

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

May 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	May-22	Apr-23	May-23	May-23				May-23
		May							feet		
Clark Fork Basin											
E.F. ROCK CREEK	16,040	11,657	10,177	9,122	14,372	90	123	5/31/2023	6,051.2		
NEVADA CREEK	11,207	10,750	9,071	9,674	11,141	99	104	6/1/2023	4,615.8		
W.F. BITTERROOT	32,362	33,100	33,806	12,467	33,132	102	100	6/1/2023	4,726.7		
Lower Missouri Basin											
ACKLEY	6,722	4,850	2,682	3,287	5,583	83	115	5/30/2023	4,313.4	4,582 AF active storage	
BAIR	7,300	5,349	2,880	4,310	6,710	92	125	5/31/2023	5,322.8		
DEADMAN'S BASIN	75,968	55,664	41,030	54,371	75,846	100	136	5/31/2023	3,920.9	72,096 AF active storage	
FRENCHMAN	2,777	2,774	2,777	--	2,702	97	97	5/31/2023	2,264.5		
MARTINSDALE	23,348	16,155	10,285	8,374	23,282	100	144	5/26/2023	4,779.2		
N.FK. SMITH RIVER	11,406	10,190	6,667	8,493	11,542	101	113	5/26/2023	5,488.4		
YELLOWWATER	3,842	2,154	1,187	1,101	964	25	45	5/25/2023	3,108.2		
Upper Missouri Basin											
MIDDLE CREEK	10,184	9,455	8,729	5,897	9,860	97	104	5/31/2023	6,719.7		
NILAN	10,992	8,748	5,377	4,823	9,250	84	106	5/31/2023	4,439.1	8,350 AF active storage	
RUBY RIVER	37,612	36,743	38,545	32,951	38,478	102	105	5/31/2023	5,393.8		
WILLOW CREEK	18,000	16,195	13,778	13,220	14,415	80	89	5/31/2023	4,731.5		
Yellowstone Basin											
COONEY	28,230	25,284	28,609	26,055	28,104	100	111	5/31/2023	4,250.9	28,014 AF active storage	
COTTONWOOD	1,900	1,667	824	2,024	1,995	105	120	6/2/2023	5,102.9		
TONGUE RIVER	79,071	74,654	75,872	64,226	81,485	103	109	5/31/2023	3,429.0		

* 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.