

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Indian Fork

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

79-9

DATA SHEET NO.

DAM	1. OWNER Darcel Smith			2. STREAM Indian Fork			3. STATE Idaho					
	4. SEC. 14 TWP. 11N RANGE 41E			5. NEAREST P.O. Ririe 15 SE			6. COUNTY Bonneville					
	7. LAT. 43° 25' 15" N LONG. 111° 35' 11" W			8. TOP OF DAM ELEVATION 97.9*			9. SPILLWAY CREST ELEV. 96.8*					
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										1925 1/	
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN	
	c. POWER										1925 *	
	d. WATER SUPPLY											
	e. IRRIGATION		96.8*		0.77		3.5		3.5			
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.044 MILES			AV. WIDTH OF RESERVOIR 0.035 MILES								
	18. TOTAL DRAINAGE AREA 1.6 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 19 3/4 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 1.6 SQ. MI.			23. MEAN ANNUAL RUNOFF 6 INCHES								
	20. LENGTH 1.2 MILES		AV. WIDTH 1.33 MILES		24. MEAN ANNUAL RUNOFF 499 * AC.-FT.							
	21. MAX. ELEV. 7287		MIN. ELEV. 6245 2/		25. ANNUAL TEMP: MEAN 44.3° RANGE 20°-69° F							
SURVEY DATA	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.	
	1925 1/		--	--	--	--		0.77	3.5		0.007	
	9/14/66		41	41	Range-contour	8R 1CI		9.77	1.88		0.004	
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		
SURVEY DATA	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				
	9/14/66		1.6	0.04	0.025	1.6	0.04	0.025				
SURVEY DATA	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				
	9/14/66		95.3	52	52	1.08	46.3	--	--			

\*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														
9/14/66	.04	10.4	12.7	5.8	20.1	23.8	15.2	9.0	2.6	0.36					
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>1/ From memory of owner</p> <p>2/ Approximate</p> <p>3/ Mean annual prec. map 1930-1957 State of Idaho, March 1965</p> <p>Land Use: Range 100%; wtd. slope 39%; wtd. slope length 206'</p> <p>Dam does not hold water, control valve damaged (10 yrs. +*); this limited sediment deposited in old channel area near dam. Geology: Some loess deposits over cretaceous sedimentary sandstone and shale.</p>															
48. AGENCY MAKING SURVEY				Soil Conservation Service				49. AGENCY SUPPLYING DATA				50. DATE			
				Same				4/11/67							