

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

September 30, 2020

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS					% CAPACITY 9/30/2020	%AVERAGE for September	READING DATE	COMMENTS
		30 YR AVERAGE	Last Year	Last Month	PRESENT					
		1989- 2019 for September	9/30/2019	8/31/2020	9/30/2020	9/30/2020				
Clark Fork Basin										
E.F. ROCK CREEK	16,040	5,739	5,836	8,110	6,201	39	108	9/30/2020	elev. = 6,025.6 ft	
NEVADA CREEK	11,207	4,129	3,183	6,101	3,562	32	86	9/29/2020	elev. = 4,590.06 ft	
W.F. BITTERROOT	32,362	7,501	7,266	19,615	7,296	23	97	9/30/2020	elev. = 4667.3 ft	
Lower Missouri Basin										
ACKLEY	6,722	3,184	4,461	4,014	3,346	50	105	10/2/2020	elev. = 4,303.1 ft (2,345 AF)	
BAIR	7,300	2,980	4,719	3,799	3,774	52	127	9/30/2020	elev. = 5,308.8 ft	
DEADMAN'S BASIN	75,968	36,606	57,504	54,691	48,854	64	133	9/30/2020	elev. = 3,907.0 ft (45,104 AF)	
FRENCHMAN	2,777	1,736	NR	1,404	1,910	69	110	10/2/2020	elev. = 2,263.0 ft	
MARTINSDALE	23,348	9,419	18,925	15,839	12,476	53	132	9/30/2020	elev. = 4,766.16 ft	
N.F.K. SMITH RIVER	11,406	4,733	7,408	7,780	6,305	55	133	9/29/2020	elev. = 5,470.42 ft	
YELLOWATER	3,842	1,670	3,447	3,333	3,171	83	190	10/7/2020	elev. = 3,116.7 ft	
Upper Missouri Basin										
MIDDLE CREEK	10,184	5,648	5,519	6,788	5,500	54	97	9/30/2020	elev. = 6,697.3 ft	
NILAN	10,992	5,691	6,987	4,870	1,502	14	26	9/27/2020	elev. = 4,409.8 ft (602 AF)	
RUBY RIVER	37,612	10,241	13,271	18,664	10,493	28	102	9/30/2020	elev. = 5,354.4 ft	
WILLOW CREEK	18,000	7,559	7,807	7,762	3,883	22	51	10/5/2020	elev. = 4,710.90 ft	
Yellowstone Basin										
COONEY	28,230	15,536	19,592	18,865	18,137	64	117	9/30/2020	elev. = 4,237.9 ft (18,047 AF)	
COTTONWOOD	1,900	747	1,120	765	739	39	99	9/17/2020	elev. = 5,095.66 ft	
TONGUE RIVER	79,071	43,228	48,476	43,775	36,769	47	85	9/30/2020	elev. = 3,414.1 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.