

FULLERTON DAM AND RESERVOIR
ORANGE COUNTY, CALIFORNIA

PERTINENT DATA
MARCH 1989

Construction Completed.....	May 1941
Stream System.....	Fullerton Creek
Drainage Area..... sq. miles...	5.0
Reservoir:	
Elevation	
Streambed at dam.....ft., NGVD...	260
Spillway crest.....ft., NGVD...	290
Spillway design surcharge level.....ft., NGVD...	298.4
Top of dam.....ft., NGVD...	307
Area	
Spillway crest.....acres...	62
Spillway design surcharge level.....acres...	92
Top of dam.....acres...	130
Capacity, gross	
Spillway crest.....acre-feet...	764 (2.84*)
Spillway design surcharge level.....acre-feet...	1394 (5.18*)
Top of dam.....acre-feet...	2306 (8.56*)
Original allowance for sediment.....acre-feet...	230
Dam: - Type.....	Earthfill
Height above original streambed.....ft...	46
Top length.....ft...	575
Top width.....ft...	15
Freeboard (PMF).....ft...	8.6
Spillway: - Type.....	Ungated ogee
Crest length.....ft...	40
Crest elevation.....ft...	290
Design surcharge (modified Rational Method).....ft...	8.4
Design discharge (modified Rational Method).....ft...	3380
Outlets:	
Uncontrolled	
Number and size.....	1 - 3'W x 2'H
Entrance invert elevation.....ft., NGVD...	275
Controlled	
Gate type.....	Vertical lift
Size.....ft...	2 - 3'W x 5'H
Entrance invert elevation.....ft., NGVD...	261
Conduits	
Number and size.....	1 - 4'W x 6'H
Length.....ft...	346
Maximum capacity at spillway crest.....cfs...	590
Regulated capacity at spillway crest.....cfs...	500
Standard project flood:	
Duration (inflow).....days...	1.75
Total volume.....acre-feet...	1750 (6.50*)
Inflow peak.....cfs...	2100
Outflow peak.....cfs...	1250
Maximum water surface elevation	
1969 reservoir regulation schedule.....ft...	293.75
Current reservoir regulation schedule.....ft...	292.50
Probable maximum flood	
Duration (inflow).....days...	0.25
Total volume.....acre-feet...	1820 (6.76*)
Inflow peak.....cfs...	16000
Outflow peak.....cfs...	5650
Spillway outflow peak.....cfs...	5650
Maximum water surface elevation.....ft...	301.44
Historic maximums:	
Maximum inflow.....cfs...	3800
Date.....	3-14-41
Maximum outflow.....cfs...	444
Date.....	3-1-83
Maximum water surface elevation.....ft., NGVD...	285.6
Maximum storage.....acre-feet...	522.5 (68% full)
Date.....	1-31-79

*Inches of runoff

WATER CONTROL MANUAL
FULLERTON DAM AND RESERVOIR
FULLERTON CREEK, CALIFORNIA

MAY 1989

U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES



FULLERTON DAM AND WATERSHED AREA

NOTICE TO USERS OF THIS MANUAL

Regulations specify that this Water Control Manual be published in looseleaf 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 in order to keep the manual current.

EMERGENCY REGULATION ASSISTANCE PROCEDURES

In the event that unusual conditions arise, contact can be made by the telephone to the U.S. Army Corps of Engineers, Los Angeles District Office during official business hours (0730-1600, Monday through Friday), plus during non-duty periods of flood operations:

Reservoir Regulation Unit (213) 894-4756