

RESERVOIR SEDIMENTATION
DATA SUMMARY

VANALDEN DEBRIS BASIN

70-60

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. RIVER Vanalden			3. STATE Calif.									
	4. SEC. TWP. RANGE			5. NEAREST TOWN Encino			6. COUNTY Los Angeles									
	7. STREAM BED ELEV. Not known			8. TOP OF DAM ELEV. 938.0			9. SPILLWAY CREST ELEV. 933.0									
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										Apr. 1945					
WATERSHED	17. LENGTH OF RESERVOIR .08 MILES				AV. WIDTH OF RESERVOIR .01 MILES											
	18. TOTAL DRAINAGE AREA 1.08 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 17.6 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 1.08 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH 1.92 MILES		AV. WIDTH .56 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.											
	21. MAX. ELEV. 1901		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Semi-arid											
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. C/W RATIO AC.-FT. PER SQ. MI.	
	Sept. 1946		1		1											
	" 1947		1		2											
	" 1950		3		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			
	Sept. 1946		15.8		No record of inflow.											
	" 1947		13.9													
	" 1950		9.0													
	26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE-FEET 2/				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.				
Sept. 1946		.35		.35		.32		.35		.35		.32				
" 1947		.02		.02		.02		.37		.19		.18				
" 1950		-		-		-		.37		.07		.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						
				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 12 March 1951