

TIBER RESERVOIR OPERATIONS

Water Supply Forecasts and Reservoir Operations January 1, 2009

Present Elevation and Storage: 2983.21 & 765,407 acre-feet (108 Percent of Normal)

Actual Inflows (1000 Acre-Feet):

<u>Month</u>	<u>Inflow</u>	<u>Percent of Normal</u>
April-July 2008	488.6	111
October	15.9	71
November	12.6	57
December	10.1	54

January Forecasts (April-July Runoff)

<u>Agency</u>	<u>Inflow</u>	<u>Percent of Normal</u>
NRCS	240.0	63
USBR	306.0	49
<u>CORPS</u>	<u>N.A.</u>	<u>N.A.</u>
Average	273.0	56

United States
Department of
Agriculture

Natural Resources
Conservation
Service

Water and Climate Center
Portland, Oregon

S N O W - P R E C I P I T A T I O N U P D A T E

Based on Mountain Data from NRCS SNOTEL Sites
As of THURSDAY: JANUARY 1 , 2009

BASIN	ELEV.	SNOW WATER EQUIVALENT			TOTAL PRECIPITATION		
Data Site Name	(Ft)	Current	Average	%	Current	Average	%
					Avg		

SUN, TETON AND MARIAS RIVER BASINS							
BADGER PASS	6900	9.1	15.2	60	12.1	16.6	73
DUPUYER CREEK	5750	-M	4.4	*	5.0	8.0	62
MOUNT LOCKHART	6400	5.9	9.5	62	10.6	12.2	87
PIKE CREEK	5930	-M	12.0	*	11.1	15.3	73
WALDRON	5600	3.3	5.2	63	7.4	8.6	86
WOOD CREEK	5960	3.6	4.2	86	8.8	8.4	105
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Basin wide percent of average					64		80

LAKE ELWELL (TIBER RESERVOIR) MONTHLY OPERATIONS

Based on January 2009 MOST Probable Inflow Forecast

Tiber Reservoir	2009	Initial Cont Elev 2983.21 ft				Maximum Cont Elev 3013.69 ft				Minimum Cont Elev 2932.27 ft				Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Monthly Inflow	kaf	13.3	15.2	30.7	44.8	110.0	88.4	29.9	9.0	7.2	11.5	13.2	10.4	383.6
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dam Release	kaf	34.7	31.4	34.7	33.6	34.7	33.6	33.8	33.8	32.8	33.8	32.8	33.8	403.5
Dam Release	cfs	564	565	564	565	564	565	550	550	551	550	551	550	
End-Month Content	kaf	744.0	727.8	723.8	735.0	810.3	865.1	861.2	836.4	810.8	788.5	768.9	745.5	
End-Month Elevation	ft	2981.72	2980.57	2980.28	2981.09	2986.21	2989.59	2989.36	2987.86	2986.25	2984.78	2983.45	2981.83	
Net Change Content	kaf	-21.4	-16.2	-4.0	11.2	75.3	54.8	-3.9	-24.8	-25.6	-22.3	-19.6	-23.4	-19.9

