

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

Dorsey Creek Reservoir
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

68-4

DATA SHEET NO.

DAM	1. OWNER <u>E. L. Cord</u>			2. STREAM <u>Dorsey Creek</u>			3. STATE <u>Nevada</u>			
	4. SEC. <u>29</u> TWP. <u>37 N</u> RANGE <u>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				131	Oct. 1952 (dam completed)				
	b. FLOOD CONTROL				X					
	c. POWER					16. DATE NORMAL OPER. BEGAN				
	d. WATER SUPPLY				X					
	e. IRRIGATION					X				
	f. CONSERVATION					X				
	g. SEDIMENT									
	h. INACTIVE									
17. LENGTH OF RESERVOIR <u>0.348</u> MILES			AV. WIDTH OF RESERVOIR <u>0.055</u> MILES							
WATERSHED	18. TOTAL DRAINAGE AREA <u>9.16</u> SQ. MI.			22. MEAN ANNUAL PRECIPITATION <u>9 to 11</u> INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA <u>9.14</u> SQ. MI.			23. MEAN ANNUAL RUNOFF <u>0.75</u> INCHES						
	20. LENGTH <u>6.6</u> MILES		AV. WIDTH <u>1.4</u> MILES		24. MEAN ANNUAL RUNOFF <u>366</u> AC.-FT.					
	21. MAX. ELEV. <u>7500</u>		MIN. ELEV. <u>6250</u>		25. CLIMATIC CLASSIFICATION <u>Semi-arid</u>					
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.		
	Oct. 1952					12.3	131	14.3		
	9/3/63	10.9	10.9	R	68M		128	14.0		
	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			
	9/3/63	9 to 11 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			
	9/3/63	12.2 ^{1/2}	1.12 ^{1/2}	0.12 ^{1/2}	12.2 ^{1/2}	1.12 ^{1/2}	0.12 ^{1/2}			
	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			
		a. PERIOD	b. TOTAL TO DATE	a. AV. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE			
9/3/63	56.9 (1)	149 ^{1/2}	149 ^{1/2}							

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/ Includes deposits above spillway crest elevation.

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

50. DATE April 28, 1966