

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
RESERVOIR SEDIMENTATION  
DATA SUMMARY

East Fork

GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION

43-4

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER USDI - BLM			2. RIVER Graham Draw			3. STATE Wyoming				
	4. SEC. 12 TWP. 37N RANGE 91W			5. NEAREST TOWN Moneta			6. COUNTY Fremont				
	7. STREAM BED ELEV. 17.4*			8. TOP OF DAM ELEV. 33.0*(approx.)			9. SPILLWAY CREST ELEV. 28.9*				
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	28.9*	2.43	12.3	12.3	June 1949					
	f. INACTIVE										
17. LENGTH OF RESERVOIR 0.178 MILES			AV. WIDTH OF RESERVOIR .038 MILES								
WATERSHED	18. TOTAL DRAINAGE AREA 0.81 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 8.9 (Kiverton) INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA .81 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.067 INCHES							
	20. LENGTH 1.0 MILES		AV. WIDTH .8 MILES		24. MEAN ANNUAL RUNOFF 2.9 AC.- FT.						
	21. MAX. ELEV. 5740		MIN. ELEV. 5550		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.			
	June 1, 1949			Topo. & ranges	1 ft.	2.43	12.30	15.2			
	Nov. 1, 1949	.42	.42		16 ranges	2.43	11.73	14.5			
	May 20, 1952	2.54	2.96			2.43	11.01	13.6			
	Oct. 20, 1955	3.42	6.38			2.43	10.83	13.4			
	Oct. 16, 1957	2.00	8.38			2.43	10.61	13.1			
	Oct. 23, 1960	3.00	11.38			2.43	10.58	13.0			
	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				
	Nov. 1, 1949		40.4	16.95	16.95	40.4	16.95				
	May 20, 1952		.7	1.70	1.70	6.2	18.65				
	Oct. 20, 1955		1.5	5.04	5.19	3.7	23.84				
	Oct. 16, 1957		3.2	6.46	6.46	3.6	30.30				
	Oct. 23, 1960		.7	1.48	2.21	2.9	32.51				
	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	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.- YEAR					
Nov. 1, 1949	.57	1.36	1.68	.57	1.36	1.68					
May 20, 1952	.72	.28	.35	1.29	.51	.63					
Oct. 20, 1955	.18	.05	.06	1.47	.43	.53					
Oct. 16, 1957	.22	.11	.14	1.69	.84	1.04					
Oct. 23, 1960	.03	.01	.01	1.72	.57	.70					
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. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE				
Nov. 1, 1949				11.0	4.6						
May 20, 1952				3.5	10.5						
Oct. 20, 1955				1.9	12.0						
Oct. 16, 1957				1.6	13.7						
Oct. 23, 1960				1.2	14.0						

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 1958 contained in U. S. Geological Survey Water Supply Paper 1475-A.

48. AGENCY SUPPLYING DATA U. S. Geological Survey  
Water Resources Division

49. DATE April 26, 1962