

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

October 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	Oct-22	Sep-23						Oct-23
		October						feet			
Clark Fork Basin											
E.F. ROCK CREEK	16,040	6,239	6,124	5,531	6,550	41	105	10/31/2023	6,026.9		
NEVADA CREEK	11,207	4,257	3,374	3,292	3,598	32	85	10/31/2023	4,590.2		
W.F. BITTERROOT	32,362	7,276	7,961	6,660	6,021	19	83	11/2/2023	4,662.0		
Lower Missouri Basin											
ACKLEY	6,722	2,892	3,002	4,440	4,414	66	153	10/30/2023	4,308.2	3,413 AF active storage	
BAIR	7,300	3,040	1,387	5,360	5,157	71	170	10/31/2023	5,316.2		
DEADMAN'S BASIN	75,968	38,375	24,505	62,781	64,799	85	169	10/31/2023	3,915.4	61,049 AF active storage	
FRENCHMAN	2,777	1,747	2,062	873	2,062	74	118	10/24/2023	2,263.3		
MARTINSDALE	23,348	9,260	2,679	17,456	16,944	73	183	10/31/2023	4,772.1		
N.FK. SMITH RIVER	11,406	5,116	3,269	7,455	7,621	67	149	10/23/2023	5,475.4		
YELLOWWATER	3,842	1,663	577	1,101	1,101	29	66	10/24/2023	3,109.0		
Upper Missouri Basin											
MIDDLE CREEK	10,184	5,542	5,433	5,599	5,397	53	97	10/31/2023	6,696.6		
NILAN	10,992	5,066	2,490	6,940	6,877	63	136	10/31/2023	4,433.6	5,977 AF active storage	
RUBY RIVER	37,612	14,106	18,845	17,783	23,235	62	165	10/31/2023	5,376.6		
WILLOW CREEK	18,000	8,305	7,720	10,178	8,406	47	101	10/31/2023	4,721.6		
Yellowstone Basin											
COONEY	28,230	16,886	17,413	20,546	20,998	74	124	10/31/2023	4,242.1	20,908 AF active storage	
COTTONWOOD	1,900	750	182	1,751	1,900	100	253	10/17/2023	5,102.5		
TONGUE RIVER	79,071	44,029	42,713	60,743	56,388	71	128	10/31/2023	3,421.6		

* 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.