

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

OAK DEBRIS BASIN

NAME OF RESERVOIR

70-125

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Oak			3. STATE California								
	4. SEC. 21 TWP. 2N RANGE 13W			5. NEAREST P.O. La Crescenta			6. COUNTY Los Angeles								
	7. LAT 34° 14' 43" LONG. 118° 14' 43"			8. TOP OF DAM ELEVATION 2156.2			9. SPILLWAY CREST ELEV. 2151.8								
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										1975				
	b. MULTIPLE USE														
	c. POWER														
	d. WATER SUPPLY														
	e. IRRIGATION										1975-76				
	f. CONSERVATION														
g. INACTIVE															
17. LENGTH OF RESERVOIR 0.05 MILES					AV. WIDTH OF RESERVOIR 0.01 MILES										
18. TOTAL DRAINAGE AREA .05 SQ. MI.					22. MEAN ANNUAL PRECIPITATION _____ INCHES										
19. NET SEDIMENT CONTRIBUTING AREA .05 SQ. MI.					23. MEAN ANNUAL RUNOFF _____ INCHES										
20. LENGTH 0.4 MILES			AV. WIDTH 0.13 MILES		24. MEAN ANNUAL RUNOFF _____ AC.-FT.										
21. MAX. ELEV. 2950			MIN. ELEV. 2140.1		25. ANNUAL TEMP. MEAN 62.2° RANGE 48.8°-75.6°										
WATERSHED	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 77		2	2											
	Sep 78		1	3											
	25. 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 77		22.49		No record of inflow.										
	Sep 78		41.17												
	26. DATE OF SURVEY		37. 3/ 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 77		0.31	0.16	3.2		0.31		0.16		3.2				
Sep 78		.74	.74	14.8		1.05		.35		7.0					
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	-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.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES
1/ Item 25 - Temperature taken at Pasadena, California.
2/ Item 32 - Capacity of debris basin varies. Debris excavated at various times.
3/ Item 37 - Sediment values as computed by LACFCD are sediment removed from basin and are based on complete water year.