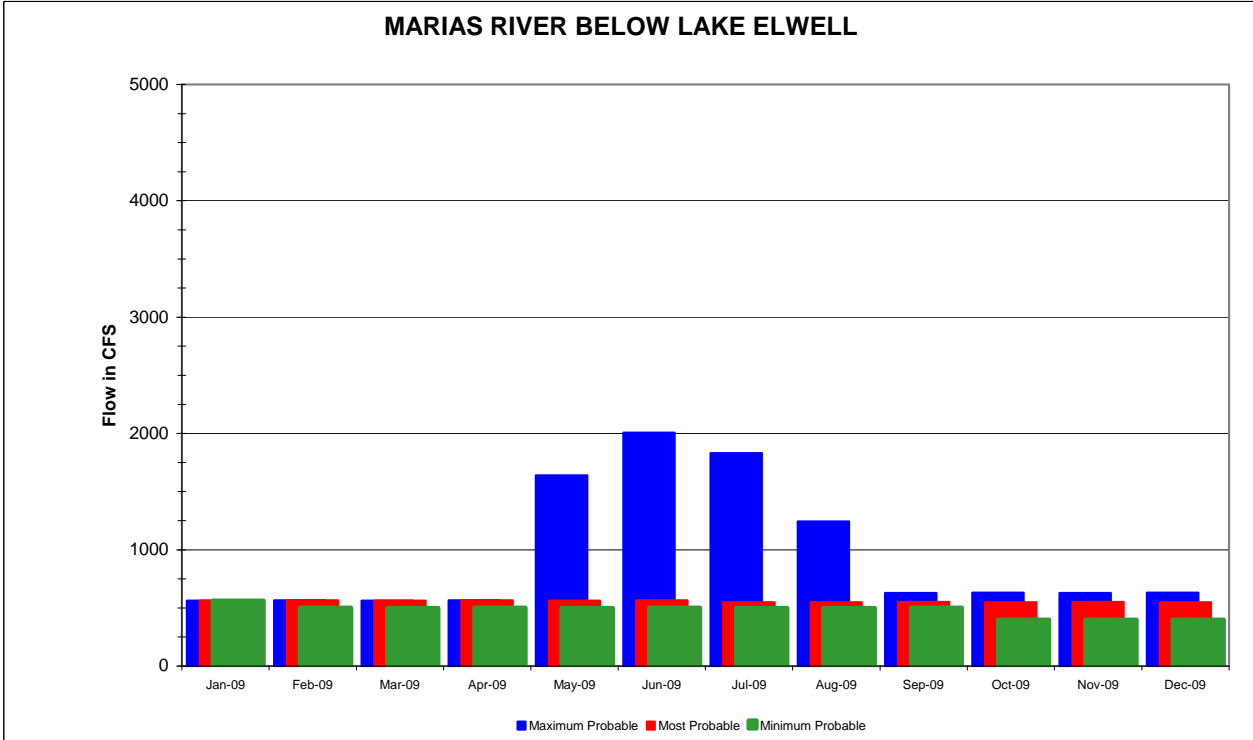
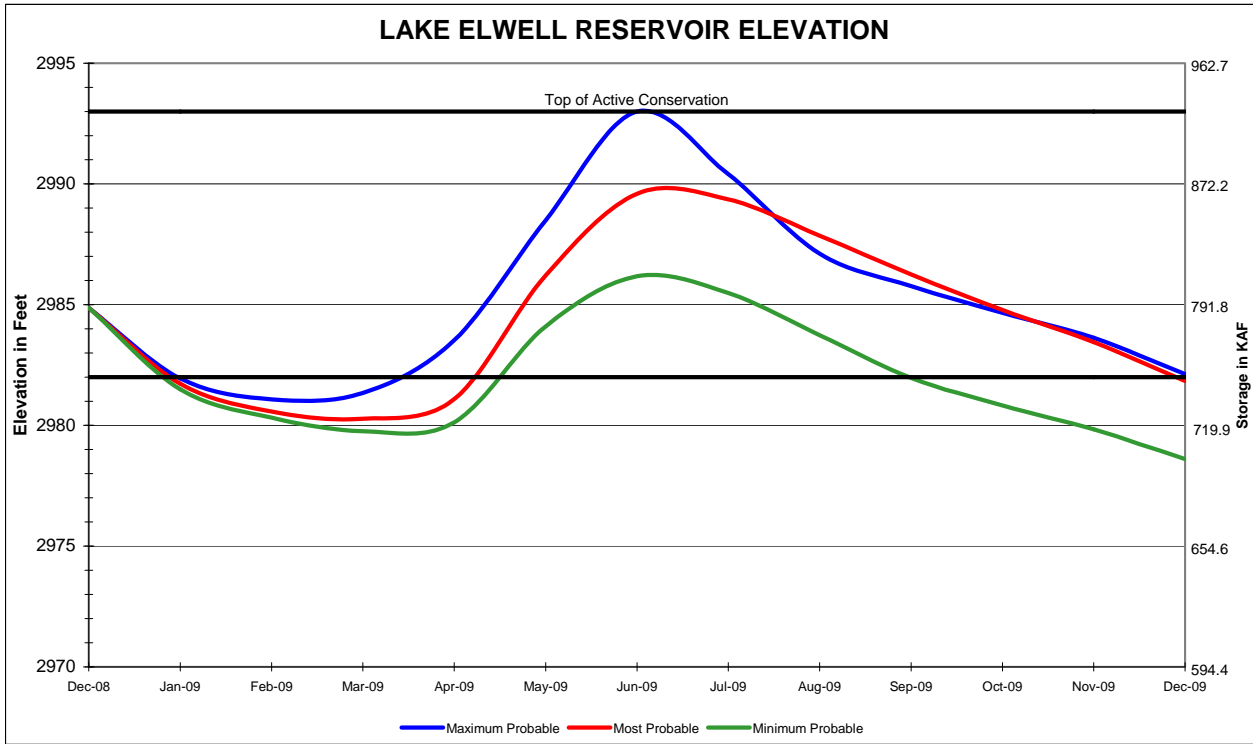
Based on January 2009 MINIMUM Probable Inflow Forecast

