

RESERVOIR SEDIMENT DATA SUMMARY

Tass

42-7

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Richard Tass			2. STREAM Burnett Creek			3. STATE Wyoming											
	4. SEC. 20 TWP. 49N RANGE 82W			5. NEAREST P.O. Buffalo 9SSE			6. COUNTY Johnson											
	7. LAT. 44° 12' 14" LONG. 106° 45' 9"			8. TOP OF DAM ELEVATION 100.0			9. SPILLWAY CREST ELEV. 95.0											
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										16. DATE NORMAL OPER. BEGAN							
	b. MULTIPLE USE																	
	c. POWER																	
	d. WATER SUPPLY																	
	e. IRRIGATION		95.0		6.28		60.43		61.51									
	f. CONSERVATION																	
	g. INACTIVE		69.0		0.54		1.08		1.08		Mar. 1962							
17. LENGTH OF RESERVOIR		0.49		1/		MILES		AV. WIDTH OF RESERVOIR		0.02		MILES						
WATERSHED	18. TOTAL DRAINAGE AREA		3.66		2/		SQ. MI.		22. MEAN ANNUAL PRECIPITATION		13.11		3/		INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA		0.62		2/		SQ. MI.		23. MEAN ANNUAL RUNOFF		1.0				INCHES			
	20. LENGTH		4.55		MILES		AV. WIDTH		0.80		MILES		24. MEAN ANNUAL RUNOFF		32.9		AC.-FT.	
	21. MAX. ELEV.		7726		MIN. ELEV.		5160		25. ANNUAL TEMP.: MEAN		45.4		RANGE		36 to 106			
	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.			
Mar. 1962		-		-				-		6.28		61.51		1.87 2/				
Mar. 9, 1988		26		26		Range (D)		8		6.28		43.85		1.33 2/				
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		
Mar. 9, 1988		14.04		-		-		-		-		-		-		-		
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		
Mar. 9, 1988		17.66		0.68		0.19		17.66		0.68		0.19						
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. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE		
Mar. 9, 1988		74.70		309		309		1.1		28.7		-		-		-		

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							
REMARKS AND REFERENCES															
<p>1/ Two principal arms - 0.32 and 0.17 miles.</p> <p>2/ Irrigated cropland is the predominant land use in the uncontrolled drainage area. The reservoir is filled by return flows off of cropland and principal spillway flow from Muffie Reservoir about one mile upstream.</p> <p>3/ Buffalo, 1165: 43-year record.</p>															
48. AGENCY MAKING SURVEY Soil Conservation Service				49. AGENCY SUPPLYING DATA Soil Conservation Service											
50. DATE						March 3, 1993									