#### WATER CONTROL MANUAL

#### SAN ANTONIO DAM

# SAN ANTONIO CREEK, LOS ANGELES COUNTY AND SAN BERNARDINO COUNTY, CALIFORNIA

JULY 1991

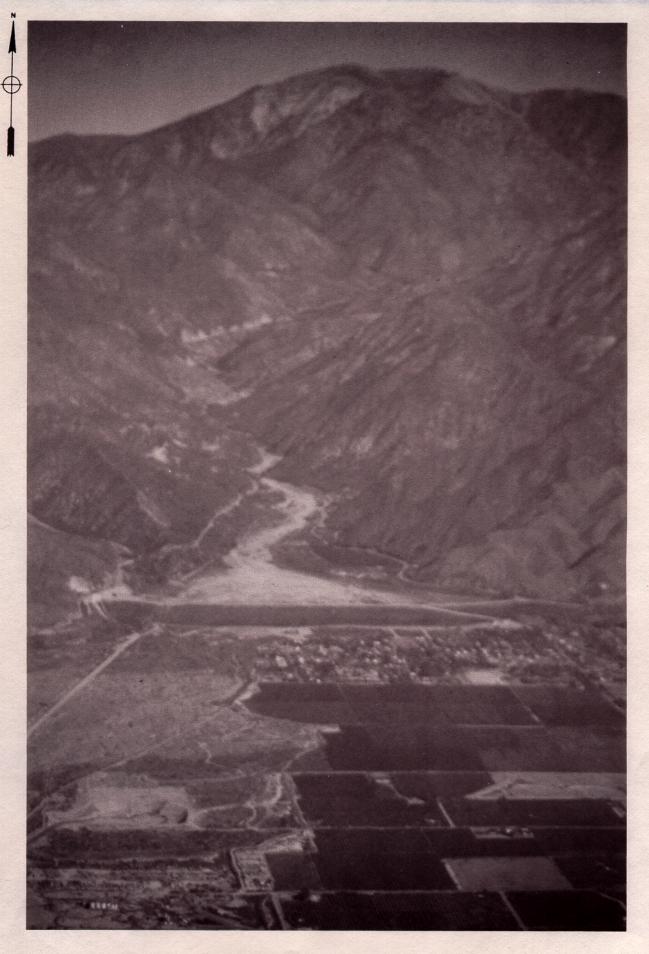
Prepared

by

U.S. Army Corps of Engineers

Los Angeles District

Reservoir Regulation Section



SAN ANTONIO DAM

#### NOTICE TO USERS OF MANUAL

Regulations specify that this Water Control Manual be published in loose leaf form, and only those sections, or parts thereof, requiring changes will be revised and printed. Therefore, this copy should be preserved in good condition so that inserts can be made to keep the manual current.

#### EMERGENCY REGULATION ASSISTANCE PROCEDURES

In the event that unusual conditions arise, the Reservoir Regulation Section, Los Angeles District Office can be contacted by telephone at 213-894-6916. See plate 9-01 for other important telephone numbers for reservoir regulation assistance.

#### ORGANIZATION OF MANUAL

Indicated by Roman Numerals, this manual is divided into chapters. Within each chapter are numbered paragraphs, which are major topics discussed in the chapter. Figures cited in the text of each chapter are presented at the end of that chapter. Plates cited are located in the back of the manual. Exhibits are included in the back as appendices.

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A	Standing Instructions to Project Operator for Water Control
В	San Antonio Dam Water Control Plan Reservoir Regulation Schedule
C	Pertinent Data For Prado Dam, Carbon Canyon Dam and Villa Park Dam
D	Environmental Evaluation
E	Chain of Correspondence for Approval of Water Control Manual

### ABBREVIATIONS USED

ALERT	Automatic Local Evaluation in Real-Time
CBWCD	Chino Basin Water Conservation District
CFR	Code of Federal Regulation
cfs	cubic feet per second
COE	U.S. Army Corps of Engineers
CON-OPS	Construction Operations Division USACOE, LAD
DWP	Department of Water and Power, City of Los Angeles
EM	Engineering Manual
ER	Engineering Regulation
ETL	Engineering Technical Letter
FAA	Federal Aeronotics Administration
ft <sup>3</sup> /s	cubic feet per second

ac-ft

acre-feet

#### ABBREVIATIONS USED (Continued)

ft. feet

FONSI Finding of No Significant Impact GDM General Design Memorandum

HEC Hydrologic Engineering Center, U.S. Army Corps of Engineers

LACDA Los Angeles County Drainage Area

LACDPW Los Angeles County Department of Public Works
LACFCD Los Angeles County Flood Control District

LAD Los Angeles District, U.S. Army Corps of Engineers

LATS Los Angeles Telemetry System

mph miles per hour

MTBY Call Letters for Mt. Baldy Precipitation Station within

Los Angeles Telemetry System

MWD Metropolitan Water District

NGVD National Geodetic Vertical Datum of 1929

NOAA National Oceanographic and Atmospheric Administration

NWS National Weather Service

OCEMA Orange County Emergency Management Agency

P.L. Public Law

PMF Probable Maximum Flood PMP Probable Maximum Precipitation

ppm parts per million

PVPA Pomona Valley Protective Association
QPF Quantitative Precipitation Forecast

RDF Reservoir Design Flood
ROC Reservoir Operations Center
RRS Reservoir Regulation Section

RTU Remote Terminal Unit

SARRT Santa Ana River Real-Time Water Control System
SBCFCD San Bernardino County Flood Control District
SCAG Southern California Association of Governments

SNTO Call Letters for San Antonio Dam within Los Angeles Telemetry

System

SPF Standard Project Flood
SPS Standard Project Storm
USGS U.S. Geological Survey
VHF Very High Frequency
WSE Water Surface Elevation

WY Water Year