

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Rock Canyon

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

64-6

DATA SHEET NO.

DAM	1. OWNER USFS			2. STREAM Rock Canyon			3. STATE Utah									
	4. SEC. 6 TWP. 3S RANGE 21E			5. NEAREST P.O. Vernal, Utah			6. COUNTY Uintah									
	7. LAT. 40° 35' " LONG. 109° 36' "			8. TOP OF DAM ELEVATION 6856 ^{approx.}			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						5.0*		5.0*		1936					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY															
	e. IRRIGATION										16. DATE NORMAL OPER. BEGAN					
	f. CONSERVATION															
g. INACTIVE										1936						
17. LENGTH OF RESERVOIR .066				MILES				AV. WIDTH OF RESERVOIR .018				MILES				
WATERSHED	18. TOTAL DRAINAGE AREA 1.41				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 12				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 1.41				SQ. MI.				23. MEAN ANNUAL RUNOFF --				INCHES			
	20. LENGTH 2.55		MILES		AV. WIDTH .57		MILES		24. MEAN ANNUAL RUNOFF --		AC.-FT.					
	21. MAX. ELEV. 8,440				MIN. ELEV. 6,960				25. ANNUAL TEMP: MEAN 42°				RANGE 16°-70° F			
	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.	
10-2-68		22		22		Range R		2		1.0*		5.0		--		
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				
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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				
10-2-68		0.36		0.016		0.011		0.36		0.016		0.011				
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				
10-2-68		60*		14		14		0.32		7.2		--		--		

*Assumed or Estimated

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
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														
Hand level survey Cover - Pinyon-Juniper and sage Geology - Weber sandstone														
48. AGENCY MAKING SURVEY Utah State Watershed Planning Party										50. DATE 10-12-71				
49. AGENCY SUPPLYING DATA Soil Conservation Service														