

## I - INTRODUCTION

### 1-01 AUTHORIZATION

This Hansen Dam Water Control Manual was prepared in compliance with the following directives: Engineering Regulation (ER) 1110-2-240, "Engineering & Design, Water Control Management", dated 08 October 1982, Engineering Manual (EM) 1110-2-3600, "Engineering and Design, Management of Water Control Systems," dated 30 November 1987, Engineering Technical Letter (ETL) 1110-2-251, and "Engineering and Design, Guide For Preparing Water Control Manuals", dated 14 March 1980.

### 1-02 PURPOSE AND SCOPE

This water control manual provides a detailed plan for regulation of Hansen Dam and Reservoir on Tujunga Wash for the purpose of flood control. Hansen Dam is located approximately 4 miles southeast of the town of San Fernando, California, just below the confluence of Big and Little Tujunga Creeks. 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 chronologically on plate 1-1.

### 1-04 PROJECT OWNER

Hansen 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 gates are operated manually, as needed.

b. The Los Angeles County Department of Public Works (LACDPW) is responsible for the operation and maintenance of the diversion works for the Hansen Spreading Grounds (1,500 ft. downstream of the dam). The Department of Water and Power, City of Los Angeles (DWP) is responsible for the operation and maintenance of the Tujunga Spreading Grounds, 3 miles downstream of the dam.

### 1-06 REGULATING AGENCIES

a. The LAD is responsible for developing the flood control regulation plan for Hansen 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 Hansen Spreading Grounds, which are used for groundwater replenishment.