

RESERVOIR SEDIMENTATION
DATA SUMMARY

McCarty
NAME OF RESERVOIR

71 - 14
DATA SHEET NO.

DAM	1. OWNER Jackson T. McCarty			2. RIVER Trib. to Johnny Creek			3. STATE California			
	4. SEC. 18 TWP. 2N RANGE 12E			5. NEAREST TOWN			6. COUNTY Calaveras			
	7. STREAM BED ELEV. 1,132.5			8. TOP OF DAM ELEV. 1,150			9. SPILLWAY CREST ELEV. 1,147			
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					Dec. 1937				
	b. POWER									
	c. WATER SUPPLY	1,147	16.8	96.3 1/	96.3	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			0.35		SQ. MI.		22. MEAN ANNUAL PRECIPITATION		
	19. NET SEDIMENT CONTRIBUTING AREA			0.32		SQ. MI.		23. MEAN ANNUAL RUNOFF		
	20. LENGTH			MILES		AV. WIDTH			MILES	24. MEAN ANNUAL RUNOFF
	21. MAX. ELEV. 1,700			MIN. ELEV. 1,132		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.		
	Dec. 1937	-	-	-	-	16.8	96.3	275		
	Sept. 1945	7.7	7.7	Range detailed	4	16.8	95.5	273		
	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			
	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		
	Sept. 1945	45 *	294	294	0.10	0.77				

* Assumed

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/ Major use is for stock water. Minor use 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 Report 10, 69 pp., illus., processed. Washington, D. C. July 1947.

Region 7, Soil Conservation Service
U. S. Dept. of Agriculture
Portland, Oregon

48. AGENCY SUPPLYING DATA

49. DATE February 26, 1951