

IX - WATER CONTROL MANAGEMENT

9-01. Responsibilities and Organization

a. Corps of Engineers. Sepulveda Dam is owned by the Federal Government and is operated and maintained by the U.S. Army Corps of Engineers, Los Angeles District, which has complete regulatory responsibility for the dam, the reservoir lands, and a portion of the downstream Los Angeles River.

Reservoir operations at Sepulveda Dam and other Corps of Engineers facilities are conducted by the Reservoir Regulation Unit of the Reservoir Regulation Section of Los Angeles District. Table 9-01 is an organizational chart depicting the chain of command for the Reservoir Regulation Unit.

Gate Regulation instructions to the dam tender are issued by the Reservoir Regulation Unit (see Sections 5-05 and 5-06). In the event that communication between the Reservoir Regulation Unit and Sepulveda Dam are interrupted, a set of Standing Operating Instructions to Dam Tender are included in this manual as Exhibit A. Dam tenders are part of the Operations Branch, under the Construction-Operations Division of the Corps of Engineers, Los Angeles District.

b. Other Federal Agencies. The U.S. Army Corps of Engineers has complete responsibility for the operation of Sepulveda Dam; and although the Corps of Engineers receives data and information from other Federal and local agencies and informs these agencies of major decisions affecting Sepulveda Dam, no other agency has any responsibility in the operation of Sepulveda Dam. The U.S. Geological Survey operates stream gauges within Los Angeles Country Drainage Area.

c. State and County Agencies. Los Angeles County Department of Public Works has maintenance responsibility for portions of the Los Angeles River channel downstream of Sepulveda Dam and maintains and operates a number of flood control reservoirs on tributary streams (see Exhibit C).

d. City of Los Angeles. A large portion of the Sepulveda Reservoir lands, owned by the Federal Government and operated by the Corps of Engineers, is leased to the City of Los Angeles for recreational and wildlife management purposes. The Corps of Engineers retains all right to inundate this land.

e. Private Organizations. There is no involvement of private organizations in the regulation of Sepulveda Dam.

9-02. Interagency Coordination

The U.S. Army Corps of Engineers coordinates with other Federal, State, County, and local organizations, as well as with the press, concerning the water control for Sepulveda Reservoir.

a. Local Press and Corps of Engineers Bulletins. The Public Affairs Office of the Corps of Engineers, Los Angeles District, is responsible for interfacing with the press regarding operations at Sepulveda Dam and flows on the Los Angeles River downstream of the dam. This is accomplished through both interviews and the occasional issuance of press releases. The Corps of Engineers does not publicly issue flood watches or warnings or other status reports or forecasts. These are the responsibility of the National Weather Service.

b. National Weather Service. The Corps of Engineers utilizes National Weather Service data and forecasts in the operation of Sepulveda Dam, including the real-time telemetry data from gauges installed in the watershed by Los Angeles Department of Public Works and by other County Flood Control Districts in cooperation with the National Weather Service. The Corps share data with the National Weather Service and other agencies both on a real-time basis and after the fact.

c. U.S. Geological Survey. The Corps of Engineers receives streamflow data in southern California from the U.S. Geological Survey, primarily on a historical basis. The Corps coordinates with the U.S. Geological Survey in many different ways and shares its data with the Geological Survey.

d. Other Federal, State, or Local Agencies. The Corps of Engineers and Los Angeles County Department of Public Works closely coordinate the operation of their reservoir projects and the maintenance and patrolling of their channels within Los Angeles County Drainage Area. The Corps keeps the City of Los Angeles informed of any anticipated and actual reservoir impoundments. Other interested agencies, such as the California Department of Transportation (CAL TRANS), are informed by the Corps of Engineers whenever a major inundation or release at Sepulveda Dam is anticipated.

9-03. Interagency Agreements

The Corps of Engineers has a maintenance agreement with Los Angeles County Department of Public Works for portions of the improved channel of the Los Angeles River. The Corps maintains the reach between Lankershim Boulevard in North Hollywood (pl. 2-04) to Stewart and Gray Road, just south of Firestone Boulevard, in South Gate. All other portions of the Los Angeles River, above and below Sepulveda Dam, are maintained by Los Angeles County Department of Public Works.

9-04. Commissions, River Authorities, Compacts, and Committees

Sepulveda Dam is not involved in any commissions, compacts, or other such formal multi-agency agreements.

9-05. Reports

The U.S. Army Corps of Engineers, Los Angeles District, prepares and files several types of reports.

Each month during the runoff season, November through April, a flood situation and runoff potential report is prepared and sent to the South Pacific Division of the Corps of Engineers.

Seven Specific forms are also prepared in conjunction with the District's reservoir operations. A copy of each of these forms is included as figures 9-01 through 9-07. These include: Flood Control Basin Operation Report (prepared by each dam tender), Monthly Reservoir Operation (operation hydrographs), Rainfall Record (from manual readings of glass tube rain gauges), Record of Calls (both radio and telephone), Record of Data from Digital Recorders, Reservoir Computations, and Reservoir Operation Report.

