

RESERVOIR SEDIMENTATION
DATA SUMMARY

Gerber

72-9

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Olive Florence Hall			2. RIVER Unnamed tributary to Burch Creek		3. STATE California	
	4. SEC. 33 TWP. 24 N RANGE 4 W		5. NEAREST TOWN Corning		6. COUNTY Tehama		
	7. STREAM BED ELEV. 418		8. TOP OF DAM ELEV. 451		9. SPILLWAY CREST ELEV. 448		
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					June 1, 1917	
	b. POWER						
	c. WATER SUPPLY	448	17.0	190 1/	190	16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION						
	e. CONSERVATION						
	f. INACTIVE						
17. LENGTH OF RESERVOIR				MILES	18. AV. WIDTH OF RESERVOIR		MILES
WATERSHED	18. TOTAL DRAINAGE AREA 0.31		SQ. MI.	22. MEAN ANNUAL PRECIPITATION 19		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA 0.28		SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES	
	20. LENGTH		MILES	24. MEAN ANNUAL RUNOFF		AG.-FT.	
	21. MAX. ELEV. 550		MIN. ELEV. 418		25. CLIMATIC CLASSIFICATION Semi-arid		
	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
June 1, 1917	-	-	-	-	17.0	190	613
Dec. 31, 1945	28.5	28.5	Range Detailed	6	17.0	182	587
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
	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.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR
Dec. 31, 1945	7.76	0.272	0.971	7.76	0.272	0.971	
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. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
Dec. 31, 1945	78.3 (5)	1,656	1,656	0.14	4.08		

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/ Primary purpose is for stockwater, used also for irrigation.
 Brown, C.B., and Thorp, E.M. Reservoir sedimentation in the Sacramento-San Joaquin Drainage Basins, California. U.S. Soil Conserv. Serv., Special Rpt. 10, 69 pp., illus., processed. Washington, D.C. July 1947.

Region 7, Soil Conservation Service
 U. S. Department of Agriculture

48. AGENCY SUPPLYING DATA Portland, Oregon 49. DATE February 26, 1951