

UNITED STATES
DEPARTMENT OF THE INTERIOR
RESERVOIR SEDIMENTATION
DATA SUMMARY

East Basin (11)
NAME OF RESERVOIR

GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
63-4
DATA SHEET NO.

| DAM | 1. OWNER USDI - BLM | | | 2. NAME Badger Wash | | | 3. STATE Colorado | | | | | | | | | |
|--------------------|---|-----------------------------------|---|------------------------------------|---|---|-------------------------------|---------------------------------|-----------------------------------|---------------------|-----------------------------|-------|-------------------------|--|-----------------------------------|--|
| | 4. SEC. 25 TWP. 7S RANGE 104W | | | 5. NEAREST TOWN Mack | | | 6. COUNTY Mesa | | | | | | | | | |
| | 7. STREAM BED ELEV. 19.5* | | | 8. TOP OF DAM ELEV. 34.0* | | | 9. SPILLWAY CREST ELEV. 27.1* | | | | | | | | | |
| 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 | | 27.1* | | 1.52 | | 5.45 | | 5.45 | | April 1954 | | | | | |
| | f. INACTIVE | | | | | | | | | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR .06 MILES | | | | AV. WIDTH OF RESERVOIR .04 MILES | | | | | | | | | | | |
| | 18. TOTAL DRAINAGE AREA .089 SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION 8.3 (Fruita) INCHES | | | | | | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA .087 SQ. MI. | | | | 23. MEAN ANNUAL RUNOFF 1.04 INCHES | | | | | | | | | | | |
| | 20. LENGTH .35 MILES | | AV. WIDTH .26 MILES | | 24. MEAN ANNUAL RUNOFF 4.8 AG.-FT. | | | | | | | | | | | |
| | 21. MAX. ELEV. - | | MIN. ELEV. 19.5* | | 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. | | 1.52 | | 5.45 | | 61.3 | |
| | Nov. 6, 1956 | | 2.6 | | 2.6 | | range | | | | 1.52 | | 4.92 | | 55.3 | |
| | Oct. 23, 1957 | | 1.0 | | 3.6 | | detailed | | | | 1.52 | | 4.76 | | 53.5 | |
| | Nov. 10, 1959 | | 2.0 | | 5.6 | | | | | | 1.52 | | 4.65 | | 52.3 | |
| | 26. DATE OF SURVEY | | 34. PERIOD ANNUAL PRECIPITATION | | 35. PERIOD WATER INFLOW ACRE- FEET | | | 36. WATER INFL. TO DATE AG.-FT. | | | | | | | | |
| | | | | | a. MEAN ANNUAL | | b. MAX. ANNUAL | c. PERIOD TOTAL | | d. MEAN ANNUAL | e. TOTAL TO DATE | | | | | |
| | Apr. 1, 1954 | | - | | | | | - | | - | | | | | | |
| | Nov. 6, 1956 | | 18.76 | | 4.6 | | 6.16 | 11.93 | | 4.6 | | 11.93 | | | | |
| | Oct. 23, 1957 | | 13.89 | | 10.5 | | 10.47 | 10.47 | | 6.2 | | 22.40 | | | | |
| | Nov. 10, 1959 | | 15.72 | | 2.1 | | 4.00 | 4.26 | | 4.8 | | 26.66 | | | | |
| | 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 | | d. TOTAL TO DATE | e. AV. ANNUAL | f. PER SQ. MI.-YEAR | | | | | | |
| | Apr. 1, 1954 | | - | | | | | - | 0.20 | 2.30 | | | | | | |
| | Nov. 6, 1956 | | 0.53 | | .20 | 2.30 | | 0.53 | .19 | 2.18 | | | | | | |
| Oct. 23, 1957 | | .16 | | .16 | 1.84 | | .69 | .14 | 1.61 | | | | | | | |
| Nov. 10, 1959 | | .11 | | .06 | .69 | | .80 | | | | | | | | | |
| 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 | | | | | | | ✓ 3.7 | 9.7 | | | | | | | | |
| Oct. 23, 1957 | | | | | | | ✓ 3.5 | 12.6 | | | | | | | | |
| Nov. 10, 1959 | | | | | | | ✓ 2.6 | 14.7 | | | | | | | | |

* 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 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

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|-----------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 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