

RESERVOIR SEDIMENTATION
DATA SUMMARY

Badger Wash West Twin (2A)

63-2

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER USDI - BLM		2. RIVER Badger Wash		3. STATE Colorado			
	4. SEC. 36 TWP. 8S RANGE 104W		5. NEAREST TOWN Mack		6. COUNTY Mesa			
	7. STREAM BED ELEV. 4935.4		8. TOP OF DAM ELEV. 4948		9. SPILLWAY CREST ELEV. 4945.3			
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					Dec. 1953		
	b. POWER							
	c. WATER SUPPLY							
	d. IRRIGATION							
	e. CONSERVATION	4945.3	1.39	6.30	6.30	16. DATE NORMAL OPER. BEGAN		
f. INACTIVE					Dec. 1953			
WATERSHED	17. LENGTH OF RESERVOIR 0.09 MILES		AV. WIDTH OF RESERVOIR .02 MILES					
	18. TOTAL DRAINAGE AREA 0.167 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 8.3 (Fruita) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.165 SQ. MI.		23. MEAN ANNUAL RUNOFF 0.74 INCHES					
	20. LENGTH 0.80 MILES AV. WIDTH 0.21 MILES		24. MEAN ANNUAL RUNOFF 6.58 AC.-FT.					
	21. MAX. ELEV. 5142 MIN. ELEV. 4935.4		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.
	Dec. 20, 1953	-	-	Contour & ranges detailed	1 ft.	1.39	6.30	37.7
	July 25, 1955	1.6	1.6		1.39	11.47	26.8	
	Nov. 6, 1956	1.4	3.0		1.39	4.47	26.8	
	Oct. 25, 1957	1.0	4.0		1.39	3.98	23.8	
	Nov. 2, 1958	1.0	5.0		1.39	3.98	23.8	
	Nov. 10, 1959	1.0	6.0		1.39	3.65	21.8	
	Nov. 2, 1961	2.0	8.0		1.39	2.43	14.5	
	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	
	July 25, 1955	11.75	11.01	9.90	17.61	11.01	17.61	
	Nov. 6, 1956	6.91	2.30	3.07	3.22	6.94	20.83	
	Oct. 25, 1957	13.88	12.05	12.05	12.05	8.22	32.88	
	Nov. 2, 1958	8.83	.13	.13	.13	6.60	33.01	
	Nov. 10, 1959	5.80	5.10	5.10	5.10	6.35	38.11	
Nov. 2, 1961	18.10	7.28	13.75	14.55	6.58	52.66		
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		
July 25, 1955	1.83	1.14	6.91	1.83	1.14	6.91		
Nov. 6, 1956	0	0	0	1.83	.61	3.70		
Oct. 25, 1957	.49	.49	2.97	2.32	.58	3.51		
Nov. 2, 1958	0	0	0	2.32	.46	2.79		
Nov. 10, 1958	.33	.33	2.00	2.65	.44	2.67		
Nov. 2, 1961	1.22	.61	3.70	3.87	.48	2.91		
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	
July 25, 1955				18.1	29.0			
Nov. 6, 1956				9.7	29.0			
Oct. 25, 1957				9.2	36.8			
Nov. 2, 1958				7.4	36.8			
Nov. 10, 1958				7.0	42.0			
Nov. 2, 1961				7.7	61.5			

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 given 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