

UNITED STATES
DEPARTMENT OF THE INTERIOR
RESERVOIR SEDIMENTATION
DATA SUMMARY

Middle Basin (12)

GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

63-5

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER USDI - BLM			2. NAME Badger Wash		3. STATE Colorado		
	4. SEC. 30 TWP. 7S RANGE 103W			5. NEAREST TOWN Mack		6. COUNTY Mesa		
	7. STREAM BED ELEV. 17.3*			8. TOP OF DAM ELEV. 34.0*		9. SPILLWAY CREST ELEV. 31.7*		
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							
	e. CONSERVATION	31.7*		2.65	16.93	16.93	April 1954	
f. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR .14 MILES		AV. WIDTH OF RESERVOIR .03 MILES					
	18. TOTAL DRAINAGE AREA .092 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 8.3 (Fruita) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA .088 SQ. MI.		23. MEAN ANNUAL RUNOFF 1.20 INCHES					
	20. LENGTH .53 MILES	AV. WIDTH .17 MILES	24. MEAN ANNUAL RUNOFF 5.65 AC.-FT.					
	21. MAX. ELEV. -	MIN. ELEV. 17.3*	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.
	Apr. 1, 1954	-		Topo	1 ft.	2.65	16.93	184
	Nov. 6, 1956	2.6	2.6	and ranges		2.65	15.87	172
	Oct. 23, 1957	1.0	3.6	detailed		2.65	15.38	167
	Nov. 10, 1959	2.0	5.6			2.65	15.32	167
	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	
	Apr. 1, 1954				-		-	
	Nov. 6, 1956	18.10	6.84	8.15	17.75	6.84	17.75	
	Oct. 23, 1957	12.36	10.27	10.27	10.27	7.79	28.02	
	Nov. 10, 1959	14.16	1.80	2.47	3.61	5.65	31.63	
	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	
Apr. 1, 1954	-			-				
Nov. 6, 1956	1.06	0.41	4.66	1.06	0.41	4.66		
Oct. 23, 1957	.49	.49	5.57	1.55	.43	4.88		
Nov. 10, 1959	.06	.03	.34	1.61	.29	3.30		
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	
Apr. 1, 1954					-			
Nov. 6, 1956				2.6	6.3 ✓			
Oct. 23, 1957				2.8	9.2 ✓			
Nov. 10, 1959				1.7	9.5 ✓			

* 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													

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 in process of publication.

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

49. DATE April 26, 1962