

RESERVOIR SEDIMENTATION
DATA SUMMARY

Weber Reservoir

69-1

Dept. of Interior

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Indian Service, U. S./			2. RIVER Walker		3. STATE Nevada		
	4. SEC. TWP. 14N		RANGE 38E	5. NEAREST TOWN Shurz		6. COUNTY Mineral		
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV. 4,217		9. SPILLWAY CREST ELEV. 4,210		
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. 1935		
	b. POWER							
	c. WATER SUPPLY							
	d. IRRIGATION	4,210	960	13,200	13,200	16. DATE NORMAL OPER. BEGAN		
	e. CONSERVATION							
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 5.15			MILES		AV. WIDTH OF RESERVOIR 0.3		
	18. TOTAL DRAINAGE AREA 2,800 +			SQ. MI.		22. MEAN ANNUAL PRECIPITATION		
	19. NET SEDIMENT CONTRIBUTING AREA 2,440 1/			SQ. MI.		23. MEAN ANNUAL RUNOFF		
	20. LENGTH		MILES		AV. WIDTH		MILES	
	24. MEAN ANNUAL RUNOFF						AC.-FT.	
21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION				
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. 1935	-	-	-	-	960	13,200	4.7
	Sept. 1939	4	4	Recon.	63 meas.	960	12,980	4.6
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-FT.	
				a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	d. MEAN ANNUAL	e. TOTAL TO DATE
	Sept. 1939			449,899 (1938)			711,455 outflow	
	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	
	Sept. 1939	220	55	0.02	220	55	0.02	
	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	
Sept. 1939				0.42	1.66			

1/ The Bridgeport Reservoir with a drainage area of 360 square miles is above the Weber Reservoir on East Walker River.

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 September 1, 1950