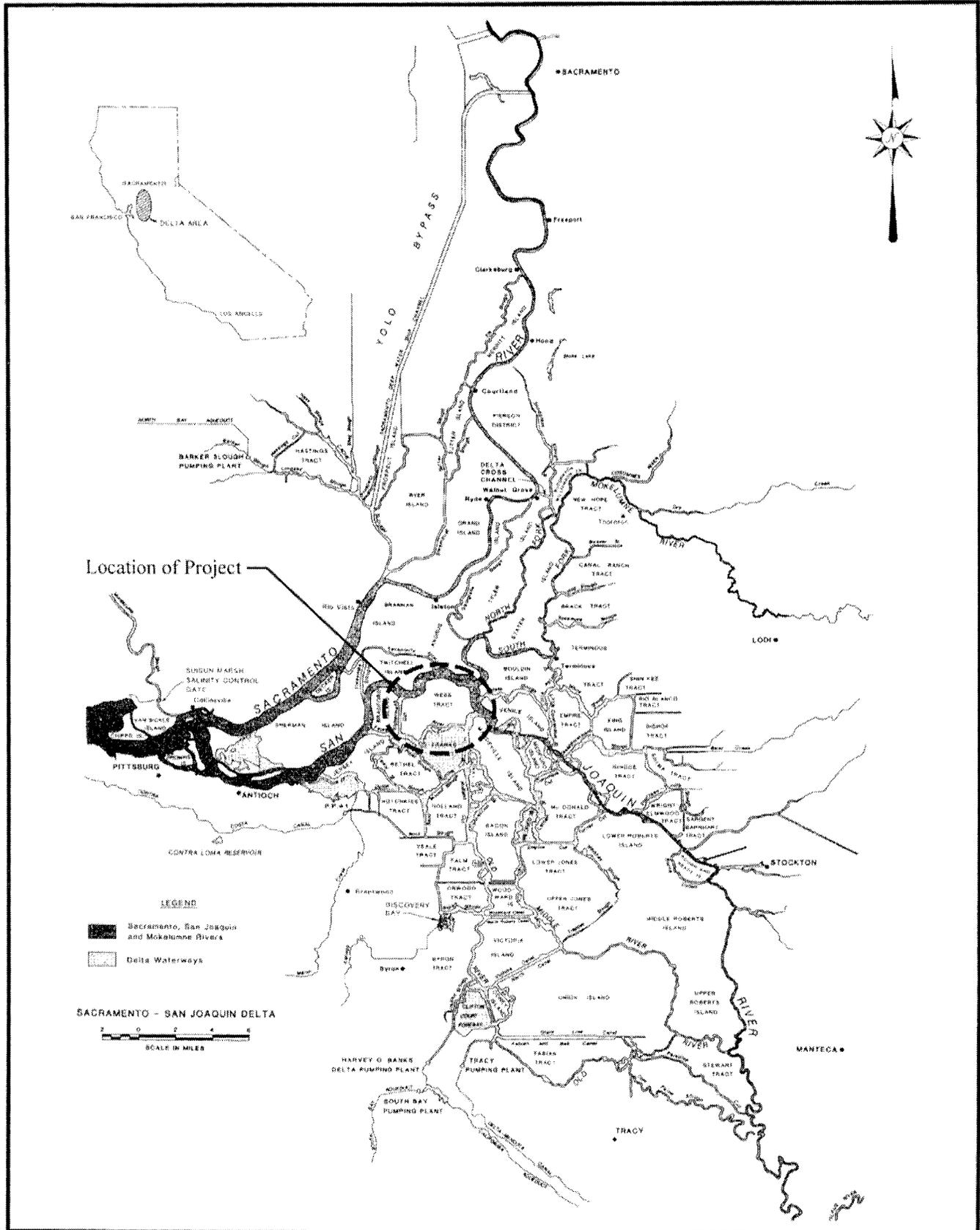
It is anticipated the State support would come from the Department of Water Resources Delta Levee Subventions Program and local support from Reclamation District No. 2026.

