

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

**January 31, 2010**

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS				% CAPACITY 1/31/2010	%AVERAGE 1/31/2010	Reading Date	COMMENTS
		AVERAGE 1960 - 2009	Last Year 1/31/2009	Last Month 12/31/2009	PRESENT 1/31/2010				
	Full Pool								
	Contents								
<b>ACKLEY</b>	6,140	3,126	1,511	<b>4,014</b>	<b>4,087</b>	67	131	1/27/10	from M. Norberg el.=4306.68 Ice affected
<b>BAIR</b>	7,300	3,439	2,318	<b>4,050</b>	<b>4,197</b>	57	122	1/27/10	from M. Norberg el.=5311.22 Ice affected
<b>CATARACT</b>	1,478	395	330	<b>526</b>	<b>526</b>	36	133	1/31/10	volume estimated
<b>COONEY</b>	28,230	18,028	18,778	<b>16,814</b>	<b>16,814</b>	60	93	1/31/10	from J. Krook el.=4235.77 (16,724AF)
<b>COTTONWOOD</b>	1,900	536	1,056	<b>1,165</b>	<b>1,165</b>	61	217	1/31/10	volume estimated
<b>DEADMAN'S BASIN</b>	75,968	40,889	42,413	<b>34,321</b>	<b>38,721</b>	51	95	1/27/10	from M. Norberg el.=3900.96 (34,971 AF)
<b>E.F. ROCK CREEK</b>	16,040	8,073	11,140	<b>10,975</b>	<b>11,674</b>	73	145	1/31/10	from data logger el.=6043.6
<b>FRENCHMAN</b>	2,777	1,486	1,556	<b>1,300</b>	<b>1,300</b>	47	87	1/31/10	volume estimated
<b>MARTINSDALE</b>	23,348	7,975	6,577	<b>18,655</b>	<b>18,745</b>	80	235	1/27/10	from M. Norberg el.=4774.28 Ice affected
<b>MIDDLE CREEK</b>	10,184	5,901	6,496	<b>6,504</b>	<b>6,694</b>	66	113	1/25/10	from data logger el.=6704.7
<b>NEVADA CREEK</b>	11,207	4,787	8,022	<b>6,635</b>	<b>6,800</b>	61	142	2/1/10	from J. Beck el.=4602.77 Ice affected
<b>NILAN</b>	10,992	5,767	8,626	<b>8,131</b>	<b>8,559</b>	78	148	2/1/10	from J. Beck el.=4437.56 (7,659 AF)
<b>N.FK. SMITH RIVER</b>	11,406	5,785	7,057	<b>6,700</b>	<b>6,870</b>	60	119	1/27/10	from M. Norberg el.=5472.68 Ice affected
<b>RUBY RIVER</b>	36,633	23,998	24,830	<b>19,554</b>	<b>22,500</b>	61	94	2/1/10	volume estimated
<b>TONGUE RIVER</b>	79,071	40,931	57,587	<b>48,119</b>	<b>48,900</b>	62	119	1/31/10	from data logger el.=3419
<b>W.F. BITTERROOT</b>	32,362	5,031	9,109	<b>7,539</b>	<b>6,889</b>	21	137	2/1/10	from A. Pernichele el.=4665.8
<b>WILLOW CREEK</b>	18,000	11,797	13,858	<b>10,500</b>	<b>12,991</b>	72	110	1/26/10	from M. Norberg el.=4729.6 Ice affected
<b>YELLOWWATER</b>	3,842	926	1,450	<b>1,050</b>	<b>1,439</b>	37	155	1/22/10	from S. Sundheim el.=3110.65

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

Ackley	1001 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