

BRADFORD RECLAMATION DISTRICT NO. 2059

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January 27, 2006

BOARD OF TRUSTEES
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Eugene Lewis, Trustee
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Al Warren Hoslett
Secretary/Attorney

Brent Gilbert
Program Manager

U. S Army Corps of Engineers
Planning Division
1325 J Street
Sacramento, California 95814

Attention: Mr. Ronald S. Ganzfried

Project Information
Bradford Island
Public Law 108-361

Dear Mr. Ganzfried:

Bradford Reclamation District No. 2059 (District) intends to participate in projects with the U.S. Army Corps of Engineers consistent with the CALFED Bay-Delta Authorization Act (Public Law 108-361). The District has jurisdiction over the levees surrounding Bradford Island. Bradford Island is located in the western Sacramento and San Joaquin Delta on the main ship-channel to the ports of Sacramento and Stockton. A vicinity map showing the location of Bradford Island is attached. A second map showing the District stationing around the levee on Bradford Island is also attached.

Bradford Island has about 7.5 miles of levees that protect approximately 2,200 acres of land from flooding. Most of Bradford Island is below sea level. It would become permanently inundated and tidal if a levee is breached. The levees protect the land and existing habitat and wildlife on the Bradford Island.

The District's levees also provide protection for the water quality within the Delta. Much of the drinking water for the State of California and much of the water used by agricultural interests for irrigation flow through the Delta. A failure of the levee on Bradford Island, leading to an inundation of the island, would result in salt water moving into the Delta and mixing with the freshwater used for drinking water and agricultural irrigation, and thus disrupting the water deliveries for these purposes.

In short, maintaining the integrity of the levees is of great benefit for not only the landowners on Bradford Island and the habitat on the Island, but also for the water users of California.

The District submits the following projects for consideration under the CALFED program:

1. Waterside Erosion Protection

The waterside slopes of the levees need rock riprap to protect them from wind and boat generated waves. The north and portions of the east and west side of the island have large expanses of water. High winds can produce large waves that beat onto the levee. During the recent floods in the Delta, the high water and high winds caused damage to the District's levees, and in particular to erosion protection, and began to remove portions of the levee crest. The existing riprap is not sufficient to provide protection for design level wind events. The riprap needs to be improved by placing larger size riprap and providing more continuous coverage on the waterside slopes. The District plans to place ¼-ton or larger riprap in the areas with larger fetches of water and 200 pound or larger pieces on the remainder of the levee.

The District estimates that \$4,000,000 to \$5,000,000 is needed to place the appropriate riprap on the levee.

2. Levee Rehabilitation

The 7.5-mile levee system needs rehabilitation to improve its flood protection and reliability. The District has upgraded about 2 miles of levee and needs to upgrade the remaining 5.5 miles. The upgrade plans for the District's levees include raising the crest to 2 feet above the 100-year flood, providing at least a 16-foot wide levee crest, and placing a wide toe berm to buttress the landside slope. The levee crest should be covered with at least 6 inches of aggregate base.

The District estimates that these upgrades to the levee will cost about \$700,000 to \$1,000,000 per mile of levee.

The District has a good working relationship with the landowners, and the District expects full support from the landowners and the Board. A separate letter, indicating the District's intent to cost share in this project, is attached.

If you have any questions, you may contact RD 2059 at the address and telephone listed above or by email at ahoslett@sbcglobal.net.