- Are there any known challenges or obstacles that may delay rapid development and implementation of your potential project?

There are no known challenges or obstacles that would delay rapid development and implementation of the project. Webb Tract has a single landowner which is committed to implementing projects that would reduce the flood risk on the island.

- Is your agency ready, willing, and able to serve as a non-Federal sponsor for this potential project, and able to provide required cost-sharing and other assurances?

Reclamation District No. 2026 is willing to serve as the non-Federal sponsor for any potential projects on the island that would reduce the flood risk.



Location of Project

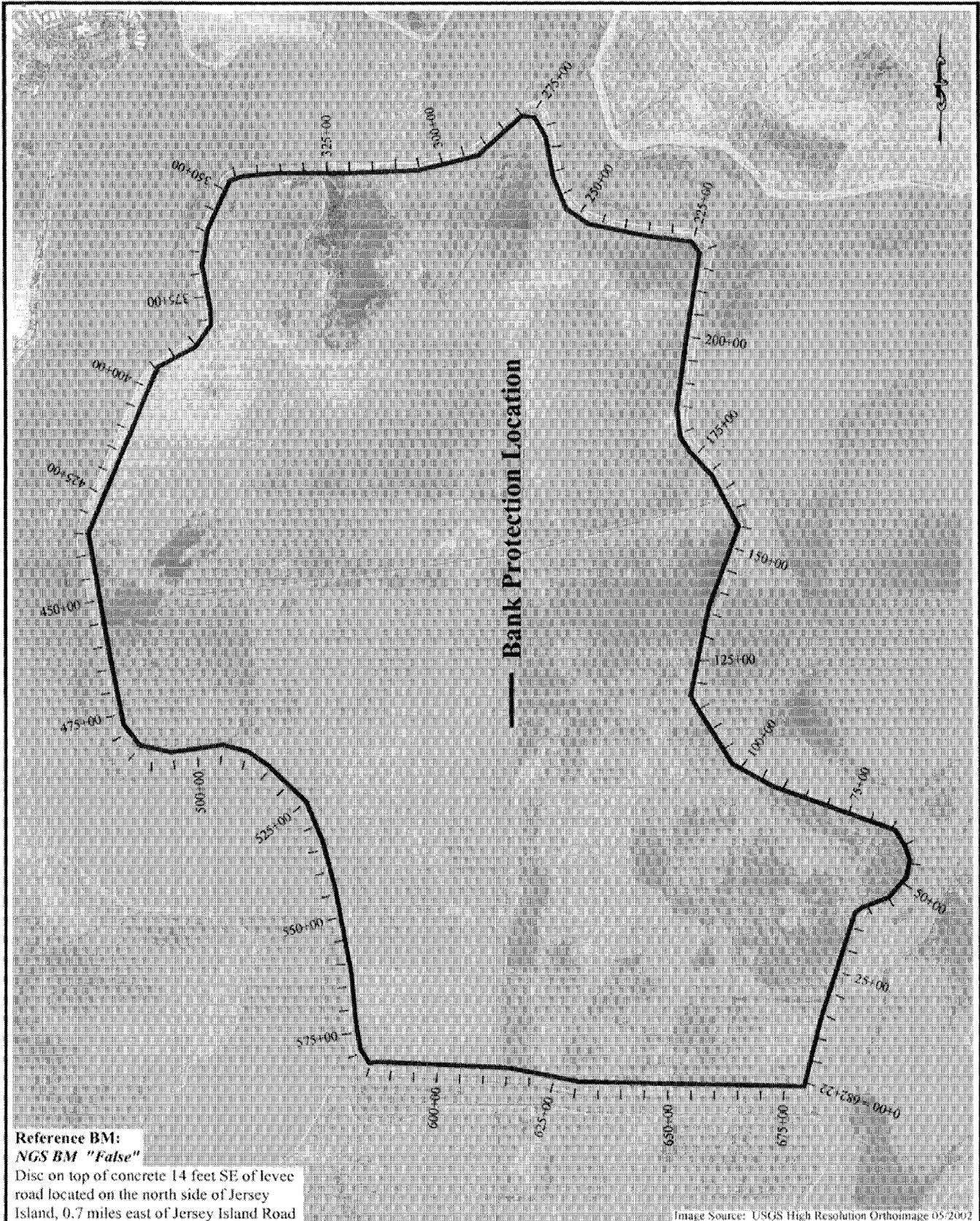
LEGEND
 Sacramento, San Joaquin and Mokelumne Rivers
 Delta Waterways

