

RESERVOIR SEDIMENTATION
DATA SUMMARY

Crane Valley

71-6

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Pacific Gas & Electric Co		2. RIVER N. Fk., San Joaquin R.		3. STATE California		
	4. SEC. 25 TWP. 7 S RANGE 22 E		5. NEAREST TOWN		6. COUNTY Madera		
	7. STREAM BED ELEV. 3235		8. TOP OF DAM ELEV. 3380		9. SPILLWAY GREST ELEV. 3365		
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					1901	
	b. POWER	3365	1164	45,410	45,410		
	c. WATER SUPPLY						
	d. IRRIGATION						
	e. CONSERVATION						
	f. INACTIVE						
17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR		MILES	
WATERSHED	18. TOTAL DRAINAGE AREA 54.5		SQ. MI.	22. MEAN ANNUAL PRECIPITATION 38-50		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA 52.7		SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES	
	20. LENGTH	MILES	AV. WIDTH	MILES	24. MEAN ANNUAL RUNOFF		AC.- FT.
	21. MAX. ELEV. 8,500		MIN. ELEV. 3,235		25. CLIMATIC CLASSIFICATION Humid		
	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
1901	-	-	-	-	1,164	45,410	833
June 1946	45	45	Range Recon.	3	1,164	45,028	826
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
	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 1946	382	8.49	0.161	382	8.49	0.161	
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 1946	62 *	217	217	0.02	0.84		

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