

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Faulke Lake (False Lake)

NAME OF RESERVOIR

72-8

DATA SHEET NO.

DAM	1. OWNER C.O. & M.A. Pelletier			2. RIVER N. of Jenney Creek			3. STATE California			
	4. SEC. 4 TWP. 31 N RANGE 5 W			5. NEAREST TOWN			6. COUNTY Shasta			
	7. STREAM BED ELEV. 729			8. TOP OF DAM ELEV. 750			9. SPILLWAY CREST ELEV. 747			
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					1851				
	b. POWER									
	c. WATER SUPPLY	747	18.7	130 1/	130	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE									
17. LENGTH OF RESERVOIR				MILES	AV. WIDTH OF RESERVOIR		MILES			
WATERSHED	18. TOTAL DRAINAGE AREA 0.71			SQ. MI.	22. MEAN ANNUAL PRECIPITATION 40			INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA 0.68			SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES		
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.	
	21. MAX. ELEV. 1,100		MIN. ELEV. 729		25. CLIMATIC CLASSIFICATION Humid					
	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.	
1851		-	-	-	-	18.7	130	183		
Dec. 1945		94.0	94.0	Range Detailed	4	18.7	120	169		
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	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR		
	Dec. 1945		9.44	0.100	0.147	9.44	0.100	0.147		
	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. 1945		54 (5)	173	173	0.08	7.26			

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/ Reservoir used for stock water and recreation.

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 19, 1951