

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Bullwinkle

NAME OF RESERVOIR

64-5

DATA SHEET NO.

DAM	1. OWNER BLM			2. STREAM Brush Creek (Trib)			3. STATE Utah					
	4. SEC. 14 TWP. 4S RANGE 22E			5. NEAREST P.O. Vernal, Utah			6. COUNTY Uintah					
	7. LAT. 40° 25' " LONG 109° 25' "			8. TOP OF DAM ELEVATION approx. 5280			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										16. DATE NORMAL OPER. BEGAN	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY											
	e. IRRIGATION						5.0*		5.0*		1938	
	f. CONSERVATION											
	g. INACTIVE											
17. LENGTH OF RESERVOIR .075 MILES			AV. WIDTH OF RESERVOIR .033 MILES									
WATERSHED	18. TOTAL DRAINAGE AREA 0.11 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 9 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 0.11 SQ. MI.			23. MEAN ANNUAL RUNOFF -- INCHES								
	20. LENGTH .72 MILES		AV. WIDTH .14 MILES		24. MEAN ANNUAL RUNOFF -- AC.-FT.							
	21. MAX. ELEV. 5,440			MIN. ELEV. 5,280			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.	
10-1-68		30	30	Range R		4	1.6*	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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SURVEY DATA	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		
	10-1-68		2.6 <u>1/</u>	0.087	0.79	2.6 <u>1/</u>		0.087		0.79		
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			
10-1-68		70*		1,204	1,204	--	--	--	--			

*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	-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

Survey made by auger borings.
 Cover - Greasewood
 Geology - Mancos shale and gravel terraces

1/ Includes deposition above spwy. crest level

48. AGENCY MAKING SURVEY Utah State Watershed Planning Party
 49. AGENCY SUPPLYING DATA Soil Conservation Service
 50. DATE 10-12-71