SACRAMENTO - SAN JOAQUIN DELTA
 SCALE IN MILES

Location Map

**Reclamation District No. 2026
 Webb Tract**

MBK ENGINEERS
 2450 Alhambra Boulevard, 2nd Floor
 Sacramento, California 95817
 Phone: (916) 456-4400 • Fax: (916) 456-0253



MBK ENGINEERS
 2450 Albemarle Boulevard, 2nd Floor
 Sacramento, California 95817
 Phone: (916) 456-4400 • Fax: (916) 456-0253

Reclamation District No. 206 - Webb Tract

SITE LOCATION MAP

SCALE:	1" = 500'	SHEET:	1
PROJECT NUMBER:	4280-10	DATE:	1/13/04
DRAWN BY:	JL	DATE:	1/13/04
		SHEETS 1 OF 1 SHEETS	
<small>Bar Length On Original Drawing Equals One Inch. Adjust Scale Accordingly.</small>			

RECLAMATION DISTRICT No. 2026
WEBB TRACT
1660 Olympic Blvd., Suite 350
Walnut Creek, California 94596-5109

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3/3
2

January 31, 2006

Colonel Ronald N. Light
District Engineer
Sacramento District
U.S. Army Corps of Engineers
1325 J Street
Sacramento, California 95814

Dear Colonel Light:

This letter conveys Reclamation District 2026's (RD 2026) intent to participate in feasibility studies and/or other actions in the development of the Webb Tract Shallow Water Habitat Project as the non-Federal sponsor consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361).

RD 2026 understands that the type, cost, and scope of actions will be determined and specified later if selected for development and/or implementation pursuant to the Act. RD 2026 also understands that if our project is approved for implementation, we will be responsible for sharing the cost of planning, designing, and implementation of the project with the U.S. Army Corps of Engineers; providing all necessary lands, easements, rights-of-way, relocations, excluding railroads, and suitable borrow and dredged or excavated material disposal areas; and accomplishing operation, maintenance, repair, replacement and rehabilitation of the project.

Please note that this letter of intent is not an obligation of funds. We look forward to working with the U.S. Army Corps of Engineers, the State of California, and other pertinent CALFED agencies and stakeholders on this important project.

If you have any questions, you may contact me at 925/287-3494 or Gilbert Cosio at 916/456-4400.

Sincerely,



David Forkel, Trustee

Name: Webb Tract Shallow Water Habitat Project

Purpose: The purpose of the project is to convert existing low value aquatic habitat to higher value shallow water aquatic habitat. In addition to creating greater habitat values, the project would also stabilize the levee system by supporting the waterside toe of the levee.

Location: The project is located on Webb Tract in the Sacramento-San Joaquin Delta, Contra Costa County (Plate 1). Webb Tract is approximately 5,500 acres and is protected by 12.8 miles of levees on the San Joaquin River, False River, and Fisherman's Cut.

Problems: Reclamation of the central Delta islands was completed during the early 19th century following the development of the clamshell dredge. Levee systems developed to reclaim the islands were built by clamshell dredge cutting the interior of the natural waterside bank on the island. As the dredge worked its way around the island, in its wake would be left a mound of dredge material (levee), a new channel (dredger cut) and a thin band of vegetated lands mass now cut off from the island and situated waterward of the levee. This practice, along with hydraulic forces, created today's dredger cuts which range from 20 to 50 feet deep throughout the Delta leaving which has reduced much of the historical habitat that listed species in the Delta thrive on.

