

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

WINERY DEBRIS BASIN

NAME OF RESERVOIR

70-106

DATA SHEET NO.

DAM	1. OWNER LACFCD		2. STREAM Winery Canyon		3. STATE Calif			
	4. SEC. 26 TWP. 2N RANGE 13W		5. NEAREST P.O. La Crescenta		6. COUNTY Los Angeles			
	7. LAT 34° 13' 32" LONG 118° 12' 28"		8. TOP OF DAM ELEVATION 1945.0		9. SPILLWAY CREST ELEV. 1935.0			
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							
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION					Sep 68		
	g. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.078 MILES		AV. WIDTH OF RESERVOIR .022 MILES					
	18. TOTAL DRAINAGE AREA 0.18 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 25.2 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA .18 SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH .814 MILES	AV. WIDTH .221 MILES	24. MEAN ANNUAL RUNOFF AC.-FT.					
	21. MAX. ELEV. 3240.0	MIN. ELEV. 1920.0	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, <u>2</u> /ACRE-FEET	33. C/I. RATIO, AC.-FT. PER AC.-FT.
	Sep 69	1	1					
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFL. TO DATE, AC.-FT.		
	Sep 69	44.86	a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE	
	Sep 69	44.86	No record of inflow					
	26. DATE OF SURVEY	37. <u>3</u> / PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET			
	Sep 69	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	
	Sep 69	5.08	5.08	28.2	5.08	5.08	28.2	
	26. DATE OF SURVEY	39. AV. DRY WGT., LBS. PER CU. FT.	40. SED. DEP., TONS PERSQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM	
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TODATE	a. PERIOD	b. TOT. TODATE	

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														
<u>1/</u> Item 25 - Temperature taken at Pasadena, Calif. <u>2/</u> Item 32 - Capacity of debris varies. Debris excavated at various times. <u>3/</u> Item 37 - Sedimentation values computed by LACFCD are based on complete water year.														
48. AGENCY MAKING SURVEY					LACFCD									
49. AGENCY SUPPLYING DATA					C of E					50. DATE <u>23 Jan 70</u>				