

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

October 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 October	10/31/2019	9/30/2020	10/31/2020	10/31/2020	for October		
Clark Fork Basin									
E.F. ROCK CREEK	16,040	6,057	6,989	6,201	7,114	44	117	10/30/2020	elev. = 6,028.9 ft
NEVADA CREEK	11,207	4,444	4,135	3,562	4,320	39	97	10/26/2020	elev. = 4,593.51 ft
W.F. BITTERROOT	32,362	6,850	8,677	7,296	8,222	25	120	10/29/2020	elev. = 4,670.72 ft
Lower Missouri Basin									
ACKLEY	6,722	2,891	4,296	3,346	3,346	50	116	11/1/2020	elev. = 4,303.1 ft (2,345 AF)
BAIR	7,300	3,107	4,720	3,774	3,733	51	120	10/30/2020	elev. = 5,308.5 ft
DEADMAN'S BASIN	75,968	37,694	67,085	48,854	51,881	68	138	10/30/2020	elev. = 3,908.7 ft (48,131 AF)
FRENCHMAN	2,777	1,786	2,663	1,910	1,347	49	75	10/29/2020	elev. = 2,261.85 ft
MARTINSDALE	23,348	9,214	NR	12,476	15,551	67	169	10/29/2020	elev. = 4770.39 ft
N.F.K. SMITH RIVER	11,406	4,964	7,213	6,305	6,383	56	129	10/29/2020	elev. = 5,470.72 ft
YELLOWWATER	3,842	1,598	3,106	3,171	3,187	83	199	11/4/2020	elev. = 3,116.75 ft
Upper Missouri Basin									
MIDDLE CREEK	10,184	5,541	5,358	5,500	5,413	53	98	10/30/2020	elev. = 6,696.7 ft
NILAN	10,992	5,370	5,314	1,502	900	8	17	11/4/2020	Estimated visually. Reservoir is empty except for dead storage.
RUBY RIVER	37,612	13,396	16,885	10,493	14,085	37	105	10/30/2020	elev. = 5,361.9 ft
WILLOW CREEK	18,000	8,567	6,897	3,883	6,294	35	73	11/5/2020	elev. = 4,716.89 ft
Yellowstone Basin									
COONEY	28,230	16,913	17,509	18,137	18,282	65	108	10/30/2020	elev. = 4,238.1 ft (18,192 AF)
COTTONWOOD	1,900	808	NR	739	849	45	105	11/6/2020	elev. = 5,096.62 ft
TONGUE RIVER	79,071	44,599	46,947	36,769	37,984	48	85	10/30/2020	elev. = 3,414.6 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.