Opportunities: The proposed project presents an opportunity for environmental enhancement coupled with reducing the flood risk on Reclamation District No. 2026. Approximately 10 acres of shallow water habitat would be created to benefit listed species in the Delta. This shallow water habitat would in turn buttress a steep waterside slope of the levee, thus increasing its stability.

Project Description: Reclamation District No. 2026 proposes to restore deep water dredge cuts located adjacent to its levee to pre-historic levels approaching sea level. The purpose of the project is to convert existing low value aquatic habitat to higher value shallow water aquatic habitat. In addition to creating greater habitat values, the project would also stabilize the levee system by supporting the waterside toe of the levee.

The proposed project would use available borrow material (consisting of silty sand) located within the boundaries of Webb Tract (Plate 2) to fill the existing dredger cut to a shallower depth. The material would be transported by land based vehicle to the project site along the northeast corner of Webb Tract adjacent to the San Joaquin River (Plate 3). This material would then be placed in the water to fill the existing dredger cut, which now exists 20 to 30 feet below mean sea level, up to an elevation near mean sea level (Plate 4).

To contain the material within the project boundaries, a rock dike would be placed at the eastern and western ends of the site prior to placement of fill material. It is estimated that 500,000 cubic yards of fill material would be required to complete the project. Additionally, it is estimated that the containment dikes constructed to contain the fill

material will require approximately 20,000 tons of stone fill. The resulting project will consist of approximately 10 acres of re-created shallow water habitat.

The proposed project is estimated to be \$6 million dollars. There are other locations around Webb Tract which have similar site conditions which the Reclamation District may elect to pursue a project at in-lieu of the location described here. Project site selection should be investigated during the feasibility phase.

Statement of Willingness and Ability to Cost Share: See attached letter

Point of Contact: Gilbert Cosio, Jr
MBK Engineers
2450 Alhambra Blvd 2nd Floor
Sacramento, CA 95817
Phone: 916/456-4400
Fax: 916/456-0253
Email: Cosio@mbkengineers.com

Scoping & Screening Information:

- In your opinion, what is the urgency for your proposed project? Is there an imminent threat to life, property, critical habitat, or other prominent resource?

The levees currently protect 5,500 acres of agriculture, wildlife habitat, wildlife use, potential habitat for over 10 special status species and recreation.

The property faces imminent threat to life, property, and habitat every winter during high tides, high wind events, and floodwater periods.

- Would there be a change in the magnitude, frequency, or duration of flood flows in other areas of the levee system as a result of the potential project?

There would not be a change in magnitude, frequency, or duration of flood flows as a result of this project.

- What would the proposed project do to address flooding, ecosystem, water supply and quality, and other problems and needs locally and regionally?

The proposed project would reduce the risk of flooding on Webb Tract. This protection will also reduce the risk of loss of ecosystem benefits derived from the 5,500 acres of agriculture on Webb Tract, protect the water supply and quality of the Delta region as well as the service area of the state and federal water projects exporting water from the Delta, and avoid seepage impacts to neighboring Delta islands similar to the Jones Tract flooding in 2004.

The proposed project would also create 10 acres of shallow water habitat; critical for listed fish species in the Delta. Delta and longfin smelt are expected to benefit from the increase in shallow water rearing and spawning habitat, and Sacramento splittail would benefit from the increase in inundated vegetation that it uses for spawning. The shallow, protected areas re-created by the project would provide important rearing habitat for salmonid species (winter-run, spring-run, late fall-run, and steelhead), and provide a more suitable habitat for migratory birds.

- Are there non-structural or other ways to address flooding, ecosystem, water supply and quality, and other problems in the potential project area and if so what are they?

There are no non-structural elements that could be implemented to reduce the flood risk.

- Who and/or what would benefit from the potential project?

