

UNITED STATES
DEPARTMENT OF THE INTERIOR
RESERVOIR SEDIMENTATION
DATA SUMMARY

Southeast (13)

GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

63-7

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER USDI - BLM				2. RIVER Badger Wash		3. STATE Colorado	
	4. SEC. 6 TWP. 9S RANGE 103W				5. NEAREST TOWN Mack		6. COUNTY Mesa	
	7. STREAM BED ELEV. 17.2*				8. TOP OF DAM ELEV. 36.0*		9. SPILLWAY CREST ELEV. 33.0*	
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					April 1954		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION					April 1954		
	e. CONSERVATION	33.0*	4.70	27.25	27.25			
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR .13 MILES				18. AV. WIDTH OF RESERVOIR .03 MILES			
	19. TOTAL DRAINAGE AREA .484 SQ. MI.				20. MEAN ANNUAL PRECIPITATION 8.3 (Fruita) INCHES			
	21. NET SEDIMENT CONTRIBUTING AREA .477 SQ. MI.				22. MEAN ANNUAL RUNOFF 0.58 INCHES			
	23. LENGTH 0.78 MILES				24. AV. WIDTH 0.62 MILES			
	25. MAX. ELEV. -				26. MIN. ELEV. 17.2*			
SURVEY DATA	27. CLIMATIC CLASSIFICATION arid							
	28. DATE OF SURVEY	29. PERIOD YEARS	30. ACCL. YEARS	31. TYPE OF SURVEY	32. NO. OF RANGES OR CONTOUR INT.	33. SURFACE AREA ACRES	34. CAPACITY ACRE- FEET	35. C/W RATIO AC- FT. PER SQ. MI.
	Apr. 1, 1954	-		Contour & range detailed	1 ft.	4.70	27.25	56.4
	Nov. 6, 1956	2.6	2.6		4.70	24.85	51.4	
	Oct. 23, 1957	1.0	3.6		4.70	23.44	48.5	
	Nov. 10, 1959	2.0	5.6		4.70	22.26	46.0	
	26. DATE OF SURVEY	36. PERIOD ANNUAL PRECIPITATION	37. PERIOD WATER INFLOW ACRE- FEET			38. WATER INFL. TO DATE AC- FT.		
			a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	d. MEAN ANNUAL	e. TOTAL TO DATE	
	Apr. 1, 1954	-			-			-
	Nov. 6, 1956	14.67	16.60	15.50	43.24	16.62	43.24	
	Oct. 23, 1957	11.37	22.90	22.90	22.90	18.37	66.14	
	Nov. 10, 1959	14.88	8.17	14.90	16.34	14.71	82.48	
	28. DATE OF SURVEY	39. PERIOD SEDIMENT DEPOSITS ACRE- FEET			40. 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		
Apr. 1, 1954	-			-				
Nov. 6, 1956	2.40	0.92	1.93	2.40	0.92	1.93		
Oct. 23, 1957	1.41	1.41	2.96	3.81	1.06	2.22		
Nov. 10, 1959	1.18	.59	1.24	4.99	.89	1.87		
28. DATE OF SURVEY	39. AV. DRY WGT. LBS. PER CU. FT.	40. SEQ. 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	
Apr. 1, 1954								
Nov. 6, 1956				3.7	8.8			
Oct. 23, 1957				4.2	14.0			
Nov. 10, 1959				3.4	18.3			

*Assumed datum

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION											
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											

28. 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 in process of publication.

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

49. DATE April 27, 1962