

**RESERVOIR SEDIMENT  
DATA SUMMARY**

Sepulveda Flood Control Basin  
NAME OF RESERVOIR

70 - 86

DATA SHEET NO.

<b>DAM</b>	1. OWNER <b>Corps of Engineers</b>			2. STREAM <b>Los Angeles River</b>			3. STATE <b>California</b>								
	4. SEC. <b>TWP. RANGE</b>			5. NEAREST TOWN <b>Van Nuys</b>			6. COUNTY <b>Los Angeles</b>								
	7. STREAM BED ELEVATION <b>668.0</b>			8. TOP OF DAM ELEVATION <b>725.0</b>			9. SPILLWAY CREST ELEV. <b>710.0</b>								
<b>RESERVOIR</b>	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. MULTIPLE USE														
	b. FLOOD CONTROL		<b>710.0</b>		<b>1,301</b>		<b>16,720</b>		<b>16,720</b>		<b>1941</b>				
	c. POWER														
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION														
	f. CONSERVATION														
	g. SEDIMENT										<b>Jul 1941</b>				
	h. INACTIVE														
	17. LENGTH OF RESERVOIR <b>3.39</b> MILES				AV. WIDTH OF RESERVOIR <b>0.60</b> MILES										
<b>WATERSHED</b>	18. TOTAL DRAINAGE AREA <b>152</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>16.6</b> INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA <b>142</b> SQ. MI.				23. MEAN ANNUAL RUNOFF <b>2.06</b> INCHES										
	20. LENGTH <b>19</b> MILES		AV. WIDTH <b>8</b> MILES		24. MEAN ANNUAL RUNOFF <b>16,724(19)</b> AC.-FT.										
	21. MAX. ELEV. <b>3,741</b>		MIN. ELEV. <b>668</b>		25. CLIMATIC CLASSIFICATION <b>Semiarid</b>										
	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/W RATIO AC.-FT. PER SQ. MI.
Nov 1941		Original		Survey		Contour		5 feet		1,301		16,720		110	
Nov 1944		3.0		3.0		Ranges				1,295		17,437		115	
Jun 1961		16.6		19.6		"		76		1,342		17,296		114	
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					
Nov 1941		Original		Survey											
Nov 1944		12.97		24,332		33,100		72,995		24,332		72,995			
Jun 1961				15,197		42,580		252,269		16,595		325,264			
<b>SURVEY DATA</b>	26. DATE OF SURVEY		37. 2/PERIOD SEDIMENT DEPOSITS 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		
	Nov 1941		Original		Survey										
	Jun 1961		141		8.49		0.06		141		8.49		0.06		
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. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE			

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION													
	42-40	40-30	30-20	20-10	10-Crest									
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													
Nov 1941 Nov 1944 Jun 1961	Original Survey													
	1			15	84									

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	-125
	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.
1942-43	699.29	668.30	33,100	1951-52	690.70	668.23	42,580
1943-44	697.92	668.30	31,330	1952-53	686.00	668.20	8,150
1944-45	670.67	668.36	8,600	1953-54	676.20	668.27	13,210
1945-46	673.20	668.30	14,550	1954-55	673.49	668.33	16,080
1946-47	671.44	668.29	16,140	1955-56	N.D.	668.30	17,410
1947-48	670.23	668.29	7,530	1956-57	675.40	668.10	11,500
1948-49	669.34	668.28	5,310	1957-58	684.17	668.24	41,114
1949-50	670.10	668.26	5,130	1958-59	682.79	668.30	16,770
1950-51	670.05	668.27	6,400	1959-60	676.50	668.24	16,060

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
668	0	0	700	755	6,829			
670	0.5	0.5	705	1043	11,311			
675	4.5	9.4	710	1342	17,296			
680	32.4	82.8						
685	143.0	495.0						
690	324.0	1,667.0						
695	513.0	3,702.0						

47. REMARKS AND REFERENCES

1/ Item 9. Spillway is equipped with automatic gates and when fully raised is at elevation 710.

2/ Item 38. Values starting November 1944.

N.D. = Not Determined.

48. AGENCY MAKING SURVEY Corps of Engineers, Los Angeles

49. AGENCY SUPPLYING DATA Corps of Engineers, Los Angeles

50. DATE 11 Feb 1964