

TIBER RESERVOIR OPERATIONS

Water Supply Forecasts and Reservoir Operations May 1, 2009

Present Elevation and Storage: 2980.75 & 730,274 acre-feet (104 Percent of Normal)

Actual Inflows (1000 Acre-Feet):

<u>Month</u>	<u>Inflow</u>	<u>Percent of Normal</u>
October	15.9	71
November	12.6	57
December	10.1	54
January	15.4	95
February	12.9	60
March	25.1	50
April	43.2	68

May Forecasts (May-July Runoff)

<u>Agency</u>	<u>Inflow</u>	<u>Percent of Normal</u>
NRCS	285	74
CORPS	N.A	N.A
USBR	312	68
Average	298	71

United States Department of Agriculture	Natural Resources Conservation Service	Water and Climate Center Portland, Oregon
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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 FRIDAY: MAY 1 , 2009

BASIN Data Site Name	ELEV. (Ft)	SNOW WATER EQUIVALENT %	%	TOTAL PRECIPITATION %	Current	Average	Avg
		Current	Average	Avg	Current	Average	Avg
SUN, TETON AND MARIAS RIVER BASINS							
BADGER PASS	6900	32.8	36.4	90	35.2	40.8	86
DUPUYER CREEK	5750	10.3	8.1	127	16.8	18.1	93
MOUNT LOCKHART	6400	21.3	21.4	100	29.6	28.3	105
PIKE CREEK	5930	25.1	26.2	96	30.3	35.5	85
WALDRON	5600	10.3	6.7	154	19.7	19.2	103
WOOD CREEK	5960	12.2	8.7	140	20.5	18.0	114
Basin wide percent of average				104			95

LAKE ELWELL (TIBER RESERVOIR) MONTHLY OPERATIONS

Based on May 2009 MOST Probable Inflow Forecast

Tiber Reservoir	Initial Cont					Maximum Cont				Minimum Cont				Total
	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
Monthly Inflow	kaf	136.3	120.7	41.6	13.8	10.7	15.2	16.9	12.3	15.6	17.4	39.4	52.2	492.1
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	30.7	40.5	41.8	41.9	40.6	41.9	40.6	42.0	41.9	37.9	41.9	40.6	482.3
Dam Release	cfs	499	681	680	681	682	681	682	683	681	682	681	682	
End-Month Content	kaf	835.9	916.1	915.9	887.8	857.9	831.2	807.5	777.8	751.5	731.0	728.5	740.1	
End-Month Elevation	ft	2987.83	2992.48	2992.46	2990.90	2989.16	2987.54	2986.03	2984.06	2982.25	2980.80	2980.62	2981.45	
Net Change Content	kaf	105.6	80.2	-0.2	-28.1	-29.9	-26.7	-23.7	-29.7	-26.3	-20.5	-2.5	11.6	9.8

