

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

Niles Haslem Pond
NAME OF RESERVOIR

64 -7

DATA SHEET NO.

DAM	1. OWNER <u>Niles Haslem</u>			2. STREAM Trib. to <u>Steinaker Cr.</u> , STATE <u>Utah</u>								
	4. SEC. <u>18</u> TWP. <u>4S</u> RANGE <u>22E</u>			5. NEAREST P.O. <u>Vernal, Utah</u>								
	7. LAT. <u>40° 28'</u> " LONG <u>109° 30'</u> "			8. TOP OF DAM ELEVATION <u>approx. 5370</u>								
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						2.0*		2.0*		1952	
	f. CONSERVATION											
	g. INACTIVE											
17. LENGTH OF RESERVOIR <u>.06</u> MILES				AV. WIDTH OF RESERVOIR <u>.04</u> MILES								
WATERSHED	18. TOTAL DRAINAGE AREA <u>0.095</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>9</u> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.095</u> SQ. MI.				23. MEAN ANNUAL RUNOFF <u>--</u> INCHES							
	20. LENGTH <u>0.5</u> MILES		AV. WIDTH <u>.02</u> MILES		24. MEAN ANNUAL RUNOFF <u>--</u> AC.-FT.							
	21. MAX. ELEV. <u>5,400</u>		MIN. ELEV. <u>5,360</u>		25. ANNUAL TEMP: MEAN <u>42°</u> RANGE <u>16°-70° F</u>							
	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.			
9-28-67		15	15	Range R	4	1.5*	2.0 (est.)	--				
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					
9-28-67		0.96 <u>1/</u>	0.064	0.67	0.96 <u>1/</u>	0.064	0.67					
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.	40. SED. DEP., TONS PERSQ. 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					
9-28-67		70*	1,021	1,021	--	--	--					

*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														
<p>Survey by auger borings Cover - Brush and annuals Geology - Mancos shale and terrace depostis</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>														