

RESERVOIR SEDIMENTATION
DATA SUMMARY

Great Fork

43-5

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER USDI - BLM			2. RIVER Indian Draw			3. STATE Wyoming				
	4. SEC. 14 TWP. 37N RANGE 91W			5. NEAREST TOWN HONOLA			6. COUNTY Fremont				
	7. STREAM BED ELEV. 3.9*			8. TOP OF DAM ELEV. 16.6*			9. SPILLWAY CREST ELEV. 13.1*				
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL										
	b. POWER										
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION	13.1*	.79	3.13	3.13	July 1948					
	f. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR 0.683 MILES			AV. WIDTH OF RESERVOIR 100 Ft. MILES							
	18. TOTAL DRAINAGE AREA 0.38 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 8.9 (riverbank) INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA .38 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.04 INCHES							
	20. LENGTH 0.9 MILES		AV. WIDTH 0.42 MILES		24. MEAN ANNUAL RUNOFF 0.82 AC.-FT.						
	21. MAX. ELEV. 5300		MIN. ELEV. 5220		25. CLIMATIC CLASSIFICATION arid						
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/W RATIO AC.-FT. PER SQ. MI.			
	July 22, 1948			Topo. & range detailed	2.0	.79	3.13	8.2			
	Nov. 3, 1949	1.25	1.25			.79	2.94	7.7			
	May 20, 1952	2.54	3.79			.79	2.54	6.7			
	Oct. 20, 1955	3.42	7.21			.79	2.62	6.9			
	Oct. 15, 1957	2.99	9.21			.79	2.59	6.8			
	Oct. 23, 1960	3.00	12.21	.79	2.47	6.5					
	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	d. MEAN ANNUAL		e. TOTAL TO DATE	
		Nov. 3, 1949			4.80	3.40	6.00	4.80		6.0	
		May 20, 1952			.09	.22	.22	1.64		6.22	
		Oct. 20, 1955			.66	2.26	2.33	1.19		8.55	
		Oct. 15, 1957			.21	.38	.42	.97		8.97	
	Oct. 23, 1960			.34	1.01	1.01	.82		9.98		
	SURVEY DATA	26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS ACRE- FEET			38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET.					
		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR				
Nov. 3, 1949		0.19	.15	0.39	0.19	0.15	0.39				
May 20, 1952		.40	.16	.42	.59	.16	.42				
Oct. 20, 1955		0	0	0	.59	.08	.21				
Oct. 15, 1957		.03	.02	.05	.64	.07	.18				
Oct. 23, 1960	.12	.04	.11	.76	.06	.16					
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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE			
	Nov. 3, 1949				4.9	6.1					
	May 20, 1952				5.0	18.8					
	Oct. 20, 1955				2.6	18.8					
	Oct. 15, 1957				2.2	20.4					
Oct. 23, 1960				2.0	24.3						

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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

Data through 1954 given in U. S. Geological Survey Water Supply Paper 1475-A.

U. S. Geological Survey
Water Resources Division

48. AGENCY SUPPLYING DATA

49. DATE April 25, 1962