

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

LIMEKILN DEBRIS BASIN
NAME OF RESERVOIR

70-113

DATA SHEET NO.

DAM	1. OWNER LACFCD		2. STREAM Limekiln Cyn Wash		3. STATE Calif		
	4. SEC. 16 TWP. 2N RANGE 16W		5. NEAREST P O. Granada Hills		6. COUNTY Los Angeles		
	7. LAT 34° 15' 40" LONG 118° 33' 23"		B. TOP OF DAM ELEVATION 1019.0		9. SPILLWAY CREST ELEV. 1003.0		
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					1963	
	b. MULTIPLE USE						
	c. POWER						
	d. WATER SUPPLY						16. DATE NORMAL OPER. BEGAN
	e. IRRIGATION						
	f. CONSERVATION						
g. INACTIVE							
17. LENGTH OF RESERVOIR 0.47 MILES	AV. WIDTH OF RESERVOIR 0.04 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA 3.69 SQ. MI.		22. MEAN ANNUAL PRECIPITATION		INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA 3.69 SQ. MI.		23. MEAN ANNUAL RUNOFF		INCHES		
	20. LENGTH 4.47 MILES	AV. WIDTH 1.21 MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.		
	21. MAX. ELEV. 3,332	MIN. ELEV. 990.2	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, <u>2</u> /ACRE-FEET
33. C/I RATIO, AC.-FT. PER AC.-FT.							
Sep 68	5	5					
Sep 70	2	7					
Sep 74	4	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 68	18.95	No record of inflow.					
Sep 70	20.70						
Sep 74	14.91						
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	1.30	0.26	0.07	1.30	0.26	0.07	
Sep 70	83.06	41.53	11.25	84.36	12.05	3.27	
Sep 74	13.02	3.26	0.88	97.38	8.85	2.40	
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, Calif.
 2/ Item 32 - Capacity of debris basin varies. Debris excavated at various times.
 3/ 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 14 Feb 75

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	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										1963-64	
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.47 MILES				AV. WIDTH OF RESERVOIR 0.04 MILES							
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Sep 77		9.17	3.06	.83	106.55	7.61	2.06					
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				
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PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION															

5. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.

6. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

7. REMARKS AND REFERENCES
1 / Item 25 - Temperature taken at Pasadena, California.
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