The project would provide numerous ecosystem benefits. Habitats such as 1) shaded riverine aquatic habitat, 2) tidal perennial freshwater aquatic habitat, and 3) mid-channel island and shoal habitat. The existing deep dredger cut will be replaced by shallow water habitat that provides more suitable conditions for rearing conditions for rearing of many of the special status fish species. The margins of the area will also become more suitable for establishment of SRA, and mid-channel islands can be created in the fill area to provide additional benefits for wildlife and plant species. The approximately 10 acres of shallow water habitat that will be re-created represent and important habitat type that has declined in the Delta are due to water management, agricultural activities, and hydrologic and erosive forces.

- What is the likely Federal, State and local agency support?

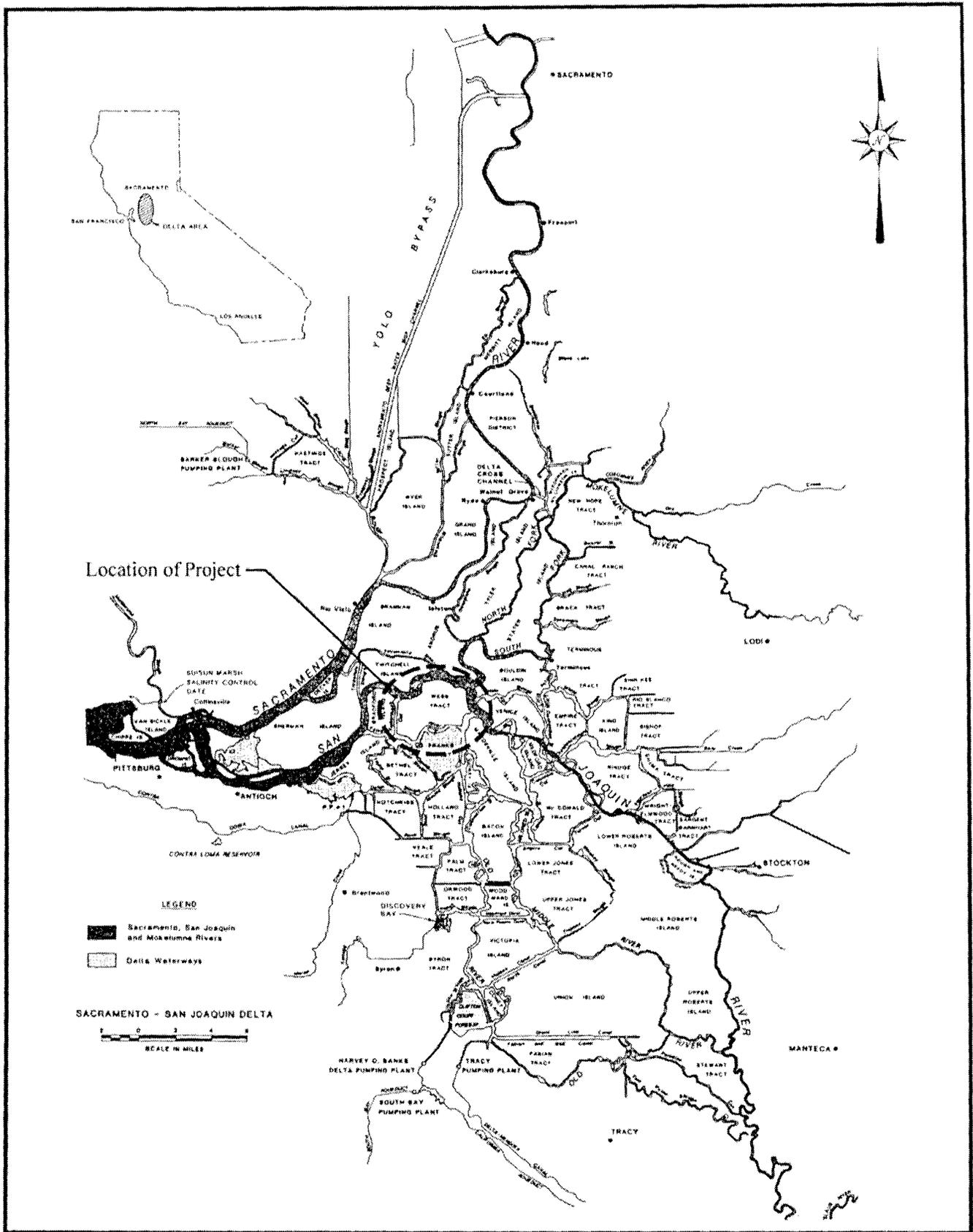
It is anticipated the State support would come from the Department of Water Resources Delta Levee Subventions Program and local support from Reclamation District No. 2026.

