

RESERVOIR SEDIMENTATION
DATA SUMMARY

SPARR DEBRIS BASIN

70-57b

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. RIVER Sparr Channel			3. STATE California								
	4. SEC. TWP. RANGE			5. NEAREST TOWN Montrose			6. COUNTY Los Angeles								
	7. STREAM BED ELEV. 1,128.0			8. TOP OF DAM ELEV. 1,140.0			9. SPILLWAY CREST ELEV. 1,132.0								
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES		13. STORAGE ACRE-Feet		14. ACCUMULATED ACRE-Feet		15. DATE STORAGE BEGAN				
	a. FLOOD CONTROL														
	b. POWER														
	c. WATER SUPPLY														
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION														
	f. INACTIVE										Feb 1947				
WATERSHED	17. LENGTH OF RESERVOIR .09 MILES			AV. WIDTH OF RESERVOIR .03 MILES											
	18. TOTAL DRAINAGE AREA .84 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 15.7 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA .84 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH 2.04 MILES			AV. WIDTH .41 MILES			24. MEAN ANNUAL RUNOFF AC.-FT.								
	21. MAX. ELEV. 2,150			MIN. ELEV. 1,132			25. CLIMATIC CLASSIFICATION Semiarid								
	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 1/ ACRE-Feet		33. C/W RATIO AC.-FT. PER SQ. MI.
Sep 1947		.6		.6											
Sep 1948		1		1.6											
Sep 1949		1		2.6											
Sep 1950		1		3.6											
Mar 1952		1.5		5.1											
Feb 1956		3.9		9.0											
SURVEY DATA	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 1947		24.3		No record of inflow										
	Sep 1948		10.9												
	Sep 1949		12.5												
	Sep 1950		15.3												
	Mar 1952		32.8												
Feb 1956		20.7													
26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE-Feet			38. TOTAL SED. DEPOSITS TO DATE ACRE-Feet										
		a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YR.		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YR.			
Sep 1947		No debris													
Sep 1948		"													
Sep 1949		"													
Sep 1950		"													
Mar 1952		4.50		3.00		3.56		4.50		.88		1.05			
Feb 1956		3.72		.95		1.13		8.22		.91		1.08			
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. ANNUAL		b. TO DATE		a. PERIOD		b. TO DATE	

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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 32 - Capacity of debris basin varies. Debris excavated at various times.
 2/ Item 37 - Sedimentation values computed by LACFCD are based on complete water year.

48. AGENCY SUPPLYING DATA LACFCD & C of E

49. DATE 7/9/62