The Corps of Engineers also collects and files charts from recording instruments at Sepulveda Dam (and other dams), including precipitation, reservoir water surface elevation, and gate height. Daily precipitation, reservoir water surface elevation, and gate height. Daily precipitation totals and, as needed, other data (such as unusually high intensities) are manually extracted from the precipitation charts, and the charts are sent to the National Climatic Data Center of NOAA. The other charts are maintained on file at the Corps of Engineers, Los Angeles District.

Table 9-01. Chain of Command for Reservoir Operations Decisions.

Corps of Engineers
Los Angeles District

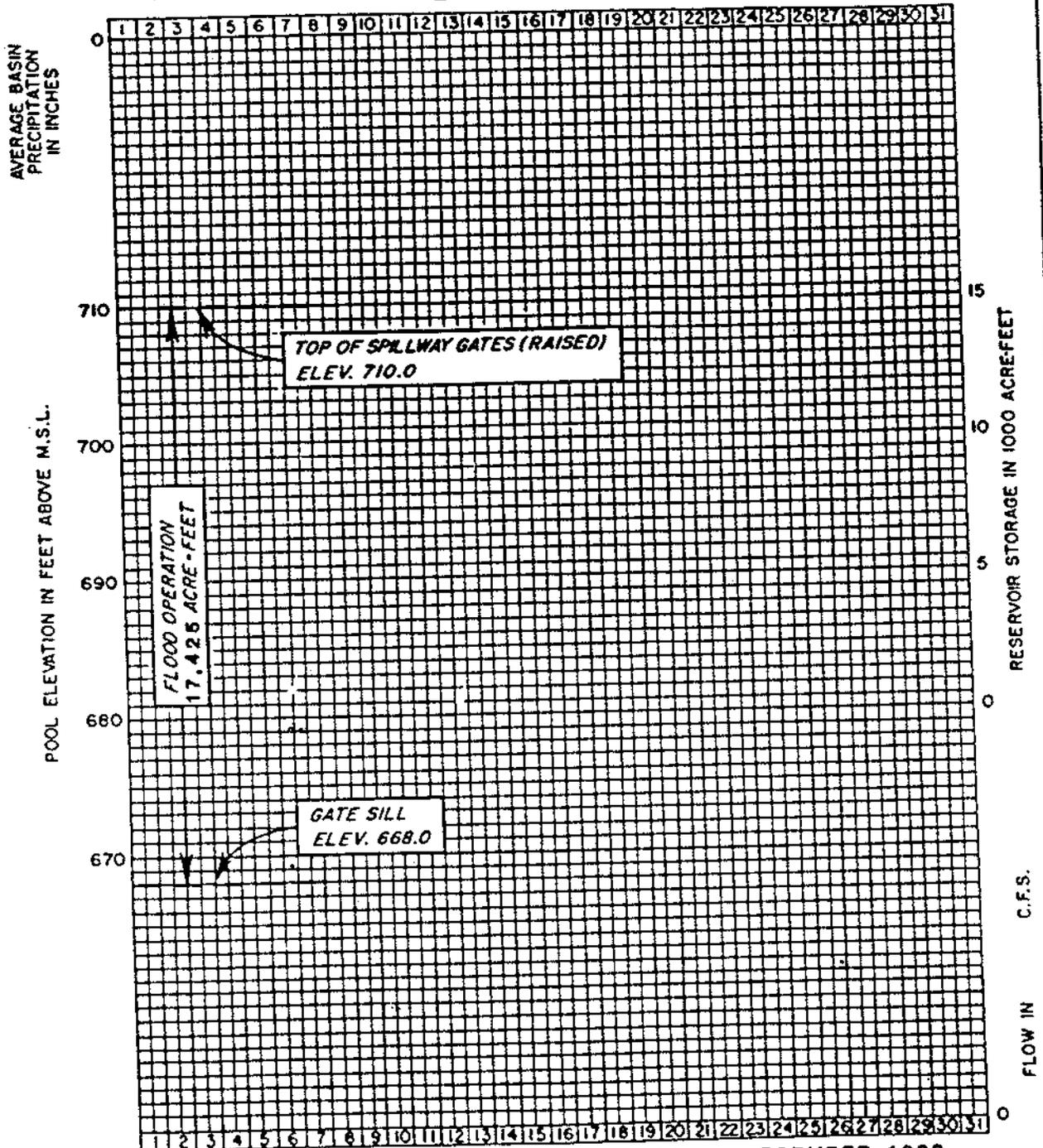
<u>Title</u>	<u>Office Phone Number:</u>
District Engineer	(213) 894-5300

