

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

**November 30, 2010**

All Contents in Acre-Feet

RESERVOIR	TOTAL CAPACITY (includes dead storage)*	CONTENTS				% CAPACITY 11/30/2010	%AVERAGE 11/30/2010	Reading Date	COMMENTS
		AVERAGE 1960 - 2009	Last Year 11/30/2009	Last Month 10/31/2010	PRESENT 11/30/2010				
	Full Pool								
	Contents								
ACKLEY	6,140	3,314	4,014	<b>4,029</b>	<b>4,029</b>	66	122	11/30/10	volume estimated
BAIR	7,300	3,108	4,004	<b>5,504</b>	<b>5,504</b>	75	177	11/30/10	volume estimated
CATARACT	1,478	415	526	<b>276</b>	<b>276</b>	19	67	11/30/10	volume estimated
COONEY	28,230	17,072	16,877	<b>18,692</b>	<b>18,296</b>	65	107	12/2/10	from J. Krook el.=4238.09 (18,206 AF)
COTTONWOOD	1,900	692	1,165	<b>1,384</b>	<b>1,384</b>	73	200	11/30/10	volume estimated
DEADMAN'S BASIN	75,968	35,714	31,996	<b>59,832</b>	<b>65,107</b>	86	182	11/18/10	from T. Hice el.=3915.58 (61,357 AF)
E.F. ROCK CREEK	16,040	6,903	10,224	<b>8,720</b>	<b>9,722</b>	61	141	12/3/10	from data logger el.=6037.6
FRENCHMAN	2,777	1,428	1,300	<b>2,777</b>	<b>2,000</b>	72	140	11/30/10	volume estimated from G. Yeska
MARTINSDALE	23,348	8,461	18,655	<b>17,218</b>	<b>18,080</b>	77	214	11/27/10	from L. Hammond el.=4773.47
MIDDLE CREEK	10,184	5,617	6,237	<b>6,044</b>	<b>6,537</b>	64	116	12/3/10	from data logger el.=6703.6
NEVADA CREEK	11,207	4,355	6,464	<b>6,480</b>	<b>7,030</b>	63	161	11/30/10	from R. Hawkins el.=4603.54
NILAN	10,992	5,568	7,650	<b>6,447</b>	<b>6,447</b>	59	116	11/30/10	volume estimated
N.FK. SMITH RIVER	11,406	5,290	6,615	<b>7,885</b>	<b>8,000</b>	70	151	11/30/10	volume estimated
RUBY RIVER	36,633	16,093	17,900	<b>18,600</b>	<b>21,394</b>	58	133	12/2/10	from J. Beck el.=5374.14
TONGUE RIVER	79,071	40,576	48,379	<b>51,244</b>	<b>50,587</b>	64	125	12/3/10	from data logger el.=3419.6
W.F. BITTERROOT	32,362	5,216	8,535	<b>9,951</b>	<b>10,684</b>	33	205	11/29/10	from A. Pernichele el.=4679.1
WILLOW CREEK	18,000	8,064	10,500	<b>7,366</b>	<b>7,366</b>	41	91	11/30/10	volume estimated
YELLOWWATER	3,842	981	1,450	<b>1,110</b>	<b>1,100</b>	29	112	11/30/10	volume estimated

\* 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