

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Maeser Reservoir

NAME OF RESERVOIR

64-8

DATA SHEET NO.

SCS-34 Rev. 6-66

DAM	1. OWNER BLM			2. STREAM Trib to Twelve-mile Wash			3. STATE Utah									
	4. SEC. 26 TWP. 4S RANGE 20E			5. NEAREST P. O. Vernal, Utah approx.			6. COUNTY Uintah									
	7. LAT. 40° 26' " LONG. 109 38' "			8. TOP OF DAM ELEVATION 5920			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						8.0*		8.0*		1942					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY															
	e. IRRIGATION										16. DATE NORMAL OPER. BEGAN					
	f. CONSERVATION															
	g. INACTIVE										1942					
17. LENGTH OF RESERVOIR .075			MILES			AV. WIDTH OF RESERVOIR .037			MILES							
18. TOTAL DRAINAGE AREA 0.65			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 10			INCHES							
19. NET SEDIMENT CONTRIBUTING AREA 0.65			SQ. MI.			23. MEAN ANNUAL RUNOFF --			INCHES							
20. LENGTH 1.95			MILES			AV. WIDTH .26			MILES							
21. MAX. ELEV. 7,000			MIN. ELEV. 5,940			25. ANNUAL TEMP: MEAN 42°			RANGE 16°-70°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.	
	5-21-68		26		26		Range R		16		2.0*		8.0		--	
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				
5-21-68		4.0 <u>1/</u>		0.15		0.23		4.0 <u>1/</u>		0.15		0.23				
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				
5-21-68		90*		450		450.		--		--		--				

*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															
<p>Survey made by auger borings Estimated land use: pinyon-juniper - 75%, brush - 25% Geology - Duchesne River formation</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>10-12-71</u>															