

I - INTRODUCTION

1-01 AUTHORIZATION

This Lopez Dam Water Control Manual was prepared in compliance with the following directives: ER 1110-2-240, EM 1110-2-3600, and ETL 1110-2-251.

1-02 PURPOSE AND SCOPE

This water control manual provides a detailed plan for regulation of Lopez Dam and Reservoir on Pacoima Wash for the purpose of flood control. Lopez Dam is located approximately 2.2 miles northeast of the city of San Fernando, California. Major topics in this manual include: authorization, history, and description of the project; watershed characteristics; hydrometeorology; data collection and communication networks; hydrologic forecasting; the water control plan; and responsibilities and coordination for water control management.

1-03 RELATED MANUALS AND REPORTS

Manuals and reports with data and information relevant to the information in this manual are listed in Table 1-1.

1-04 PROJECT OWNER

Lopez Dam and Reservoir was constructed and is owned and operated by the U.S. Army Corps of Engineers, Los Angeles District (LAD).

1-05 OPERATING AGENCIES

a. The LAD is responsible for the operation and maintenance of the dam, reservoir, and outlet works. The outlet gate is operated manually, as needed, and the dam is not normally manned. The operator for Hansen Dam serves as the Lopez Dam operator when necessary.

b. The Los Angeles County Department of Public Works (LACDPW) is responsible for the operation and maintenance of an adjacent diversion works for the Lopez Spreading Grounds.

1-06 REGULATING AGENCIES

a. The LAD is responsible for developing the flood control operation plan for Lopez Dam and Reservoir. The LAD is responsible for the flood control regulations and operation of the dam.

b. The LACDPW is responsible for the regulation of the diversion works for the downstream Lopez Spreading Grounds used for groundwater replenishment.

TABLE 1-1

RELATED MANUALS AND REPORTS

1. U.S. Army Corps of Engineers, Los Angeles District, "Hydrology-Pacoima Wash Channel and Lopez Flood-Control Basin," March, 1950.
2. U.S. Army Corps of Engineers, Los Angeles District, "Design Memorandum No. 1 on Lopez Flood Control Reservoir," January, 1953.
3. U.S. Army Corps of Engineers, Los Angeles District, "Design Memorandum No. 1 on Pacoima Wash Channel Improvement-Lopez Dam to Arleta Avenue," March, 1953.
4. U.S. Army Corps of Engineers, Los Angeles District, "Design Memorandum No. 1 on Pacoima Wash Channel Improvement-Arleta Avenue to Tujunga Wash," March, 1953.
5. U.S. Army Corps of Engineers, Los Angeles District, "Design Memorandum No. 2 on Lopez Flood Control Reservoir," February, 1954.
6. U.S. Army Corps of Engineers, Los Angeles District, "Design Memorandum No. 3 on Lopez Flood Control Reservoir," February, 1954.
7. U.S. Army Corps of Engineers, Los Angeles District, "Operation and Maintenance Manual for Lopez Flood Control Reservoir," July, 1963.
8. U.S. Army Corps of Engineers, Los Angeles District, "Lopez Dam and Reservoir-Periodic Inspection and Continuing Evaluation Report No. 1," May, 1970.
9. U.S. Army Corps of Engineers, Los Angeles District, "Lopez Dam and Spillway-Supplemental Report on Earthquake Damage," June, 1971.
10. U.S. Army Corps of Engineers, Los Angeles District, "Lopez Dam-Dam, Outlet Works and Spillway Periodic Inspection Report No. 2," July, 1975.
11. U.S. Army Corps of Engineers, Los Angeles District, "Interim Report on Hydrology and Hydraulic Review of Design Features of Existing Dams for Los Angeles County Drainage Area Dams," June, 1978.
12. U.S. Army Corps of Engineers, Los Angeles District, "Lopez Dam-Dam, Outlet Works and Spillway Periodic Inspection Report No. 3," May, 1980.