

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

CLOUD CREEK DEBRIS BASIN
NAME OF RESERVOIR

70-120

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Cloud			3. STATE California					
	4. SEC. 21 TWP. 2N RANGE 13W			5. NEAREST P O La Crescenta			6. COUNTY Los Angeles					
	7. LAT 34° 14' 47" LONG 118° 14' 34"			8. TOP OF DAM ELEVATION 2362.0			9. SPILLWAY CREST ELEV. 2360.0					
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										1972	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										1972-73	
	f. CONSERVATION											
g. INACTIVE												
17. LENGTH OF RESERVOIR 0.08 MILES			AV. WIDTH OF RESERVOIR 0.01 MILES									
WATERSHED	18. TOTAL DRAINAGE AREA 0.02 SQ. MI.			22. MEAN ANNUAL PRECIPITATION INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 0.02 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES								
	20. LENGTH .19 MILES		AV. WIDTH .11 MILES		24. MEAN ANNUAL RUNOFF AC-FT.							
	21. MAX. ELEV. 2780		MIN. ELEV. 2347.3		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, 2/ ACRE-Feet		33. C/I RATIO, AC.-FT. PER AC.-FT.		
	Sep 77		5	5								
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-Feet			36. WATER INFL. TO DATE, AC.-FT.				
			28.11		No record of inflow.							
	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		2.23	0.45	22.5	2.23		0.45	22.5			
	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														
1/ Item 25 - Temperature taken at Pasadena, CA.														
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.														
48. AGENCY MAKING SURVEY	LACFCD													
49. AGENCY SUPPLYING DATA	C of E													
50. DATE	17 Feb 78													