



DEPARTMENT OF THE ARMY
 SACRAMENTO DISTRICT CORPS OF ENGINEERS
 650 CAPITOL MALL
 SACRAMENTO CALIFORNIA 95814 4794

REPLY TO
 ATTENTION OF

June 3, 1987

Economics Branch

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Mr. Lawrence F. Hancock
 Assistant Regional Director
 Mid-Pacific Regional Office
 U.S. Bureau of Reclamation
 2800 Cottage Way
 Sacramento, California 95825

Dear Mr. Hancock:

This is in response to your letter dated April 13, 1987 (reference MP-370), requesting information on all beneficial uses of water within and outside the Bay-Delta Estuary including: (1) navigation use and (2) flood control beneficial use. The information requested in this letter was subsequently modified by a telephone conversation with Mr. Gary Bedker of your office on May 5. Pursuant to the discussions with Mr. Bedker, we have provided you now the following information:

- a. total navigation benefits for the Sacramento Deep Water Ship Channel and the Stockton portion of the San Francisco Bay to Stockton project (stated in the same dollar terms and using the same interest rate as most recently reported).
- b. the navigation benefits originally credited to Shasta Dam (obtained from our correspondence file).
- c. a brief statement describing the anticipated federal flood control facilities which may be placed in service within the Central Valley Project Service Area by the year 2010. (The letter had asked for year 2015.)

Total navigation benefits for the Sacramento River Deep Water Ship Channel as reported to Congress for FY-88 budgetary submittal are estimated at \$10,620,000 based on October 1986 prices and 8-1/8 percent interest rate. The navigation benefits for San Francisco Bay to Stockton are estimated at \$12,800,000 based on October 1986 prices and 3-1/4 percent interest rate.

In response to a letter of June 21, 1979 (reference MP-740-218), we indicated that the navigation benefits creditable to Shasta Dam are estimated at \$1,260,000 annually. In our judgment this 1959 estimate still remains the most appropriate benefit value and should not be further adjusted.

- WORK JUNE 1987

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Possible projects for flood control and water supply which might be in place by 2010 include: additional storage of 28,000 acre-feet on the Tule River (total of 110,000 acre-feet in Success Reservoir); additional storage of 123,000 acre-feet in the Kaweah River system (43,000 acre-feet in Terminus Reservoir for a total of 186,000 acre-feet, and 80,000 acre-feet in a new reservoir on Dry Creek in Tulare County); 200,000 acre-feet on the Kings River making a total of 1,200,000 acre-feet in Pine Flat Lake; and two authorized projects, Marysville Lake on the Yuba River (about 900,000 acre-feet of storage for flood control, water supply, hydropower, and fish and wildlife purposes), and the Cottonwood Creek Project on Cottonwood Creek (about 2,000,000 acre-feet of storage for flood control, local irrigation, municipal and industrial water supply, recreation and fish and wildlife purposes).

Sincerely,



Walter L. Cloyd, III
Lieutenant Colonel, Corps of Engineers
Acting District Engineer