

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

SCHOOLHOUSE DEBRIS BASIN

NAME OF RESERVOIR

70-101a

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Mansfield Av Storm		3. STATE Calif		
	4. SEC. 21 TWP. 3N RANGE 15W		5. NEAREST P.O. Olive View			6. COUNTY Los Angeles		
	7. LAT 34° 19' 45" LONG 118° 27' 50"		8. TOP OF DAM ELEVATION 1491.0		9. SPILLWAY CREST ELEV. 1478.5			
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						15. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION							
	f. CONSERVATION						Jun 63	
	g. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR .159 MILES			AV. WIDTH OF RESERVOIR .034 MILES				
	18. TOTAL DRAINAGE AREA .28 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 23.0 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA .28 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES				
	20. LENGTH 1.231 MILES		AV. WIDTH .227 MILES		24. MEAN ANNUAL RUNOFF AC-F.T.			
	21. MAX. ELEV. 3,150		MIN. ELEV. 1460.0		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 67	4.33	4.33				2	
	Sep 71	4.0	8.33					
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFL. TO DATE, AC.-FT.	
	Sep 67	23.51		No record of inflow				
	Sep 71	22.81						
	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 67	13.02	3.01	10.75	13.02	3.01	10.75	
	Sep 71	3.60	.90	3.21	16.62	2.00	7.14	
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															
<p>1/ Item 25 - Temperature taken at Pasadena, California.</p> <p>2/ Item 32 - Debris basin capacity varies. Debris excavated at various times.</p> <p>3/ Item 37 - Sediment values, computed by LACFCD, are based on complete water year.</p>															
48. AGENCY MAKING SURVEY				LACFCD											
49. AGENCY SUPPLYING DATA				C of E											
50. DATE						8 Feb 72									