

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Blodgett

NAME OF RESERVOIR

72 - 4

DATA SHEET NO.

DAM	1. OWNER H. I. and M. M. Blodgett			2. RIVER Unnamed, Trib. of Cosumnes River		3. STATE California			
	4. SEC. 28 TWP. 8N RANGE 7E			5. NEAREST TOWN Sacramento		6. COUNTY Sacramento			
	7. STREAM BED ELEV. 115			8. TOP OF DAM ELEV. 165		9. SPILLWAY CREST ELEV. 156			
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					March 1940			
	b. POWER								
	c. WATER SUPPLY	156	46.9	258	258	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 3.12			SQ. MI.	22. MEAN ANNUAL PRECIPITATION 18			INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA 3.05			SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES	
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.
	21. MAX. ELEV. 240		MIN. ELEV. 145		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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.	
	March 1940	-	-	-	-	46.9.	258	82.7	
	Oct. 1945	5.6	5.6	Range detailed	8	46.9	254	81.4	
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-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		
	Oct. 1945	3.71	0.663	0.217	3.71	0.663	0.217		
	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		
Oct. 1945	46 (5)	217	217	0.26	1.44				

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															
<p>Brown, C. B. and Thorp, E. M. Reservoir sedimentation in the Sacramento-San Joaquin Drainage Basins, California. U. S. Soil Conserv. Serv., Special Report No. 10, 69 pp., illus., processed, Washington, D. C. July 1947.</p> <p style="text-align: center;">Region 7, Soil Conservation Service U. S. Dept. of Agriculture Portland, Oregon</p>															
48. AGENCY SUPPLYING DATA										49. DATE February 19, 1951					