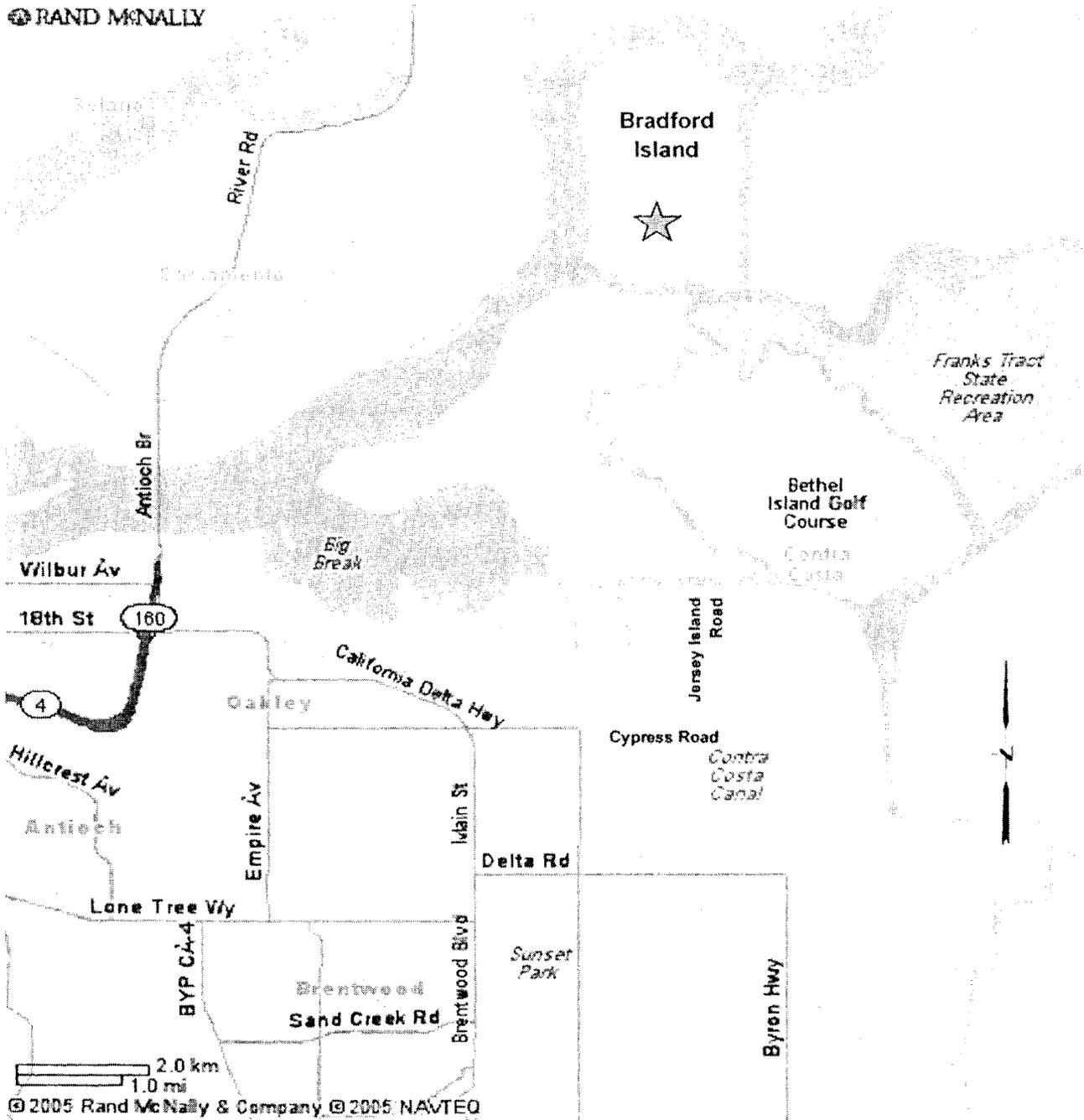
Sincerely,

Bradford Reclamation District No. 2059

By 
Al Warren-Hoslett, District Secretary

cc: Board of Trustees
Brent Gilbert, Program Manager
Kevin Tillis, Engineer
Dominick Gulli, Engineer

RAND McNALLY



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Base Map: The Thomas Guide On-Line Map 2005

Not to Scale

Bradford Island
Contra Costa County, California

Vicinity Map

Hultgren - Tillis Engineers

Project No. 522.05

Plate No. 1