

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

August 31, 2023

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS						READING DATE	ELEVATION	COMMENTS	
		Full Pool	30 YR AVERAGE	Last Year	Last Month	PRESENT	% CAPACITY				% AVERAGE
		Contents	1992- 2022	Aug-22	Jul-23	Aug-23	Aug-23				Aug-23
	August							feet			
Clark Fork Basin											
E.F. ROCK CREEK	16,040	6,322	4,646	12,486	5,879	37	93	8/31/2023	6,024.4		
NEVADA CREEK	11,207	5,690	5,781	9,213	5,201	46	91	8/29/2023	4,597.1		
W.F. BITTERROOT	32,362	16,670	17,065	30,569	14,818	46	89	8/29/2023	4,690.9		
Lower Missouri Basin											
ACKLEY	6,722	3,472	3,149	5,428	4,833	72	139	8/29/2023	4,310.1	3,832 AF active storage	
BAIR	7,300	3,256	1,298	7,204	6,525	89	200	8/31/2023	5,322.1		
DEADMAN'S BASIN	75,968	39,915	22,174	75,350	65,887	87	165	8/31/2023	3,916.0	62,137 AF active storage	
FRENCHMAN	2,777	1,764	1,347	1,025	798	29	45	8/31/2023	2,260.4		
MARTINSDALE	23,348	10,585	4,791	22,384	19,688	84	186	8/31/2023	4,775.4		
N.FK. SMITH RIVER	11,406	5,673	2,995	10,743	8,357	73	147	8/31/2023	5,478.0		
YELLOWWATER	3,842	1,915	672	1,299	1,170	30	61	8/23/2023	3,109.4		
Upper Missouri Basin											
MIDDLE CREEK	10,184	6,626	6,802	9,467	7,083	70	107	8/31/2023	6,706.9		
NILAN	10,992	6,143	2,766	9,139	8,184	74	133	8/31/2023	4,436.7	7,284 AF active storage	
RUBY RIVER	37,612	16,237	20,815	32,732	24,080	64	148	8/29/2023	5,377.7		
WILLOW CREEK	18,000	10,156	9,206	12,761	11,383	63	112	8/31/2023	4,726.8		
Yellowstone Basin											
COONEY	28,230	18,616	21,169	27,540	23,160	82	124	8/31/2023	4,245.0	23,070 AF active storage	
COTTONWOOD	1,900	716	121	1,899	1,907	100	266	8/31/2023	5,102.5		
TONGUE RIVER	79,071	48,065	49,184	76,751	65,324	83	136	8/31/2023	3,424.5		

* 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.