

RESERVOIR SEDIMENT
DATA SUMMARY

S-34 Rev. 6-66

Manganese Wash

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

62-17

DATA SHEET NO.

DAM	1. OWNER BLM			2. STREAM Manganese Wash			3. STATE Utah									
	4. SEC. 10,15 TWP. 40S RANGE 18W			5. NEAREST P. O. St. George			6. COUNTY Washington									
	7. LAT. 37°18' " LONG 113°51' "			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						1.0*		1.0*		1956					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY															
	e. IRRIGATION										1956					
	f. CONSERVATION															
	g. INACTIVE															
17. LENGTH OF RESERVOIR 100 feet			18. AV. WIDTH OF RESERVOIR 200 feet			19. TOTAL DRAINAGE AREA 0.17 SQ. MI.			20. MEAN ANNUAL PRECIPITATION 8 INCHES							
21. NET SEDIMENT CONTRIBUTING AREA 0.17 SQ. MI.			22. MEAN ANNUAL RUNOFF 0.5 INCHES			23. LENGTH 0.76 MILES			24. MEAN ANNUAL RUNOFF 4.5 AC.-FT.							
25. MAX. ELEV. 4,880			26. MIN. ELEV. 4,480			27. ANNUAL TEMP.: MEAN 62° RANGE 39°-84°F										
WATERSHED	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.	
	4-8-66		10		3		Range R		4		0.46*		1.0*		0.2	
SURVEY DATA	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			
4-8-66		0.65 <u>1/</u>			0.065		0.38		0.65 <u>1/</u>		0.065		0.38			
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				
4-8-66		80		662		662		--		--		--				

*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
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														
<p>Survey by auger borings. Cover - pinyon-juniper and brush Geology - Navajo and carmel formations and alluvium</p> <p><u>1/</u> Includes deposition above spwy. crest level</p>														
48. AGENCY MAKING SURVEY Utah State Watershed Planning Party														
49. AGENCY SUPPLYING DATA Soil Conservation Service														
50. DATE <u>10-14-71</u>														