- Are there any known challenges or obstacles that may delay rapid development and implementation of your potential project?

There are no known challenges or obstacles that would delay rapid development and implementation of the project. Webb Tract has a single landowner which is committed to implementing projects that would reduce the flood risk on the island.

- Is your agency ready, willing, and able to serve as a non-Federal sponsor for this potential project, and able to provide required cost-sharing and other assurances?

Reclamation District No. 2026 is willing to serve as the non-Federal sponsor for any potential projects on the island that would reduce the flood risk.



Location Map

MBK ENGINEERS
 2450 Alhambra Boulevard, 2nd Floor
 Sacramento, California 95817
 Phone: (916) 456-4400 • Fax: (916) 456-0253

Reclamation District No. 2026
 Webb Tract

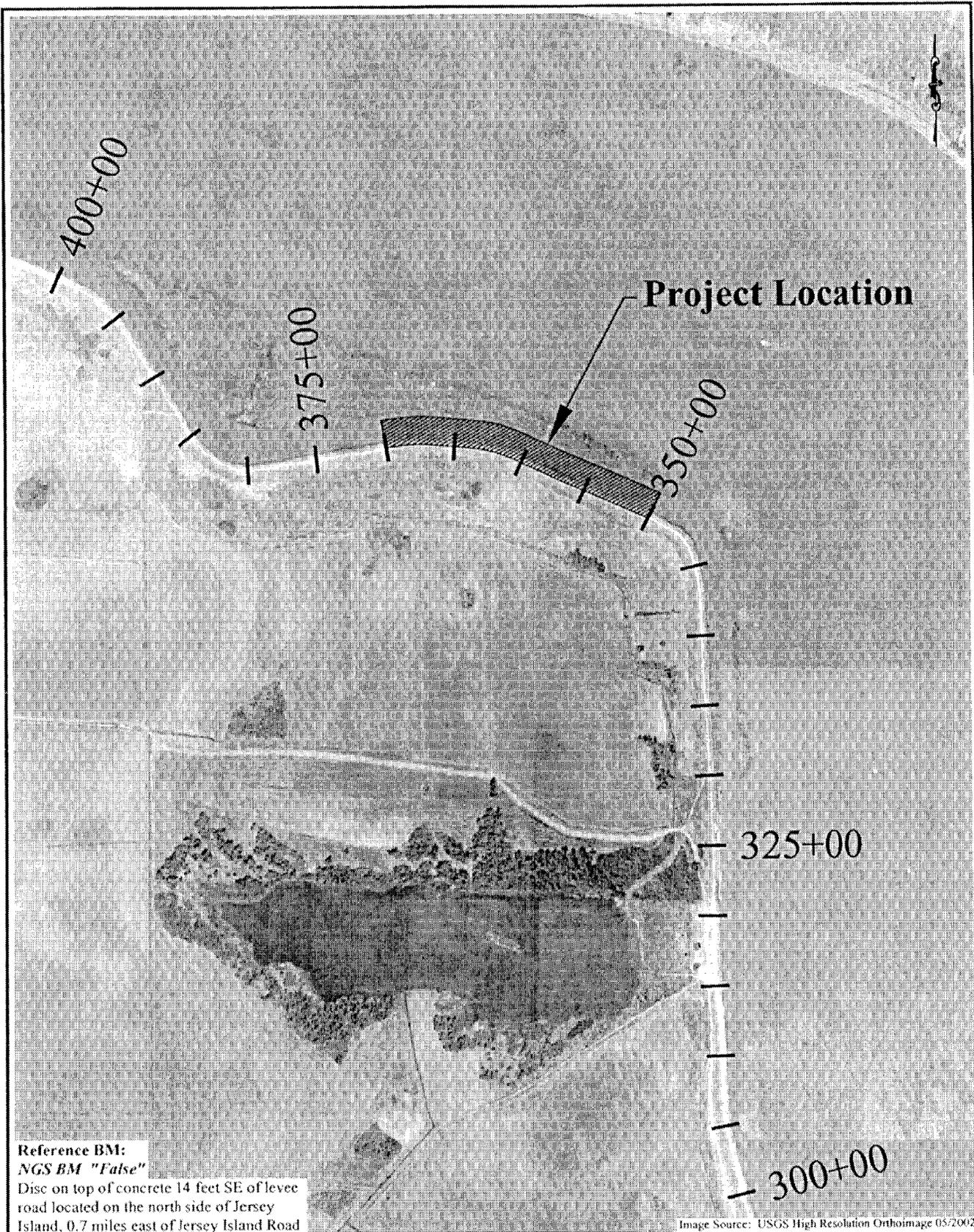


MBK
ENGINEERS
 2450 Alhambra Boulevard, 2nd Floor
 Sacramento, California 95817
 Phone: (916) 456-4400 • Fax: (916) 456-0253

Reclamation District No. 2026 - Webb Tract

SITE MAP

BY: ALE	17 - 2007	SHEET 1 OF 1 SHEET(S)
PROJECT NUMBER	478917	
DRAWN BY	TIM	
DATE	January, 2006	
<p>The Length On Original Drawing Equals One Inch. Adjust Scale Accordingly.</p>		



Reference BM:
 NGS BM "False"
 Disc on top of concrete 14 feet SE of levee
 road located on the north side of Jersey
 Island, 0.7 miles east of Jersey Island Road

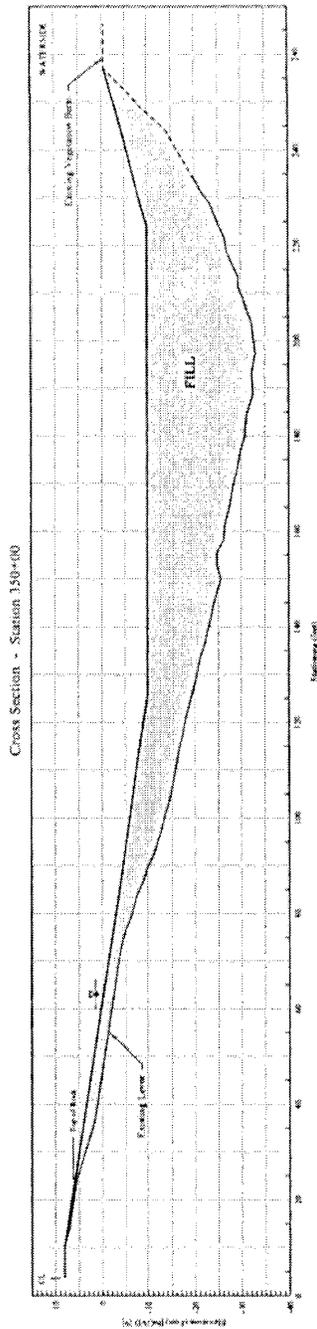
Image Source: USGS High Resolution Orthoimage 05/2002

MBK
ENGINEERS
 2450 Alhambra Boulevard, 2nd Floor
 Sacramento, California 95817
 Phone (916) 456-4400 • Fax (916) 456-0253

