

I - INTRODUCTION

1-01. Authorization

The authority and directives for the preparation of this manual are contained in the following U.S. Army Corps of Engineers publications:

ETL 1110-2-251, 14 March 1980: Guide for Preparing Water Control Manuals.

ER 1110-2-240, 8 October 1982: Engineering and Design, Water Control Management.

EM 1110-2-3600, 30 November 1987: Engineering and Design, Management of Water Control Systems.

1-02. Purpose and Scope

This water control manual is prepared pursuant to requirements set fourth in the Code of Federal Regulations, Title 33, Part 208.11, subparagraph d-4, entitle, "Water Control Plan and Manual." This Manual contains (a) descriptive information pertaining to the drainage area and the project; (b) a description of the plan of operation of Sepulveda Dam and its application to various floods; (c) the organization for operations by the U.S. Army Corps of Engineers, Los Angeles District; and (d) sources of hydrologic data and forecasts.

1-03. Related Manuals and Reports

Manuals and reports relevant to Sepulveda Dam, Sepulveda Reservoir, the drainage areas above and below Sepulveda Reservoir, and significant hydraulic structures relating to these drainage areas are listed in table 1-01.

1-04. Project Owner

Sepulveda Dam and the Reservoir lands behind the dam (frequently referred to as the Sepulveda Flood Control Basin) are owned by the Federal Government and are under the jurisdiction of the U.S. Army Corps of Engineers, Los Angeles District.

Under the authority of Public Law 387, 77th Congress (PL 77-387), PL 78-534 and PL 79-526 (the latter two have effectively superseded PL 77-387), the Corps of Engineers leases reservoir lands behind Sepulveda Dam. One thousand five hundred twenty-seven (1,527) acres are leased to the City of Los Angeles, Department of Parks and Recreation, for park and recreational purposes. Ninety-five point six (95.6) acres are leased to the City of Los Angeles, Department of Public Works, for operation of Donald C. Tillman Water Reclamation Plant. The Corps also leases 28 acres to Franklin Field, Inc., for use as a children's baseball park and other purposes.

1-05. Operating Agency

The operation of Sepulveda Dam is the responsibility of the U.S. Army Corps of Engineers, Los Angeles District. The District Engineer has delegated authority for this function through the Chief, Engineering Division, Chief, Hydrology and Hydraulics Branch, to the Chief, Reservoir Regulation Section. The chain of command for reservoir operations decisions is given in table 9-01.

1-06. Regulating Agency

The U.S. Army Corps of Engineers, Los Angeles District, is totally responsible for the regulation and maintenance of Sepulveda Dam and associated structures and facilities in Sepulveda Reservoir and along portions of Los Angeles River and its tributaries.

Table 1-01. Previously Issued Publications.

Title	Date
Analysis of Design, Vol I, Sepulveda Dam	August 1939
	Revised October 1941
Analysis of Design, 57-ft. X 10-ft. Crest Gates for Sepulveda Dam	October 1939
Survey Report, Sep	January 1940
Analysis of Design, Vol. II, Bridges and Channels	March 1940
Analysis of Design, Vol. III, Balboa Blvd. Bridge	November 1940
Trash Rack Alteration, Historical, Removing Trash Racks and Construction of Temporary Timber Bulkhead	January 1946
Preliminary Report, Recreational Development, Sepulveda Flood-Control Basin	April 1947
Report, Master Recreation Plan, Sepulveda Flood-Control Reservoir	March 1953
<u>Draft</u> : Sedimentation Studies for Sepulveda Flood-Control Basin, June 1961 Survey	September 1963
Sepulveda Dam and Reservoir, Periodic Inspection and Continuing Evaluation, Report No. 1	May 1970
Operation and Maintenance Manual for Sepulveda Dam, Los Angeles River Improvement, Los Angeles County Drainage Area, California	December 1970
Report on Sedimentation, Resurvey of June 1961, Sepulveda Flood Control Reservoir	August 1971
Revised Recreation Master Plan for Sepulveda Flood Control Reservoir	November 1973
Sepulveda Dam: Dam, Outlet Works and Spillway, Periodic Inspection Report No. 2	July 1975
Operation and Maintenance Manual, Los Angeles County Drainage Area Project, California	December 1975
Interim Report on Hydrology and Hydraulic Review of Design Features of Existing Dams for Los Angeles County Drainage Area Dams	June 1978

Table 1-01. (Continued)

<u>Title</u>	<u>Date</u>
Sepulveda Dam: Dam, Outlet Works and Spillway, Periodic Inspection No. 3	May 1980
Sepulveda Basin Master Plan, Final Environmental Impact Report/Environmental Impact Statement	March 1981
Sepulveda Basin Recreation Lake: Feature Design Memorandum	March 1987
Environmental Assessment, Water Control Plan, Sepulveda Flood Control Basin	May 1987
Sepulveda Basin Recreation Lake and Wildlife Area: Specifications	August 1987
<u>Draft</u> : Los Angeles County Drainage Area R	February 1988

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<u>Draft: Los Angeles County Drainage Area Review:</u> Part I, Hydrology Report	February 1988