

**RESERVOIR SEDIMENT
DATA SUMMARY**
SCS-34 Rev. 6-62

Elko Summit Reservoir No. 2
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

68-3
DATA SHEET NO.

DAM	1. OWNER <u>BLM</u>				2. STREAM <u>(ephemeral)</u>		3. STATE <u>Nevada</u>				
	4. SEC. <u>36</u> TWP. <u>34</u> N RANGE <u>55</u> E				5. NEAREST TOWN <u>Elko</u>		6. COUNTY <u>Elko</u>				
	7. STREAM BED ELEVATION				8. TOP OF DAM ELEVATION		9. SPILLWAY CREST ELEV.				
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA ACRES		13. ORIGINAL CAPACITY ACRE-FEET		14. GROSS STORAGE ACRE-FEET		15. DATE STORAGE BEGAN
	a. MULTIPLE USE								5.45		Aug. 1945 (dam completed)
	b. FLOOD CONTROL										
	c. POWER										
	d. WATER SUPPLY								X		
	e. IRRIGATION										16. DATE NORMAL OPER. BEGAN
	f. CONSERVATION										
	g. SEDIMENT										
	h. INACTIVE										
17. LENGTH OF RESERVOIR <u>0.073</u> MILES					AV. WIDTH OF RESERVOIR <u>0.019</u> MILES						
18. TOTAL DRAINAGE AREA <u>0.63</u> SQ. MI.					22. MEAN ANNUAL PRECIPITATION <u>9 to 10</u> INCHES						
19. NET SEDIMENT CONTRIBUTING AREA <u>0.63</u> SQ. MI.					23. MEAN ANNUAL RUNOFF <u>0.5</u> INCHES						
20. LENGTH <u>1.0</u> MILES			AV. WIDTH <u>0.6</u> MILES		24. MEAN ANNUAL RUNOFF <u>16.8</u> AC.-FT.						
21. MAX. ELEV. <u>5930</u>			MIN. ELEV. <u>5780</u>		25. CLIMATIC CLASSIFICATION <u>Semi-arid to arid</u>						
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.	
Aug. 1945 8/28/63		18.0		18.0	R	44M	0.86	5.45 4.96		8.65 7.88	
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	
8/28/63		9 to 10 in.									
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				
8/28/63		0.5	0.03	0.05	0.50	0.03	0.05				
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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE				
8/28/63		66.9 (1)		73	73	0.5%	9.2%				

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

48. AGENCY MAKING SURVEY USDA, SCS, Nevada
 49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE April 28, 1966