

**RESERVOIR SEDIMENT  
DATA SUMMARY**

SCS-34 Rev. 6-62

Elko Summit Reservoir No. 1

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

68-2

DATA SHEET NO.

DAM	1. OWNER <u>BLM</u>				2. STREAM <u>(ephemeral)</u>		3. STATE <u>Nevada</u>								
	4. SEC. <u>12 TWP. 33 N RANGE 55 E</u>				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								7.44		3/25/41 <sup>1/</sup> (dam completed)				
	b. FLOOD CONTROL														
	c. POWER														
	d. WATER SUPPLY								X		16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION														
	f. CONSERVATION														
	g. SEDIMENT														
h. INACTIVE															
17. LENGTH OF RESERVOIR <u>0.098</u>				MILES		AV. WIDTH OF RESERVOIR <u>0.028</u>				MILES					
WATERSHED	18. TOTAL DRAINAGE AREA <u>1.25</u>				SQ. MI.		22. MEAN ANNUAL PRECIPITATION <u>9 to 10</u>				INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA <u>1.25</u>				SQ. MI.		23. MEAN ANNUAL RUNOFF <u>0.5</u>				INCHES				
	20. LENGTH <u>1.6</u>		MILES		AV. WIDTH <u>0.8</u>		MILES		24. MEAN ANNUAL RUNOFF <u>33.3</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.
3/25/41										1.79		7.44		5.95	
8/29/63		22.4		22.4		R		31M				6.38		5.10	
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE-FEET				36. WATER INFL. TO DATE AC.-FT.							
8/29/63		9 to 10 in.		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.									
8/29/63		a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
8/29/63		1.06		0.047		0.04		1.06		0.05		0.04			
26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PERSQ. MI.-YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM							
8/29/63		a. PERIOD		b. TOTAL TO DATE		a. AV. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE			
8/29/63		66.0 (1)		57.5		57.5		0.63%		14.2%					

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

1/ Construction started July 29, 1940 and completed March 25, 1941; reservoir reportedly filled with water in February 1951.