

ESER: DIR SEDIMENTATION
DATA SUMMARY

Fraser Draw

NAME OF RESERVOIR

43-3

DATA SHEET NO.

DAM	1. OWNER USDI - BHM		2. RIVER Fraser Draw		3. STATE Wyoming			
	4. SEC. 14 TWP. 34N RANGE 91W		5. NEAREST TOWN Honeta		6. COUNTY Fremont			
	7. STREAM BED ELEV. 87.5*		8. TOP OF DAM ELEV. 103.0*		9. SPILLWAY CREST ELEV. 100.0*			
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	100.0*	16.2	90.2	90.2	April 1954		
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.56 MILES		18. AV. WIDTH OF RESERVOIR MILES					
	19. TOTAL DRAINAGE AREA 27.4 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 8.9 (diverton) INCHES					
	20. NET SEDIMENT CONTRIBUTING AREA 27.4 SQ. MI.		23. MEAN ANNUAL RUNOFF 0.03 INCHES					
	21. LENGTH 12.0 MILES		24. AV. WIDTH 2.3 MILES		25. MEAN ANNUAL RUNOFF 50.2 AC.-FT.			
	21. MAX. ELEV. 7200		21. MIN. ELEV. 5810		25. CLIMATIC CLASSIFICATION semi-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.
	Oct. 7, 1954			Topo	2.0 ft.	16.2	90.2	3.3
	Oct. 5, 1958	4	4	detailed		16.2	87.7	3.2
	Nov. 2, 1960	2	6			16.2	83.3	3.0
	28. 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	
	Oct. 5, 1958		65.4	160.8	261.7	65.4	261.7	
	Nov. 2, 1960		19.6	23.7	39.3	50.2	301.0	
	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	
Oct. 5, 1958	2.5	.6	0.02	2.5	0.6	0.02		
Nov. 2, 1960	4.4	2.2	.08	6.2	1.2	.04		
28. 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	
Oct. 5, 1958				0.7	2.8			
Nov. 2, 1960				1.3	7.6			

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

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

49. DATE April 25, 1962