

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

December 31, 2020

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		
		1989- 2019 for December	12/31/2019	11/30/2020	12/31/2020	12/31/2020	for December		
Clark Fork Basin									
E.F. ROCK CREEK	16,040	7,747	8,475	7,939	8,474	53	109	12/31/2020	elev. = 6,033.6 ft
NEVADA CREEK	11,207	5,301	5,865	5,856	6,424	57	121	1/1/2021	elev. = 4,601.49 ft
W.F. BITTERROOT	32,362	6,943	8,907	7,701	5,638	17	81	12/30/2020	elev. = 4,660.31 ft
Lower Missouri Basin									
ACKLEY	6,722	3,060	4,296	3,276	3,287	49	107	12/31/2020	elev. = 4,302.77 ft (2,286 AF)
BAIR	7,300	3,361	5,214	3,920	4,043	55	120	12/31/2020	elev. = 5,310.3 ft
DEADMAN'S BASIN	75,968	42,290	65,952	57,492	62,023	82	147	12/31/2020	elev. = 3,914.0 ft (58,273 AF)
FRENCHMAN	2,777	1,829	NR	1,271	2,416	87	132	12/28/2020	elev. = 2,264.00 ft
MARTINSDALE	23,348	9,243	NR	13,193	13,739	59	149	1/7/2021	elev. = 4,767.92 ft
N.F.K. SMITH RIVER	11,406	5,533	7,876	6,995	7,406	65	134	1/6/2021	elev. = 5,474 ft
YELLOWWATER	3,842	1,654	2,943	2,969	2,889	75	175	1/4/2021	elev. = 3,115.83 ft
Upper Missouri Basin									
MIDDLE CREEK	10,184	5,763	5,444	5,360	5,529	54	96	12/31/2020	elev. = 6,697.5 ft
NILAN	10,992	5,668	NR	--	--	--	--	--	Not measured - Reservoir was emptied in the fall.
RUBY RIVER	37,612	20,634	22,545	17,756	21,270	57	103	12/31/2020	elev. = 5,374.0 ft
WILLOW CREEK	18,000	10,116	9,660	7,114	8,640	48	85	12/17/2020	elev. = 4,722.0 ft
Yellowstone Basin									
COONEY	28,230	18,022	18,146	17,844	17,566	62	97	12/31/2020	elev. = 4,237.0 ft (17,476 AF)
COTTONWOOD	1,900	818	1,081	728	728	38	89	1/4/2020	elev. = 5,095.55 ft; Estimated due to snow and ice
TONGUE RIVER	79,071	45,063	47,986	38,869	39,131	49	87	12/31/2020	elev. = 3,415.1 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.