

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

May 31, 2011

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS				% CAPACITY 5/31/2011	% AVERAGE 5/31/2011	READING DATE	COMMENTS
		AVERAGE	Last Year	Last Month	PRESENT				
		1960 - 2010	5/31/2010	4/30/2011	5/31/2011				
ACKLEY	6,140	4,701	6,447	4,257	5,728	93	122	5/31/2011	from M. Norris el.=4315.32
BAIR	7,300	5,661	6,108	7,423	7,455	102	132	6/1/2011	from D. Mann el.=5325.55 (spilling)
CATARACT	1,478	515	488	306	500	34	97	6/1/2011	inaccessible-volume estimated
COONEY	28,230	24,089	27,878	25,381	28,230	100	117	6/1/2011	Full Pool (spilling) (estimated)
COTTONWOOD	1,900	1,521	1,853	2,166	2,024	107	133	6/1/2011	from T. Benn el.=5102.97 (spilling)
DEADMAN'S BASIN	75,968	53,115	54,999	68,450	76,170	100	143	5/31/2011	from T. Hice el.=3921.1
E.F. ROCK CREEK	16,040	10,583	13,838	12,667	13,304	83	126	5/31/2011	from data logger el.=6048.3
FRENCHMAN	2,777	2,535	2,777	2,777	2,777	100	110	6/1/2011	Full Pool (spilling)
MARTINSDALE	23,348	15,922	19,808	17,702	19,912	85	125	5/31/2011	from D. Mann el.=4775.61
MIDDLE CREEK	10,184	9,353	8,591	5,603	7,867	77	84	5/31/2011	from data logger el.=6710.8
NEVADA CREEK	11,207	11,062	10,847	9,830	11,522	103	104	5/31/2011	from R. Hawkins el.=4616.85 (spilling)
NILAN	10,992	8,410	9,996	8,087	10,809	98	129	6/1/2011	from J. Wolfe el.=4442.16 (9,909 AF)
N.FK. SMITH RIVER	11,406	10,252	11,434	10,834	11,553	101	113	6/1/2011	from D. Mann el.=5488.77 (spilling)
RUBY RIVER	36,633	37,468	38,137	37,668	38,570	105	103	5/31/2011	from T. Benn el.=5393.92 (spilling)
TONGUE RIVER	79,071	67,642	81,788	50,936	81,617	103	121	5/31/2011	from Data Logger el.=3429.1 (spilling)
W.F. BITTERROOT	32,362	32,250	32,362	19,841	33,108	102	103	6/1/2011	Full Pool (spilling) el.=4727.5
WILLOW CREEK	18,000	16,727	17,522	15,387	16,613	92	99	5/31/2011	from T. Benn el.=4374.28
YELLOWWATER	3,842	1,282	1,530	2,293	3,842	100	300	6/1/2011	Full Pool (spilling)

* Note: Reservoir contents include dead storage at the following:

Ackley	325 AF	**	** O&M slope storage table does not include dead storage (so dead storage has to be added into the storage from the table)
Cooney	90 AF	**	Tongue River 711 AF (O&M storage table includes dead storage)
Deadman's	3750 AF	**	W. F. Bitterroot 656 AF (O&M storage table includes dead storage)
Nilan	900 AF	**	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: Ruby River capacity reflects capacity at concrete crest elevation; capacity at top of flashboards is 37,612 A.F.

* 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 pre aerial survey