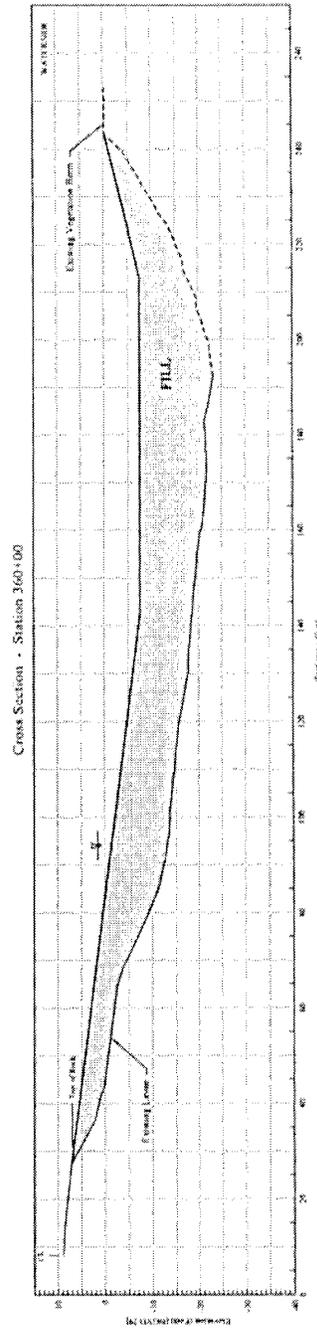
Reclamation District No. 2026 - Webb Tract

SITE LOCATION MAP

SCALE	1" = 100'	SHEET 1 OF 1 SHEET
PROJECT NUMBER	428011	
DRAWN BY	ELB	
DATE	January 2006	
One Inch = Original Drawing Equals One Inch Adjust Scale Accordingly		

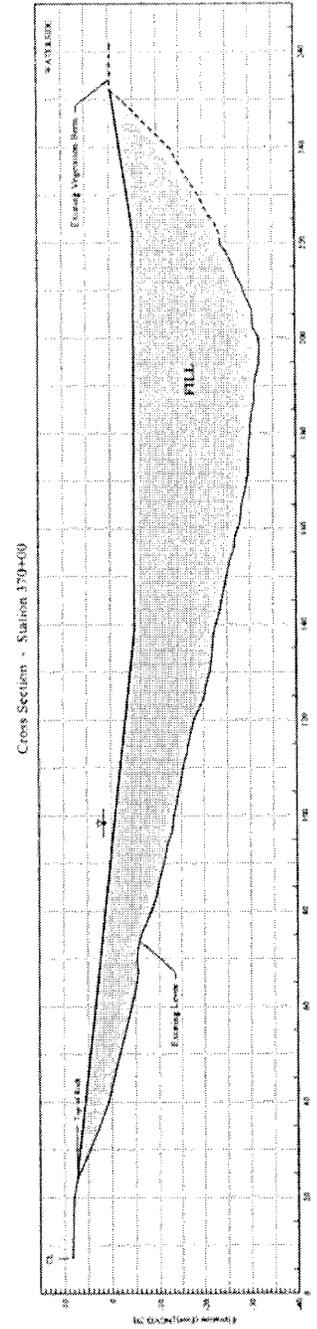


BM 144.81 (157' Elev. - 817.54) (150+00)



BM 144.81 (157' Elev. - 817.54) (160+00)

BM 144.81 (157' Elev. - 817.54) (160+00)



BM 144.81 (157' Elev. - 817.54) (170+00)



2450 Alhambra Boulevard, 2nd Floor
 Sacramento, California 95817
 Phone: (916) 456-4400 • Fax: (916) 456-0253

Reclamation District No. 2026 - Webb Tract

TYPICAL CROSS SECTIONS

SCALE	1" = 40'
JOB NUMBER	4280-10
DRAWN BY	TDR
DATE	January 2006
Bar Length On Original Drawing Equals One Inch. Adjust Scale Accordingly.	

SHEET
 1
 OF
 1
 SHEETS