Tiber Reservoir	2009	Initial Cont Elev 2983.21 ft				Maximum Cont Elev 3013.69 ft				Minimum Cont Elev 2932.27 ft				Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Monthly Inflow	kaf	10.0	11.4	23.0	34.8	87.6	61.1	19.9	4.9	4.1	8.3	10.1	8.1	283.3
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dam Release	kaf	34.7	27.8	30.7	29.8	30.7	29.8	30.7	30.7	29.8	24.6	23.8	24.6	347.7
Dam Release	cfs	564	501	499	501	499	501	499	499	501	400	400	400	
End-Month Content	kaf	740.7	724.3	716.6	721.6	778.5	809.8	799.0	773.2	747.5	731.2	717.5	701.0	
End-Month Elevation	ft	2981.49	2980.32	2979.76	2980.12	2984.10	2986.18	2985.48	2983.74	2981.97	2980.82	2979.83	2978.60	
Net Change Content	kaf	-24.7	-16.4	-7.7	5.0	56.9	31.3	-10.8	-25.8	-25.7	-16.3	-13.7	-16.5	-64.4

Based on January 2009 MAXIMUM Probable Inflow Forecast

Tiber Reservoir	2009	Initial Cont Elev 2983.21 ft				Maximum Cont Elev 3013.69 ft				Minimum Cont Elev 2932.27 ft				Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Monthly Inflow	kaf	16.6	19.0	38.4	65.1	177.4	198.4	66.2	21.5	16.7	22.0	22.4	16.8	680.5
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dam Release	kaf	34.7	31.4	34.7	33.6	100.8	119.5	112.6	76.4	37.5	38.8	37.5	38.8	696.3
Dam Release	cfs	564	565	564	565	1639	2008	1831	1243	630	631	630	631	
End-Month Content	kaf	747.3	734.9	738.6	770.1	846.7	925.6	879.2	824.3	803.5	786.7	771.6	749.6	
End-Month Elevation	ft	2981.95	2981.08	2981.34	2983.53	2988.49	2993.00	2990.41	2987.11	2985.77	2984.66	2983.63	2982.12	
Net Change Content	kaf	-18.1	-12.4	3.7	31.5	76.6	78.9	-46.4	-54.9	-20.8	-16.8	-15.1	-22.0	-15.8

