

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

North Fish Creek Weir

NAME OF RESERVOIR

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

64-3

DATA SHEET NO.

DAM	1. OWNER <b>USDA - F.S.</b>		2. STREAM <b>N. Fish Creek</b>		3. STATE <b>Colorado</b>				
	4. SEC. <b>TWP. 7N RANGE 83W</b>		5. NEAREST P.O. <b>Steamboat Springs</b>		6. COUNTY <b>Routt</b>				
	7. LAT. <b>40° 32' 25"</b> LONG. " "		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								
	b. MULTIPLE USE								
	c. POWER								
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEG.			
	e. IRRIGATION								
	f. CONSERVATION								
g. INACTIVE	<b>N.A.<sup>1</sup></b>					<b>10-1-68</b>			
WATERSHED	17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR		MILES		
	18. TOTAL DRAINAGE AREA			<b>2.24</b>	SO. MI.	22. MEAN ANNUAL PRECIPITATION <b>(4) 67.42<sup>2</sup></b>		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				SO. MI.	23. MEAN ANNUAL RUNOFF <b>(4) 46.70<sup>3</sup></b>		INCHES	
	20. LENGTH <b>1.1</b>		MILES	AV. WIDTH <b>2.0</b>		MILES	24. MEAN ANNUAL RUNOFF <b>(4) 5584.54<sup>3</sup></b>		AC.-FT.
	21. MAX. ELEV. <b>10,724 Ft.</b>		MIN. ELEV. <b>9,800 Ft.</b>		25. ANNUAL TEMP: MEAN RANGE				
SURVEY DATA	26. DATE OF SURVEY <sup>4</sup>	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.	
	<b>10-1-69</b>	<b>1</b>	<b>1</b>	↑ See Remark <sup>5</sup> ↓					
	<b>10-1-70</b>	<b>1</b>	<b>2</b>						
	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		
	<b>10-1-67</b>	<b>58.8<sup>2</sup></b>	<b>5239.27</b>						
	<b>10-1-68</b>	<b>63.1</b>	<b>5303.41</b>						
	<b>10-1-69</b>	<b>70.1</b>	<b>5405.72</b>						
	<b>10-1-70</b>	<b>77.7</b>	<b>6387.85</b>						
	26. DATE OF SURVEY <sup>4</sup>	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			
<b>10-1-69</b>			<b>24Ft<sup>3</sup>/MI<sup>2</sup></b>	<b>.001</b>					
<b>10-1-70</b>			<b>174</b>	<b>.004</b>					
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		
<b>10-1-69</b>		<b>1.62</b>	<b>1.62</b>						
<b>10-1-70</b>	<b>135 (Est.)</b>	<b>11.74</b>	<b>6.68</b>						

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

- 1 Weir pond used to collect bedload sediment and debris.
- 2 Area-mean precipitation for water year.
- 3 April-September runoff.
- 4 Weir pond cleaned each fall.
- 5 Gross sediment accumulations determined by cross-sectioning (Tabulation is in Ft<sup>3</sup>/Mi<sup>2</sup>).

48. AGENCY MAKING SURVEY Rocky-Mt.-Forest and Range Exp. Sta.

49. AGENCY SUPPLYING DATA Same

50. DATE 8/1/71