

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

December 31, 2018

All Contents in Acre-Feet

| RESERVOIR | TOTAL CAPACITY (includes dead storage)* | CONTENTS | | | | | | READING DATE | COMMENTS |
|-----------------------------|--|-----------------------------|------------|------------|------------|------------|--------------|-----------------|--|
| | | 30 YR AVERAGE | Last Year | Last Month | PRESENT | % CAPACITY | %AVERAGE | | |
| | | 1987 - 2017 for December | 12/31/2017 | 11/30/2018 | 12/31/2018 | 12/31/2018 | for December | | |
| Clark Fork Basin | | | | | | | | | |
| E.F. ROCK CREEK | 16,040 | 7,746 | 7,251 | 6,271 | 7,038 | 44 | 91 | 1/3/2019 | elev. = 6,028.7 ft |
| NEVADA CREEK | 11,207 | 4,938 | 6,164 | 5,977 | 6,480 | 58 | 131 | 1/1/2019 | elev. = 4,601.68 ft |
| W.F. BITTERROOT | 32,362 | 6,865 | 9,053 | 8,108 | 7,158 | 22 | 104 | 12/28/2018 | elev. = 4,666.79 ft |
| Lower Missouri Basin | | | | | | | | | |
| ACKLEY | 6,722 | 2,946 | -- | 4,331 | 4,331 | 64 | 147 | --- | *Estimated; elev. = 4,307.86 ft (3,330 AF) |
| BAIR | 7,300 | 3,109 | 2,508 | 5,034 | 4,775 | 65 | 154 | 1/3/2019 | elev. = 5,314.3 ft |
| DEADMAN'S BASIN | 75,968 | 39,552 | 51,701 | 60,440 | 62,712 | 83 | 159 | 1/3/2019 | elev. = 3,914.4 ft (58,962 AF) |
| FRENCHMAN | 2,777 | 1,829 | -- | -- | -- | -- | -- | -- | Not Reported |
| MARTINSDALE | 23,348 | 8,429 | -- | 16,922 | 16,922 | 72 | 201 | --- | *Estimated; elev. = 4,772.06 ft |
| N.F.K. SMITH RIVER | 11,406 | 5,068 | -- | 8,422 | 8,422 | 74 | 166 | --- | *Estimated; elev. = 5,478.27 ft |
| YELLOWWATER | 3,842 | 1,478 | -- | 2,956 | 2,835 | 74 | 192 | 12/15/2018 | elev. = 3,115.67 ft |
| Upper Missouri Basin | | | | | | | | | |
| MIDDLE CREEK | 10,184 | 5,794 | 5,326 | 5,450 | 5,368 | 53 | 93 | 1/3/2019 | elev. = 6,696.4 ft |
| NILAN | 10,992 | 5,849 | -- | 8,694 | -- | -- | -- | -- | Not Reported |
| RUBY RIVER | 37,612 | 20,283 | 23,515 | 19,258 | 22,224 | 59 | 110 | 1/3/2019 | elev. = 5,375.3 ft |
| WILLOW CREEK | 18,000 | 9,897 | 10,390 | 8,193 | 9,241 | 51 | 93 | 12/24/2018 | elev. = 4,723.06 ft |
| Yellowstone Basin | | | | | | | | | |
| COONEY | 28,230 | 18,080 | 21,028 | 18,239 | 17,979 | 64 | 99 | 1/3/2019 | elev. = 4,237.6 ft (17,889 AF) |
| COTTONWOOD | 1,900 | 796 | -- | 1,370 | -- | -- | -- | -- | elev. = ft |
| TONGUE RIVER | 79,071 | 44,684 | 48,220 | 49,270 | 48,952 | 62 | 110 | 1/3/2019 | elev. = 3,419.0 ft |

* 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.