

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

December 31, 2023

All Contents in Acre-Feet

| RESERVOIR | TOTAL CAPACITY (includes dead storage)* | CONTENTS | | | | % CAPACITY | %AVERAGE | READING DATE | ELEVATION | COMMENTS | |
|-----------------------------|--|-----------|---------------|-----------|------------|------------|----------|-----------------|-----------|--------------------------|---------|
| | | Full Pool | 30 YR AVERAGE | Last Year | Last Month | | | | | | PRESENT |
| | | Contents | 1992- 2022 | Dec-22 | Nov-23 | | | | | | Dec-23 |
| | December | | | | | | | feet | | | |
| Clark Fork Basin | | | | | | | | | | | |
| E.F. ROCK CREEK | 16,040 | 7,748 | 7,405 | 7,376 | 8,117 | 51 | 105 | 1/2/2024 | 6,032.4 | | |
| NEVADA CREEK | 11,207 | 5,282 | 4,320 | 4,237 | 4,595 | 41 | 87 | 12/31/2023 | 4,594.7 | | |
| W.F. BITTERROOT | 32,362 | 7,375 | 8,379 | 7,331 | 7,810 | 24 | 106 | 12/28/2023 | 4,669.2 | | |
| Lower Missouri Basin | | | | | | | | | | | |
| ACKLEY | 6,722 | 3,050 | 3,002 | 4,296 | 4,273 | 64 | 140 | 12/21/2023 | 4,307.6 | 3,272 AF active storage | |
| BAIR | 7,300 | 3,273 | 1,611 | 5,025 | 4,688 | 64 | 143 | 1/2/2024 | 5,313.9 | | |
| DEADMAN'S BASIN | 75,968 | 43,185 | 31,578 | 64,365 | 64,111 | 84 | 148 | 1/2/2024 | 3,915.1 | 60,361 AF active storage | |
| FRENCHMAN | 2,777 | 1,847 | -- | 1,214 | -- | -- | -- | -- | -- | Not Reported | |
| MARTINSDALE | 23,348 | 9,285 | 3,523 | 16,545 | 16,177 | 69 | 174 | 1/2/2024 | 4,771.2 | | |
| N.F.K. SMITH RIVER | 11,406 | 5,754 | 3,817 | 8,388 | 8,513 | 75 | 148 | 12/22/2023 | 5,478.6 | | |
| YELLOWWATER | 3,842 | 1,713 | 655 | 1,187 | 1,118 | 29 | 65 | 12/27/2023 | 3,109.1 | | |
| Upper Missouri Basin | | | | | | | | | | | |
| MIDDLE CREEK | 10,184 | 5,742 | 5,445 | 5,267 | 5,371 | 53 | 94 | 1/2/2024 | 6,696.4 | | |
| NILAN | 10,992 | 5,605 | -- | 6,912 | 7,400 | 67 | 132 | 1/2/2024 | 4,434.9 | 6,500 AF active storage | |
| RUBY RIVER | 37,612 | 21,143 | 26,564 | 27,391 | 29,927 | 80 | 142 | 1/2/2024 | 5,384.8 | | |
| WILLOW CREEK | 18,000 | 9,971 | 11,039 | 6,386 | 8,234 | 46 | 83 | 1/2/2024 | 4,721.3 | | |
| Yellowstone Basin | | | | | | | | | | | |
| COONEY | 28,230 | 18,082 | 19,046 | 21,062 | 21,032 | 75 | 116 | 1/2/2024 | 4,242.1 | 20,942 AF active storage | |
| COTTONWOOD | 1,900 | 773 | 182 | 1,202 | -- | -- | -- | -- | -- | Not Reported | |
| TONGUE RIVER | 79,071 | 44,746 | 46,275 | 49,658 | 49,111 | 62 | 110 | 1/2/2024 | 3,419.1 | | |

* Note: Water elevation is in the local project datum.

* Note: Reservoir contents include dead storage at the following:

Ackley 1001 AF **
Cooney 90 AF **
Deadman's 3750 AF **
Nilan 900 AF **

** O&M slope storage table does not include dead storage (so dead storage has to be added into the storage from the table)
Tongue River 711 AF (O&M storage table includes dead storage)
W. F. Bitterroot 656 AF (O&M storage table includes dead storage)
Willow Creek 269 AF (O&M storage table includes dead storage)

* Note: Cooney capacity reflects capacity after 1982 dam rehabilitation; prior capacity was 24,195 A.F. Average storage shown is for post rehabilitation data.

* Note: Middle Creek capacity reflects capacity after 1993 dam rehabilitation; prior capacity was 8,027 A.F. Average storage shown is for post rehabilitation data.

* Note: Nevada Creek Reservoir Capacity reflects live storage capacity survey conducted in year 2000. Prior live storage capacity documented as 12,723 AF.

* Note: Tongue River capacity reflects capacity after 1999 dam rehabilitation; prior capacity was 68,040 A.F. Average storage is post rehabilitation data.

* Note: Frenchman Reservoir capacity tables updated based on aerial survey; prior capacity was 3752 A.F. Average shown is from 2008 forward.