Water Control Decisions

Operational and Maintenance

<u>Title</u>	<u>Phone:</u>	<u>Title</u>	<u>Phone</u>
Chief, Engineering Division	(213) 894-5470	Chief, Construction-Operations Division	(213) 894-5600
Chief, Hydrology & Hydraulics Branch	(213) 894-5520	Chief, Operations Branch	(213) 894-5620
Chief, Reservoir Regulation Section	(213) 894-6915	Chief, Operations and Maintenance Section	(818) 401-4008
Chief, Reservoir Regulation Unit	(213) 894-6916	Dam Tender Foreman	(818) 401-4007
		Sepulveda Dam Tender	(818) 784-0240

ENGW - E - 6



RESERVOIR STORAGE BASED ON SURVEY DATED DECEMBER 1980

MONTH OF	19	ELEV.	GROSS STORAGE (ACRE - FT.)
Conservation Pool			NONE
Full Pool.		710.0	17,425
Outlet Capacity at Full Pool 16,500 c. f. s.			

MONTHLY RESERVOIR OPERATION
 SEPULVEDA FLOOD-CONTROL BASIN
 LOS ANGELES RIVER BASIN
 DRAINAGE AREA 152 SQ. MILES
 SOUTH PACIFIC DIVISION
 LOS ANGELES DISTRICT

FILE NO. RO 05/

FIGURE 9-02

RAINFALL RECORD

STATION					<input type="checkbox"/> HOURLY <input type="checkbox"/> DAILY		DATE
HR	DA	TIME OF READING	GAGE READING	STORM TOTAL	SEASON TOTAL	OBSERVER	REMARKS (SNOW, TEMP., ETC.)
0000	1						
0100	2						
0200	3						
0300	4						
0400	5						
0500	6						
0600	7						
0700	8						
0800	9						
0900	10						
1000	11						
1100	12						
1200	13						
1300	14						
1400	15						
1500	16						
1600	17						
1700	18						
1800	19						
1900	20						
2000	21						
2100	22						
2200	23						
2300	24						
2400	25						
	26						
	27						
	28						
	29						
	30						
	31						
TOTAL							

SPL FORM 31
OCT 65

PREV. ED. OF THIS FORM MAY BE USED
REPLACES SPL FORM 32 WHICH MAY BE USED

RESERVOIR COMPUTATIONS

HOURLY DAILY

DAM					TIME OF READING (IF DAILY)			DATE				
COMPUTED BY				CHECKED BY			DATA SOURCE					
HR.	DA.	WATER SURFACE ELEV. FT.	STORAGE AC. FT.	GATE STEP NO.	INST. OUTFLOW		HRS.	STORAGE CHANGE		AV. OUTFLOW CFS	AV. INFLOW CFS	GATE SETTINGS FT.
					OUT-LETS CFS	DOWNSTREAM		ACRE- FEET	CFS			
						G. HT. FT.						
PREVIOUS REPORT												
	1											
	2											
	3											
	4											
	5											
	6											
	7											
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REMARKS								TOTAL				
								MEAN				

RESERVOIR OPERATION REPORT

DATE

TIME

RADIO CALL SIGN WUK	DAM	WATER SURFACE ELEVATION (FT. MSL)	DIGITAL RECORDER READINGS	RAINFALL			GATE SETTINGS <i>(Printed values show initial settings of gates prior to flood runoff)</i>
				DIGITAL RECORDER	GLASS TUBE		
					SINCE LAST REPORT (INCHES)	STORM TOTAL (INCHES)	
411	SEPULVEDA		WS GH				GATES OPEN 9.0 FT. <input type="checkbox"/>
412	HANSEN		WS GH				GATES OPEN 8.0 FT. <input type="checkbox"/>
419	SANTA FE		WS GH				#14 OPEN 0.5 FT. <input type="checkbox"/>
416	BREA		WS GH				GATES OPEN 2.0 FT. <input type="checkbox"/>
417	FULLERTON		WS GH				GATES OPEN 1.1 FT. <input type="checkbox"/>
418	CARBON CANYON		WS GH				#1 OPEN 0.5 FT. <input type="checkbox"/>
421	PRADO		WS GH				GATES 1 & 6 OPEN 1.0 FT. REM. GATES CLOSED <input type="checkbox"/>
420	SAN ANTONIO		WS GH				GATES CLOSED <input type="checkbox"/>
415	RIO HONDO POOL	W. PIT	GH				LACPCD DIVERSION GATE OPEN FT. GATE 1 OPEN FT. GATES 2, 3, & 4 OPEN FT. FT. <input type="checkbox"/>
		E. PIT					
		COMB.					
	SAN GABRIEL POOL	TELEMARK	GH				GATE #8 OPEN 0.30 FT. <input type="checkbox"/>
		W. STAFF					
		E. STAFF					
		COMB.					
	429	PAINTED ROCK	RES: S T	XXXX	XXXX		
B. PIT							
437	ALAMO	RES: S T	XXXX	XXXX			GATES CLOSED <input type="checkbox"/> GATE NO. 3 BYPASS CFS <input type="checkbox"/> HOOK: ANEMOMETER: TEMPERATURE:

0-11