

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Slab Canyon CCC

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

34-13

DATA SHEET NO.

DAM	1. OWNER <b>Monroe Ranch</b>			2. STREAM <b>Slab Canyon</b>			3. STATE <b>Colorado</b>					
	4. SEC. <b>6</b> TWP. <b>10N</b> RANGE <b>69@</b>			5. NEAREST P.O. <b>Wellington</b>			6. COUNTY <b>Larimer</b>					
	7. LAT <b>40° 52' 00"</b> LONG. <b>105° 09' 30"</b>			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. FLOOD CONTROL		5859.7		43		311.4		311.4		July 1937	
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN	
	c. POWER										July 1937	
	d. WATER SUPPLY											
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR <b>0.26</b> MILES				AV. WIDTH OF RESERVOIR <b>0.25</b> MILES							
	18. TOTAL DRAINAGE AREA <b>3.15</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>15</b> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <b>3.08</b> SQ. MI.				23. MEAN ANNUAL RUNOFF <b>1.0 1/</b> INCHES							
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF <b>168</b> AC.-FT.							
	21. MAX. ELEV.		MIN. ELEV.		25. ANNUAL TEMP.: MEAN <b>48°F</b> RANGE <b>27°-71°F</b>							
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/I. RATIO, AC.-FT. PER AC.-FT.			
	July 1937		--	--	--	--	43	311.4	1.85			
	Feb. 1968		30	30	Range	18	43	288.3	1.72			
	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			
	26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, 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		
	Feb. 1968		23.1	0.77	0.25	23.1		0.77		0.25		
	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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE			
Feb. 1968						0.25	7.42					

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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

Most of sediment derived from streambank erosion along main channel.

1/ Atlas HA-212, USGS 1966

48. AGENCY MAKING SURVEY      Soil Conservation Service  
 49. AGENCY SUPPLYING DATA      Same  
 50. DATE      March 25, 1968