

RESERVOIR SEDIMENTATION
DATA SUMMARY

Railroad Canyon Reservoir

70-3

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Temescal Water Co.			2. RIVER San Jacinto			3. STATE California									
	4. SEC. 2 TWP. 6S RANGE 4W			5. NEAREST TOWN, Elsinore			6. COUNTY Riverside									
	7. STREAM BED ELEV. 1,302			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 1380									
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										May 1928					
	b. POWER															
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION		1380		550		12,218		12,218							
	e. CONSERVATION															
f. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR 4.1 MILES				AV. WIDTH OF RESERVOIR 0.13 MILES											
	18. TOTAL DRAINAGE AREA 718 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 12 - 30 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 651 1/2 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH MILES; AV. WIDTH MILES				24. MEAN ANNUAL RUNOFF AC.-FT.											
	21. MAX. ELEV. MIN. ELEV.				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/W RATIO AC.-FT. PER SQ. MI.	
	May 1928		-		-		-		-		550		12,218		17.0	
	June 1939		11		11		Range Recon.		14		550		12,034		16.8	
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			
SURVEY DATA	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			
	June 1939		184		16.7		0.03		184		16.7		0.03			
SURVEY DATA	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	
	June 1939		60*		39		39		0.14		1.51					

1/ Excluding 66 square miles above Hemet Reservoir
* 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

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

48. AGENCY SUPPLYING DATA

49. DATE August 29, 1950