

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

**April 30, 2011**

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS				% CAPACITY 4/30/2011	%AVERAGE 4/30/2011	Reading Date	COMMENTS
		AVERAGE 1960 - 2010	Last Year 4/30/2010	Last Month 3/31/2011	PRESENT 4/30/2011				
	Full Pool								
	Contents								
ACKLEY	6,140	3,661	4,194	<b>4,215</b>	<b>4,257</b>	69	116	5/3/11	from M. Norberg el.=4307.5 (3,256 AF)
BAIR	7,300	5,221	5,012	<b>6,212</b>	<b>7,423</b>	102	142	4/28/11	from D. Mann el.=5325.42 (spilling)
CATARACT	1,478	406	526	<b>300</b>	<b>306</b>	21	75	5/1/11	volume estimated
COONEY	28,230	22,398	22,507	<b>22,055</b>	<b>25,381</b>	90	113	5/2/11	from J. Krook el.=4247.69 (25,291 AF)
COTTONWOOD	1,900	1,460	1,542	<b>1,940</b>	<b>2,166</b>	114	148	4/26/11	from P. Dassenko el.=5103.47
DEADMAN'S BASIN	75,968	52,677	52,010	<b>65,810</b>	<b>68,450</b>	90	130	4/28/11	from D. Mann el.=3917.26 (64,700 AF)
E.F. ROCK CREEK	16,040	9,443	13,375	<b>12,183</b>	<b>12,667</b>	79	134	5/4/11	from data logger el.=6046.5
FRENCHMAN	2,777	2,085	2,777	<b>2,777</b>	<b>2,777</b>	100	133	4/30/11	spilling
MARTINSDALE	23,348	11,957	20,120	<b>17,793</b>	<b>17,702</b>	76	148	4/28/11	from D. Mann el.=4773.01
MIDDLE CREEK	10,184	6,681	7,597	<b>6,374</b>	<b>5,603</b>	55	84	5/4/11	from data logger el.=6697.7
NEVADA CREEK	11,207	10,037	10,717	<b>11,207</b>	<b>9,830</b>	88	98	4/30/11	from R. Hawkins el.=4612.15
NILAN	10,992	7,076	9,407	<b>7,637</b>	<b>8,087</b>	74	114	4/26/11	from J. Wolfe el.=4436.50 (6,737AF)
N.F.K. SMITH RIVER	11,406	8,678	8,604	<b>8,549</b>	<b>10,834</b>	95	125	5/2/11	from K. Hochstradt el.= 5486.44
RUBY RIVER	36,633	36,057	37,733	<b>32,933</b>	<b>37,668</b>	103	104	5/2/11	from T. Benn el.=5393.03 (spilling)
TONGUE RIVER	79,071	49,501	63,669	<b>57,584</b>	<b>50,936</b>	64	103	5/4/11	from data logger el.=3419.8
W.F. BITTERROOT	32,362	19,335	11,106	<b>16,731</b>	<b>19,841</b>	61	103	5/1/11	from A Pernichele el.=4702.8
WILLOW CREEK	18,000	17,368	17,203	<b>16,000</b>	<b>15,387</b>	85	89	5/2/11	from M. Norberg el.=4732.69
YELLOWWATER	3,842	1,177	1,630	<b>2,000</b>	<b>2,293</b>	60	195	4/29/11	from T. Olson el.= 3114.00

\* 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