

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

December 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 December	12/31/2020	11/30/2021	12/31/2021	12/31/2021	for December		
Clark Fork Basin									
E.F. ROCK CREEK	16,040	7,776	8,474	6,739	7,406	46	95	12/31/2021	elev. = 6,029.95 ft
NEVADA CREEK	11,207	5,339	6,424	3,982	4,595	41	86	12/31/2021	elev. = 4,594.66 ft
W.F. BITTERROOT	32,362	6,901	5,638	8,531	9,272	29	134	12/28/2021	elev. = 4,674.6 ft
Lower Missouri Basin									
ACKLEY	6,722	3,069	3,287	2,613	2,613	39	85	1/6/2022	elev. = 4,298.68 ft (1,612 AF)
BAIR	7,300	3,386	4,043	2,372	2,453	34	72	12/31/2021	elev. = 5,299.26 ft
DEADMAN'S BASIN	75,968	43,511	62,023	31,654	--	--	--	--	<i>Not Reported</i>
FRENCHMAN	2,777	1,903	2,416	1,404	1,404	51	74	12/30/2021	elev. = 2,262 ft
MARTINSDALE	23,348	9,383	13,739	7,872	--	--	--	--	<i>Not Reported</i>
N.F.K. SMITH RIVER	11,406	5,704	7,406	3,776	--	--	--	--	<i>Not Reported</i>
YELLOWWATER	3,842	1,705	2,889	1,503	1,503	39	88	1/7/2022	elev. = 3,110.9 ft
Upper Missouri Basin									
MIDDLE CREEK	10,184	5,754	5,529	5,388	--	--	--	--	<i>Not Reported</i>
NILAN	10,992	5,668	--	4,112	4,401	40	78	12/31/2021	elev. = 4,425.92 ft (3,501 AF)
RUBY RIVER	37,612	20,840	21,270	15,687	19,294	51	93	12/31/2021	elev. = 5,371.0 ft
WILLOW CREEK	18,000	10,046	8,640	7,039	8,703	48	87	12/31/2021	elev. = 4,722.12 ft
Yellowstone Basin									
COONEY	28,230	17,924	17,566	18,440	19,537	69	109	12/31/2021	elev. = 4,239.98 ft (19,447 AF)
COTTONWOOD	1,900	818	728	187	--	--	--	--	<i>Not Reported</i>
TONGUE RIVER	79,071	44,780	39,131	41,406	42,494	54	95	12/31/2021	elev. = 3,416.54 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.