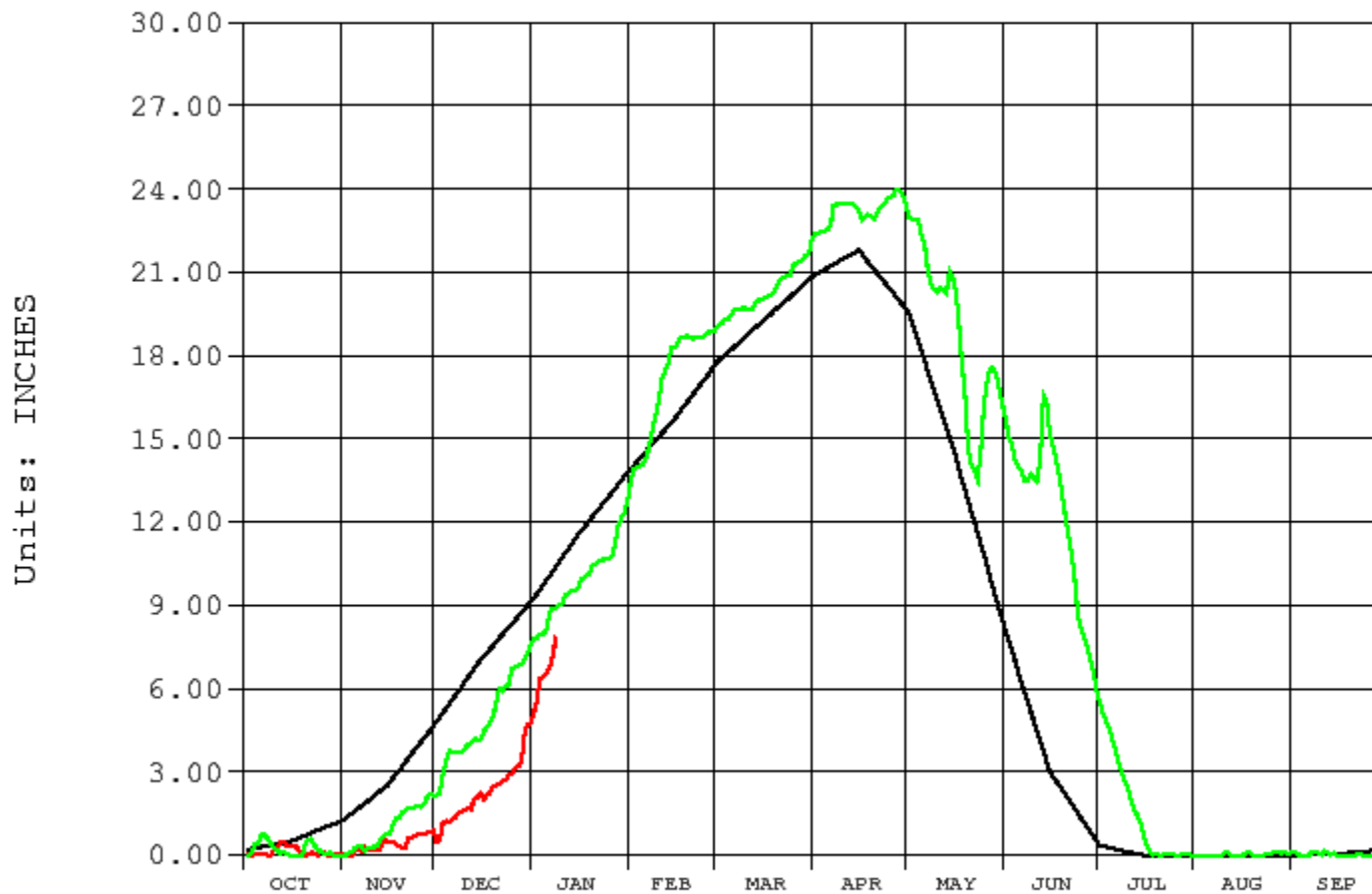
LAKE ELWELL



WATER YEAR 2009

Archive Data From 1-OCT Through 30-SEP

Plotted 01/08/2009 13:24



LER Lake Elwell, Marias River near Chester, MT
SE_AVG Snow Water Equivalent Average (inches)
SE Snow Water Equivalent (inches)

2009
2009 2008