

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

East Fork Horse Creek

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

76-16

DATA SHEET NO.

DAM	1. OWNER USDA-FS			2. STREAM East Fork Horse Creek			3. STATE Idaho									
	4. SEC. 33 TWP. 31N RANGE 9W			5. NEAREST P.O. Elk City, 12NE			6. COUNTY Idaho									
	7. LAT. 45° 59' " LONG. 115° 20' "			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										10/1/65					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION															
	f. CONSERVATION 1/				0.07		0.039		0.039		10/1/65					
g. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR -- MILES				AV. WIDTH OF RESERVOIR --- MILES											
	18. TOTAL DRAINAGE AREA 5.56 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 40-45 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 5.56 SQ. MI.				23. MEAN ANNUAL RUNOFF 14.25 INCHES											
	20. LENGTH 4.60 MILES		AV. WIDTH 1.21 MILES		24. MEAN ANNUAL RUNOFF 4,224 AC.-F.T.											
	21. MAX. ELEV. 6025		MIN. ELEV. 4100		25. ANNUAL TEMP: MEAN 40°F RANGE											
SURVEY DATA	26. DATE OF SURVEY 2/		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.	
	10/1/65		--		0						0.07		0.039			
	10/1/66		1.00		1.00		3/									
	10/1/67		1.00		2.00											
	10/1/68		1.00		3.00											
	10/1/69		1.00		4.00											
	10/1/70		1.00		5.00											
	10/1/71		1.00		6.00											
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET 4/				36. WATER INFL. TO DATE, AC.-FT.							
					a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE			
	10/1/66		28-33		7.84		61.76		2,870		2,870		2,870			
	10/1/67		39-46		8.04		80.69		2,930		2,930		5,800			
	10/1/68		47-52		15.61		94.08		5,700*		5,700		11,500			
10/1/69		40-47		12.74		82.44		4,650*		4,650		16,150				
10/1/70		39-47		13.63		102.91		4,970		4,970		21,120				
10/1/71		42-49		---		---		--		---		---				
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				
10/1/66		0.012		0.012		0.0022										
10/1/67		0.031		0.031		0.0056										
10/1/68		0.009		0.009		0.0016		5/								
10/1/69		0.016		0.016		0.0029										
10/1/70		0.025		0.025		0.0045										
10/1/71		0.039		0.039		0.0070										
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		
10/1/66				4.1				31								
10/1/67				11.0				79								
10/1/68		90 Est.		3.8				23								
10/1/69				5.6				41								
10/1/70				8.8				64								
10/1/71				13.7				100								

*Assumed

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/ Administrative study for bedload sediment and debris.
 2/ Surveys made in late summer after all significant sediment capture for water year.
 3/ X-sectioning or volumetric measurements; ranges or contours not used.
 4/ Mean, maximum and total for water year.
 5/ Sediment removed annually.

48. AGENCY MAKING SURVEY Nezperce National Forest
 49. AGENCY SUPPLYING DATA N.F. & Int. F&R Exp.Sta.

50. DATE 10/1/71