

RESERVOIR SEDIMENTATION
DATA SUMMARY

Copperopolis

NAME OF RESERVOIR

71-5

DATA SHEET NO.

DAM	1. OWNER California Liquidating Co.				2. RIVER Penney Creek		3. STATE California									
	4. SEC. 33 TWP. 2 N RANGE 12 E		5. NEAREST TOWN Copperopolis			6. COUNTY Calaveras										
	7. STREAM BED ELEV. 942			8. TOP OF DAM ELEV. 975		9. SPILLWAY CREST ELEV. 973										
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									1915						
	b. POWER															
	c. WATER SUPPLY		973		30		265		265	15. DATE NORMAL OPER. BEGAN						
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR				MILES					
	18. TOTAL DRAINAGE AREA				2.06		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				20		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				2.01		SQ. MI.		23. MEAN ANNUAL RUNOFF						INCHES	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF						AG.-FT.	
21. MAX. ELEV. 1700			MIN. ELEV. 942			25. CLIMATIC CLASSIFICATION						Sub-humid				
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.					
	1915		-	-	-	-	30		265		129					
	August 1945		30	30	Range Detailed	4	30		263		128					
	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								
	August 1945		2.06	0.069	0.034	2.06	0.069	0.034								
	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									
August 1945		55 (4)	40.7	40.7	0.026	0.78										

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
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
 Brown, C. B. and Thorp, E. M. Reservoir sedimentation in the Sacramento-San Joaquin Drainage Basins, California. U. S. Soil Conserv. Serv. Spec. 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