

RESERVOIR SEDIMENTATION
DATA SUMMARY

Gilmore
NAME OF RESERVOIR

71-10
DATA SHEET NO.

DAM	1. OWNER Greenlaw Grupe			2. RIVER Trib. to Mormon Slough			3. STATE California										
	4. SEC. 9 TWP 2 N RANGE 9 E			5. NEAREST TOWN Bellota			6. COUNTY San Joaquin										
	7. STREAM BED ELEV. 197			8. TOP OF DAM ELEV. 225			9. SPILLWAY CREST ELEV. 219										
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										Sept. 1917						
	b. POWER																
	c. WATER SUPPLY																
	d. IRRIGATION		219		58.2		579 1/		579		16. DATE NORMAL OPER. BEGAN						
	e. CONSERVATION																
	f. INACTIVE																
17. LENGTH OF RESERVOIR						MILES			AV. WIDTH OF RESERVOIR			MILES					
WATERSHED	18. TOTAL DRAINAGE AREA 5.01				SQ. MI.		22. MEAN ANNUAL PRECIPITATION 19				INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 4.92				SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES						
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.						
	21. MAX. ELEV. 325			MIN. ELEV. 197			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.		
	Sept. 1917		-		-		-		-		58.2		579		116		
	Aug. 1945		28.0		28.0		Range Detailed		8		58.2		560		112		
	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		d. MEAN ANNUAL		e. 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		d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.-YEAR				
	Aug. 1945		18.2		0.650		0.132		18.2		0.650		0.132				
	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		c. AV. ANNUAL		d. TOT. TO DATE		e. PERIOD		f. TOT. TO DATE			
Aug. 1945		50 (5)		144		144		0.11		3.14							

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/ Storage also used for stockwater.

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 26, 1951