

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

January 31, 2021

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		
		1990- 2020 for January	1/31/2020	12/31/2020	1/31/2021	1/31/2021	for January		
Clark Fork Basin									
E.F. ROCK CREEK	16,040	8,313	9,035	8,474	8,981	56	108	2/1/2021	elev. = 6,035.3 ft
NEVADA CREEK	11,207	5,708	6,366	6,424	6,960	62	122	1/31/2021	elev. = 4,603.3 ft
W.F. BITTERROOT	32,362	7,077	8,270	5,638	5,683	18	80	1/28/2021	elev. = 4,660.53 ft
Lower Missouri Basin									
ACKLEY	6,722	2,949	4,296	3,287	3,346	50	113	2/1/2021	elev. = 4,303.1 ft (2,345 AF)
BAIR	7,300	3,505	5,372	4,043	4,156	57	119	2/1/2021	elev. = 5,311.0 ft
DEADMAN'S BASIN	75,968	44,734	66,045	62,023	64,460	85	144	2/1/2021	elev. = 3,915.2 ft (60,710 AF)
FRENCHMAN	2,777	2,000	NR	2,416	2,717	98	136	1/28/2021	elev. = 2,264.5 ft
MARTINSDALE	23,348	9,432	16,635	13,739	14,384	62	152	2/4/2021	elev. = 4,768.82 ft
N.F.K. SMITH RIVER	11,406	5,891	8,051	7,406	7,780	68	132	2/2/2021	elev. = 5,476.0 ft
YELLOWWATER	3,842	1,570	2,976	2,889	2,878	75	183	1/27/2021	elev. = 3,115.8 ft
Upper Missouri Basin									
MIDDLE CREEK	10,184	5,764	5,419	5,529	5,456	54	95	2/1/2021	elev. = 6,697.0 ft
NILAN	10,992	6,306	7,722	--	--	--	--	--	Not measured - Reservoir was emptied in the fall.
RUBY RIVER	37,612	24,737	25,421	21,270	24,833	66	100	2/1/2021	elev. = 5,378.7 ft
WILLOW CREEK	18,000	11,485	10,018	8,640	9,560	53	83	1/12/2021	elev. = 4,723.62 ft; mid-month measurement
Yellowstone Basin									
COONEY	28,230	18,569	18,113	17,566	18,362	65	99	2/1/2021	elev. = 4,238.2 ft (18,272 AF)
COTTONWOOD	1,900	808	1,020	728	765	40	95	1/28/2021	elev. = 5,095.91 ft
TONGUE RIVER	79,071	46,049	47,489	39,131	40,928	52	89	2/1/2021	elev. = 3,415.9 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.