

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Elmwood Debris Basin (Revised)
NAME OF RESERVOIR

70-92a

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Elmwood Canyon			3. STATE Calif								
	4. SEC. Land TWP. Grant RANGE			5. NEAREST P.O. Burbank			6. COUNTY Los Angeles								
	7. LAT. 34° 11' 53" LONG. 118° 17' 30 "			8. TOP OF DAM ELEVATION 952.0			9. SPILLWAY CREST ELEV. 938.0								
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN				
	a. FLOOD CONTROL										16. DATE NORMAL OPER. BEGAN 1964				
	b. MULTIPLE USE														
	c. POWER														
	d. WATER SUPPLY														
	e. IRRIGATION														
	f. CONSERVATION														
	g. INACTIVE														
17. LENGTH OF RESERVOIR 0.06 MILES		AV. WIDTH OF RESERVOIR 0.07 MILES													
WATERSHED	18. TOTAL DRAINAGE AREA .31 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 18.6 INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA .31 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES										
	20. LENGTH .70 MILES		AV. WIDTH .44 MILES		24. MEAN ANNUAL RUNOFF AC-FT.										
	21. MAX. ELEV. 2,520		MIN. ELEV. 912.0		25. ANNUAL TEMP MEAN 62.2° RANGE 48.8°-75.6°										
	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS		29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOUR INT.		31. SURFACE AREA, ACRES		32. CAPACITY, ACRE-FEET		33. C/I RATIO, AC.-FT. PER AC.-FT.
Sep 68		4		4											
Sep 74		6		10											
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.							
				a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE			
Sep 68		19.25		No record of inflow.											
Sep 74		4/													
26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, ACRE-FEET				38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET									
		a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
Sep 68		9.82		2.45		7.92		9.82		2.45		7.92			
Sep 74		3.84		.64		2.06		13.66		1.37		4.42			
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PER SQ. MI.-YR.				41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM					
				a. PERIOD		b. TOTAL TO DATE		a. AV. ANN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION													
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													
26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR													
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														
45. RANGE IN RESERVOIR OPERATION														
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.							
46. ELEVATION-AREA-CAPACITY DATA														
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY						
47. REMARKS AND REFERENCES														
<p>1/ Item 25 - Temperature taken at Pasadena, California.</p> <p>2/ Item 32 - Capacity of debris basin varies. Debris excavated at various times.</p> <p>3/ Item 37 - Sedimentation values computed by LACFCD are based on complete water year.</p> <p>4/ Item 34 - Incomplete rainfall record.</p>														
48. AGENCY MAKING SURVEY				LACFCD				50. DATE <u>14 Feb 75</u>						
49. AGENCY SUPPLYING DATA				C of E										