

IX - WATER CONTROL MANAGEMENT

9-01 RESPONSIBILITIES AND ORGANIZATION

a. Corps of Engineers. Hansen Dam is owned, operated, and maintained by the LAD, which has complete regulatory responsibility for the dam and the reservoir.

Reservoir regulation and water control decisions at Hansen Dam and other COE facilities in the LAD are conducted by the Reservoir Regulation Section. Plate 9-1 shows an organizational chart depicting the chain of command for Reservoir Regulation.

Gate operation instructions to the dam tender are issued by the Reservoir Operations Center (see secs. 5-06 and 5-07). In the event that communications between the Reservoir Operations Center and Hansen Dam are interrupted, a set of Standing Instructions to the Project Operator for Water Control are included in Exhibit A. The Hansen Dam Reservoir Regulation Schedule is presented in Exhibit B. Dam tenders are part of the Operation Branch, Construction-Operations Division.

b. Other Federal Agencies. The COE has complete responsibility for the operation of Hansen Dam. Although the COE receives data and information from other Federal and local agencies and informs these agencies of major decisions affecting Hansen Dam, no other agency has any responsibility in the operation of Hansen Dam. The U.S. Geological Survey (U.S.G.S.) operates stream gauges in the LACDA.

c. State and County Agencies. LACDPW has maintenance responsibility for the Tujunga Channel downstream of Hansen Dam and maintains and operates a number of projects in the drainage area, including Hansen Spreading Grounds. Exhibits C and D show pertinent data related to LACDPW projects.

d. City of Los Angeles. A large portion of the Hansen Reservoir lands, owned by the Federal Government and operated by the COE, is leased to the City of Los Angeles for recreational purposes. The Corps reserves the right to inundate this land. Also, the DWP maintains and operates Tujunga Spreading Grounds.

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

9-02 INTERAGENCY COORDINATION

The LAD coordinates with other Federal, State, County, and local organizations, as well as with the press (media), concerning the water control for Hansen Reservoir.

a. Local Press and Corps of Engineers Bulletins. The Public Affairs Office of the LAD is responsible for interfacing with the press regarding operations at Hansen Dam and flows in the channel downstream of the dam. This is accomplished through interviews and the occasional issuance of press releases. The LAD does not issue flood watches, warnings or other status reports or forecasts to the general public. These are the responsibility of the NWS.

b. National Weather Service. The LAD utilizes NWS data and forecasts in the operation of Hansen Dam, including the real-time telemetry data from gauges installed in the watershed by the LACDPW in cooperation with the NWS. The LAD shares data with the NWS and other agencies both on a real-time basis and after the fact.

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

d. Los Angeles County Department of Public Works. The LAD and LACDPW closely coordinate the operation of their reservoir projects and the maintenance and patrolling of their channels in the LACDA. The LAD informs the City of Los Angeles of any anticipated and actual impoundments.

9-03 INTERAGENCY AGREEMENTS

No interagency agreements exist with the exception of the land leased to the City of Los Angeles for recreational purposes.

