

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

CHILDS DEBRIS BASIN (Revised)

NAME OF RESERVOIR

70-91a

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Childs Canyon			3. STATE Calif				
	4. SEC. Land TWP. Grant RANGE			5. NEAREST P. O. Glendale			6. COUNTY Los Angeles				
	7. LAT. 34° 11' 40" LONG 118° 17' 20"			8. TOP OF DAM ELEVATION 1071			9. SPILLWAY CREST ELEV. 1058				
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 63						
17. LENGTH OF RESERVOIR			0.81	MILES	AV. WIDTH OF RESERVOIR			.022	MILES		
WATERSHED	18. TOTAL DRAINAGE AREA			.31	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			19.1	INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			.31	SQ. MI.	23. MEAN ANNUAL RUNOFF				INCHES	
	20. LENGTH		1.14	MILES	AV. WIDTH		.28	MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.
	21. MAX. ELEV.		2975	MIN. ELEV.		1030	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. CH. RATIO, AC.-FT PER AC.-FT.			
	Sep 66	3	3				2				
	Sep 68	2	5								
	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 66	15.93									
	Sep 68	18.26									
	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 66	8.20	2.73	8.81	8.20	2.73	8.81				
Sep 68	.78	.39	1.26	8.98	1.80	5.79					
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														
<p>1/ Item 25 - Temperature taken at Pasadena, Calif.</p> <p>2/ Item 32 - Debris basin capacity varies, excavated at various times.</p> <p>3/ Item 37 - Sediment values as computed by LACFCD are sediment removals from basin and are based on complete water years.</p>														
48. AGENCY MAKING SURVEY					LACFCD									
49. AGENCY SUPPLYING DATA					C of E					50. DATE 9 Feb 72				