

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

**March 31, 2011**

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS				% CAPACITY 3/31/2011	%AVERAGE 3/31/2011	Reading Date	COMMENTS
		AVERAGE 1960 - 2010	Last Year 3/31/2010	Last Month 2/28/2011	PRESENT 3/31/2011				
	Full Pool								
	Contents								
ACKLEY	6,140	3,186	4,132	<b>4,029</b>	<b>4,215</b>	69	132	4/1/11	from S. Sundheim el.=4307.3
BAIR	7,300	4,306	4,643	<b>5,750</b>	<b>6,212</b>	85	144	3/31/11	from D. Mann el.=5320.85
CATARACT	1,478	407	526	<b>276</b>	<b>300</b>	20	74	3/1/11	volume estimated
COONEY	28,230	20,914	20,240	<b>18,956</b>	<b>22,055</b>	78	105	4/1/11	from J. Krook el.=4243.49 (21,965 AF)
COTTONWOOD	1,900	1,460	1,542	<b>1,384</b>	<b>1,940</b>	102	133	3/29/11	from P. Dassenko el.=5102.64
DEADMAN'S BASIN	75,968	48,258	49,050	<b>65,107</b>	<b>65,810</b>	87	136	3/31/11	from T. Hice el.=3915.94 (62,060 AF)
E.F. ROCK CREEK	16,040	9,349	12,850	<b>11,769</b>	<b>12,183</b>	76	130	3/31/11	from data logger el.=6045.1
FRENCHMAN	2,777	1,579	1,300	<b>2,777</b>	<b>2,777</b>	100	176	3/31/11	volume estimated
MARTINSDALE	23,348	9,002	17,366	<b>18,080</b>	<b>17,793</b>	76	198	3/31/11	from D. Mann el.=4773.12
MIDDLE CREEK	10,184	6,325	6,677	<b>6,566</b>	<b>6,374</b>	63	101	3/31/11	from data logger el.=6702.6
NEVADA CREEK	11,207	7,733	8,690	<b>8,665</b>	<b>11,207</b>	100	145	4/4/11	spilling
NILAN	10,992	6,664	9,130	<b>7,338</b>	<b>7,637</b>	69	115	4/1/11	from J. Wolfe el.=4435.46 (6,737AF)
N.FK. SMITH RIVER	11,406	6,993	7,409	<b>8,500</b>	<b>8,549</b>	75	122	3/31/11	from D. Mann el.=5478.79
RUBY RIVER	36,633	30,960	30,365	<b>29,347</b>	<b>32,933</b>	90	106	3/31/11	from R. Laskowski el.=5388.07
TONGUE RIVER	79,071	47,759	56,674	<b>54,089</b>	<b>57,584</b>	73	121	3/31/11	from data logger el.=3422.0
W.F. BITTERROOT	32,362	8,276	6,426	<b>13,139</b>	<b>16,731</b>	52	202	4/3/11	from A Pernichele el.=4694.9
WILLOW CREEK	18,000	16,401	15,212	<b>15,411</b>	<b>16,000</b>	89	98	3/31/11	volume estimated
YELLOWWATER	3,842	1,066	1,630	<b>2,268</b>	<b>2,000</b>	52	188	4/1/11	from T. Olson el.= 3112.85

\* 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