9-04 COMMISSIONS, RIVER AUTHORITIES, COMPACTS, AND COMMITTEES

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

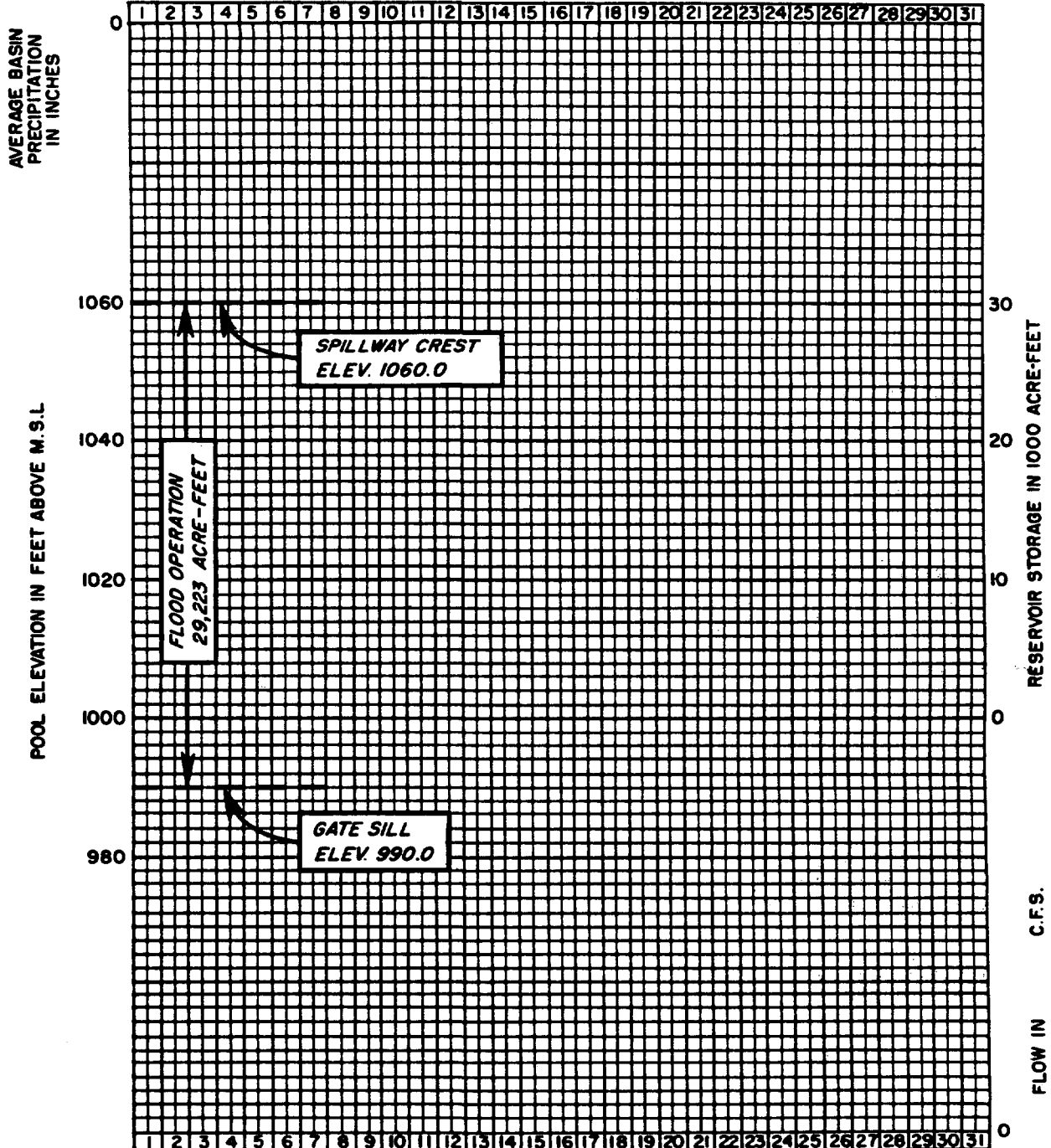
9-05 REPORTS

The LAD 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 (SPD) of the COE.

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

The LAD also collects and files charts from recording instruments at Hansen Dam (and other dams), including precipitation, reservoir surface elevation, and gauge 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 LAD District Office in the Reservoir Regulation Section.

ENGW - E - 6



RESERVOIR STORAGE BASED ON SURVEY DATED OCT 1978

MONTH OF	19	
	ELEV.	GROSS STORAGE (ACRE-FT.)
Conservation Pool		NONE
Flood Control Pool	1,060.0	26,090
Outlet Capacity at Full Pool 22,000 c. f. s.		

MONTHLY RESERVOIR OPERATION
HANSEN FLOOD - CONTROL BASIN
 LOS ANGELES RIVER BASIN
 DRAINAGE AREA 151.9 SQ. MILES
 SOUTH PACIFIC DIVISION
 LOS ANGELES DISTRICT

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							

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 G. HT. FT. FLOW CFS		ACRE- FEET	CFS			
PREVIOUS REPORT												
	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
REMARKS							TOTAL					
							MEAN					

RESERVOIR OPERATION REPORT

DATE: _____

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)		SEASON 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. <input type="checkbox"/>	
420	SAN ANTONIO		WS GH				REM. GATES CLOSED <input type="checkbox"/>	
415	RIO HONDO POOL	W. PIT					LACFCD DIVERSION GATE OPEN FT. <input type="checkbox"/>	
		E. PIT					GATE 1 OPEN FT. <input type="checkbox"/>	
		COMB.					GATES 2, 3, & 4 OPEN FT. <input type="checkbox"/>	
	SAN GABRIEL POOL	TELEMARK						
		W. STAFF			XXXX	XXXX	XXXX	GATE #8 OPEN 0.30 FT. <input type="checkbox"/>
		E. STAFF						
429	PAINTED ROCK	COMB.						
		RES: S					GATES OPEN 0.5 FT. <input type="checkbox"/>	
		T	XXXX				HOOK: ANEMOMETER: TEMPERATURE:	
437	ALAMO	B. PIT					GATES CLOSED <input type="checkbox"/>	
		RES: S	XXXX				GATE NO. 3 BYPASS CFS <input type="checkbox"/>	
		T	XXXX				HOOK: ANEMOMETER: TEMPERATURE:	

REPLACES EDITION JUL 75, WHICH IS OBSOLETE.

