

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

ENGLEWILD DEBRIS BASIN

NAME OF RESERVOIR

70-93a

DATA SHEET NO.

DAM	1. OWNER <u>LACFCD</u>			2. STREAM <u>ENGLEWILD CANYON</u>			3. STATE <u>CALIFORNIA</u>								
	4. SEC. <u>20</u> TWP. <u>1N</u> RANGE <u>9W</u>			5. NEAREST P.O. <u>Glendora</u>			6. COUNTY <u>Los Angeles</u>								
	7. LAT. <u>34°09'31"</u> LONG. <u>117°50'55"</u>			8. TOP OF DAM ELEVATION <u>1300.0</u>			9. SPILLWAY CREST ELEV. <u>1292.0</u>								
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														
	b. MULTIPLE USE														
	c. POWER														
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION														
	f. CONSERVATION														
	g. INACTIVE										Sep 61				
WATERSHED	17. LENGTH OF RESERVOIR <u>0.054</u> MILES				AV. WIDTH OF RESERVOIR <u>.026</u> MILES										
	18. TOTAL DRAINAGE AREA <u>0.4</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>25.3</u> INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.4</u> SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES										
	20. LENGTH <u>0.947</u> MILES				AV. WIDTH <u>0.422</u> MILES										
	21. MAX. ELEV. <u>2583.0</u>				MIN. ELEV. <u>1276.6</u>										
SURVEY DATA	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 69		8	8											
	Sep 70		1	9											
	Sep 72		2	11											
	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 69		25.22		No record of inflow.										
	Sep 70		16.13												
	Sep 72		13.50												
	26. DATE OF SURVEY		37. <u>3/</u> 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 69		33.2	4.15	10.38	33.2	4.15	10.38								
Sep 70		5.39	5.39	13.48	38.6	4.29	10.73								
Sep 72		1.74	.87	2.18	40.30	3.66	9.15								
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															
<u>1/</u> Item 25- Temperature taken at Pasadena, Calif. <u>2/</u> Item 32 -Capacity of debris varies. Debris excavated at various times. <u>3/</u> Item 37- Sedimentation values computed by LACFCD are based on complete water year.															
48. AGENCY MAKING SURVEY LACFCD															
49. AGENCY SUPPLYING DATA C of E															
50. DATE 12 Feb. 1973															

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	4. SEC. 20 TWP. 1N RANGE 9W			5. NEAREST P.O. Glendora			6. COUNTY Los Angeles								
	7. LAT. 34°09'31" LONG 117°50'55"			8. TOP OF DAM ELEVATION 1300.0			9. SPILLWAY CREST ELEV. 1292.0								
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				
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	20. LENGTH .947 MILES		AV. WIDTH 0.422 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.										
	21. MAX. ELEV. 2583.0		MIN. ELEV. 1276.6		25. ANNUAL TEMP MEAN 62.2° RANGE 48.8°-75.6°										
SURVEY DATA	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.		
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	Sep 72		2	11											
	Sep 79		7	18											
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Sep 79		0.19	.03	.08	40.49		2.50		6.25						
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46. ELEVATION-AREA-CAPACITY DATA																	
ELEVATION		AREA		CAPACITY		ELEVATION		AREA		CAPACITY		ELEVATION		AREA		CAPACITY	
47. REMARKS AND REFERENCES																	
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48. AGENCY MAKING SURVEY LACFCD																	
49. AGENCY SUPPLYING DATA C of E																	
50. DATE 14 February 1980																	