

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

September 30, 2023

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS						READING DATE	ELEVATION feet	COMMENTS	
		Full Pool	30 YR AVERAGE	Last Year	Last Month	PRESENT	% CAPACITY				% AVERAGE
		Contents	1992- 2022 September	Sep-22	Aug-23	Sep-23	Sep-23				Sep-23
Clark Fork Basin											
E.F. ROCK CREEK	16,040	5,729	5,297	5,879	5,531	34	97	9/30/2023	6,023.0		
NEVADA CREEK	11,207	3,869	2,923	5,201	3,292	29	85	9/29/2023	4,588.7		
W.F. BITTERROOT	32,362	7,636	8,479	14,818	6,660	21	87	9/20/2023	4,664.8		
Lower Missouri Basin											
ACKLEY	6,722	3,116	2,679	4,833	4,440	66	142	10/3/2023	4,308.4	3,439 AF active storage	
BAIR	7,300	2,914	1,184	6,525	5,360	73	184	9/30/2023	5,317.2		
DEADMAN'S BASIN	75,968	37,314	21,148	65,887	62,781	83	168	9/30/2023	3,914.4	59,031 AF active storage	
FRENCHMAN	2,777	1,661	873	798	873	31	53	9/26/2023	2,260.6		
MARTINSDALE	23,348	9,356	1,947	19,688	17,456	75	187	9/30/2023	4,772.7		
N.FK. SMITH RIVER	11,406	4,871	2,635	8,357	7,455	65	153	9/28/2023	5,474.8		
YELLOWWATER	3,842	1,817	586	1,170	1,101	29	61	9/25/2023	3,109.1		
Upper Missouri Basin											
MIDDLE CREEK	10,184	5,652	5,866	7,083	5,599	55	99	9/30/2023	6,697.9		
NILAN	10,992	5,268	2,524	8,184	6,940	63	132	9/30/2023	4,433.8	6,040 AF active storage	
RUBY RIVER	37,612	10,378	13,912	24,080	17,783	47	171	9/30/2023	5,368.6		
WILLOW CREEK	18,000	7,360	6,487	11,383	10,178	57	138	9/30/2023	4,724.7		
Yellowstone Basin											
COONEY	28,230	15,768	17,810	23,160	20,546	73	130	9/30/2023	4,241.4	20,456 AF active storage	
COTTONWOOD	1,900	684	140	1,907	1,751	92	256	9/28/2023	5,101.9		
TONGUE RIVER	79,071	42,679	40,367	65,324	60,743	77	142	9/30/2023	3,423.0		

* 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.