

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

May 31, 2024

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	1993- 2023	May-23	Apr-24	May-24	May-24				May-24
		May									
Clark Fork Basin											
E.F. ROCK CREEK	16,040	12,023	14,372	10,205	11,459	71	95	5/31/2024	6,043.0		
NEVADA CREEK	11,207	10,959	11,141	8,908	8,710	78	79	5/30/2024	4,608.8		
W.F. BITTERROOT	32,362	33,109	33,132	27,900	33,070	102	100	5/24/2024	4,726.6		
Lower Missouri Basin											
ACKLEY	6,722	4,955	5,583	4,690	6,470	96	131	5/24/2024	4,317.0	5,469 AF active storage	
BAIR	7,300	5,381	6,710	5,516	6,062	83	113	5/31/2024	5,320.2		
DEADMAN'S BASIN	75,968	56,348	75,846	71,297	75,933	100	135	5/31/2024	3,921.0	72,183 AF active storage	
FRENCHMAN	2,777	2,770	2,702	2,784	--	--	--	--	--	not reported	
MARTINSDALE	23,348	16,715	23,282	23,555	23,390	100	140	5/31/2024	4,779.3		
N.FK. SMITH RIVER	11,406	10,409	11,542	11,396	11,495	101	110	5/30/2024	5,488.2		
YELLOWWATER	3,842	2,185	964	1,204	1,401	36	64	5/24/2024	3,110.5		
Upper Missouri Basin											
MIDDLE CREEK	10,184	9,468	9,860	6,895	10,125	99	107	5/31/2024	6,720.8		
NILAN	10,992	8,840	9,250	9,717	10,454	95	118	5/31/2024	4,441.5	9,554 AF active storage	
RUBY RIVER	37,612	37,007	38,478	37,515	37,947	101	103	5/31/2024	5,393.3		
WILLOW CREEK	18,000	16,234	14,415	14,176	14,017	78	86	5/31/2024	4,731.0		
Yellowstone Basin											
COONEY	28,230	25,488	28,104	27,381	28,405	101	111	5/31/2024	4,251.2	28,315 AF active storage	
COTTONWOOD	1,900	1,681	1,995	1,900	2,008	106	119	6/4/2024	5,103.0		
TONGUE RIVER	79,071	74,939	81,485	68,563	80,076	101	107	5/31/2024	3,428.7		

* 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.