

RESERVOIR SEDIMENTATION
DATA SUMMARY

Salt Springs Valley

NAME OF RESERVOIR

71-16

DATA SHEET NO.

DAM	1. OWNER Rock Creek Water Dist.			2. RIVER Rock Creek			3. STATE California									
	4. SEC. 16 TWP. 2 N RANGE 11 E			5. NEAREST TOWN			6. COUNTY Calaveras									
	7. STREAM BED ELEV. 1,133			8. TOP OF DAM ELEV. 1,178.0			9. SPILLWAY CREST ELEV. 1,173.4									
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										1882					
	b. POWER															
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION		1,173.4		1,195		12,930		12,930							
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR					MILES		17. AV. WIDTH OF RESERVOIR					MILES			
	18. TOTAL DRAINAGE AREA 20.3					SQ. MI.		22. MEAN ANNUAL PRECIPITATION 20					INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 18.4					SQ. MI.		23. MEAN ANNUAL RUNOFF					INCHES			
	20. LENGTH					MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.		
	21. MAX. ELEV. 2,500					MIN. ELEV. 1133		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.	
	1882		-		-		-		-		1,195		12,930		637	
	July 1945		63.0		63.0		Recon.		10 meas.		1,195		12,697		625	
	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			
	July 1945		233		3.70		0.201		233		3.70		0.201			
	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		
July 1945		50 *		219		219		0.03		1.80						

* 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
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., Spec. Rpt. 10, 69 pp., illus., processed. Washington, D. C., July 1947.</p> <p style="text-align: center;">Region 7, Soil Conservation Service U. S. Department of Agriculture</p>														
48. AGENCY SUPPLYING DATA Portland, Oregon										49. DATE February 26, 1951				