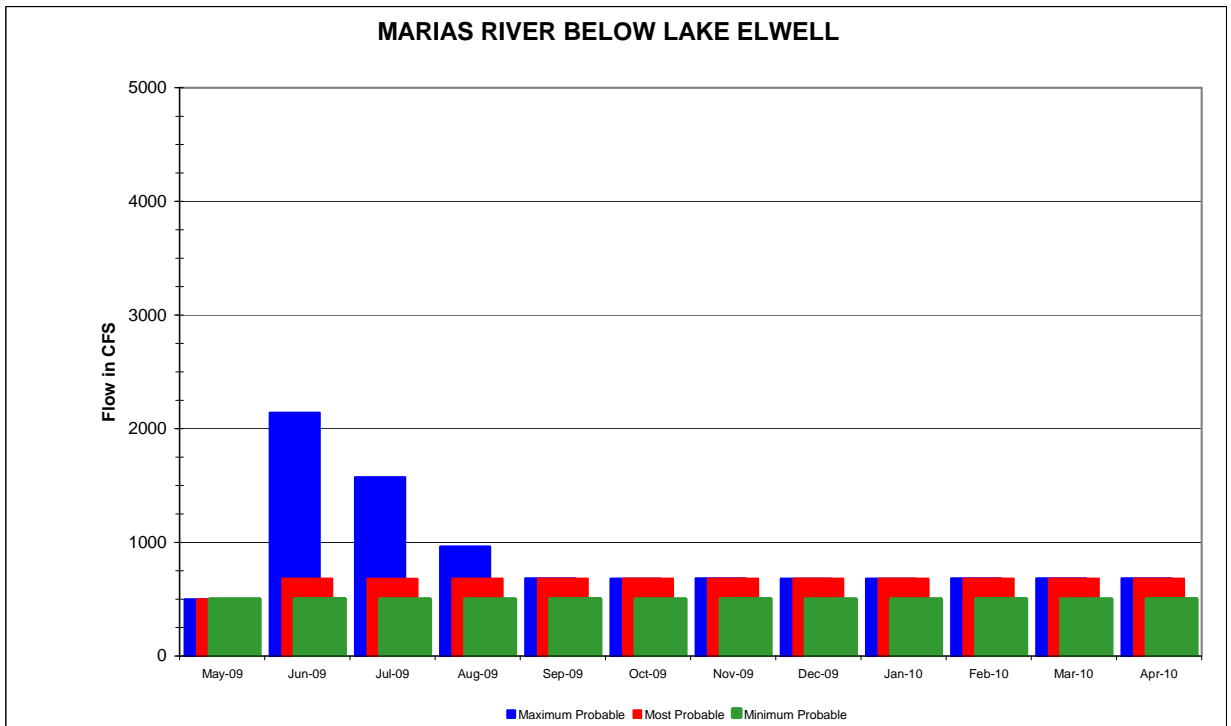
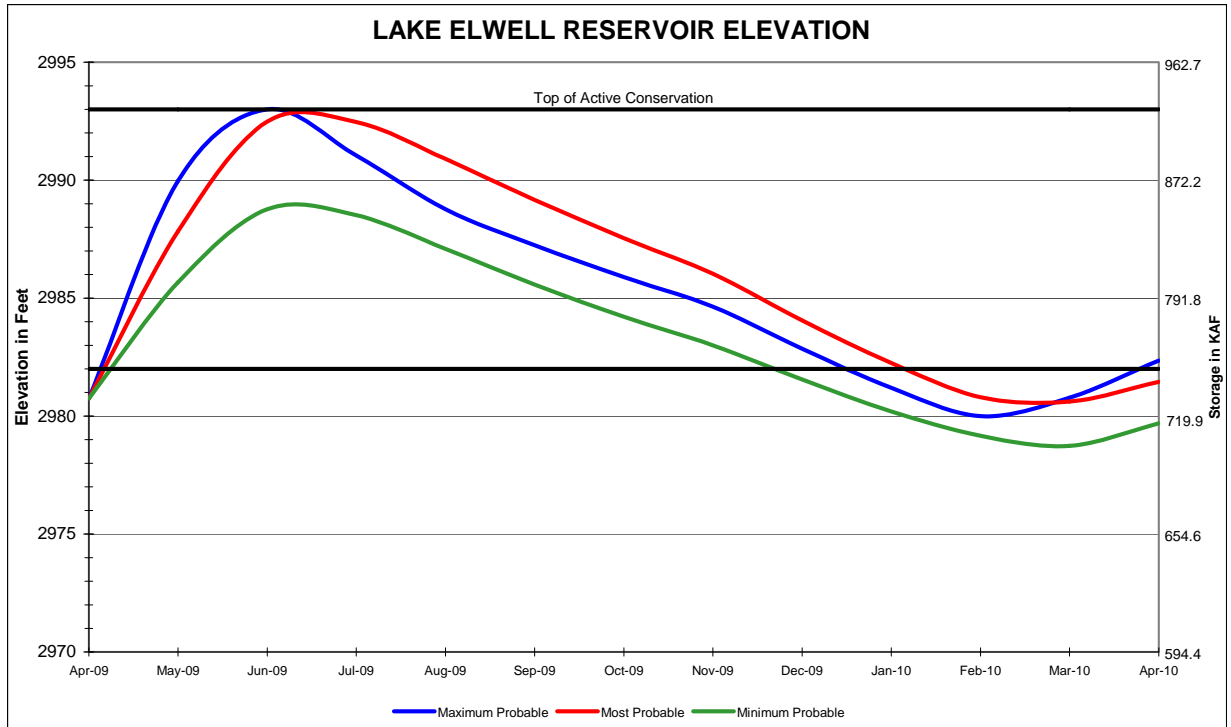
Based on May 2009 MINIMUM Probable Inflow Forecast

Tiber Reservoir	Initial Cont					Maximum Cont				Minimum Cont				Total
	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
Monthly Inflow	kaf	102.4	79.2	26.5	7.6	6.1	10.4	12.1	9.8	11.9	13.7	25.0	42.6	347.3
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	30.7	29.8	30.7	30.7	29.8	30.7	29.8	30.7	30.7	27.8	30.7	29.8	361.9
Dam Release	cfs	499	501	499	499	501	499	501	499	499	501	499	501	
End-Month Content	kaf	802.0	851.4	847.2	824.1	800.4	780.1	762.4	741.5	722.7	708.6	702.9	715.7	
End-Month Elevation	ft	2985.67	2988.77	2988.52	2987.09	2985.57	2984.21	2983.00	2981.55	2980.20	2979.17	2978.74	2979.69	
Net Change Content	kaf	71.7	49.4	-4.2	-23.1	-23.7	-20.3	-17.7	-20.9	-18.8	-14.1	-5.7	12.8	-14.6

Based on May 2009 MAXIMUM Probable Inflow Forecast

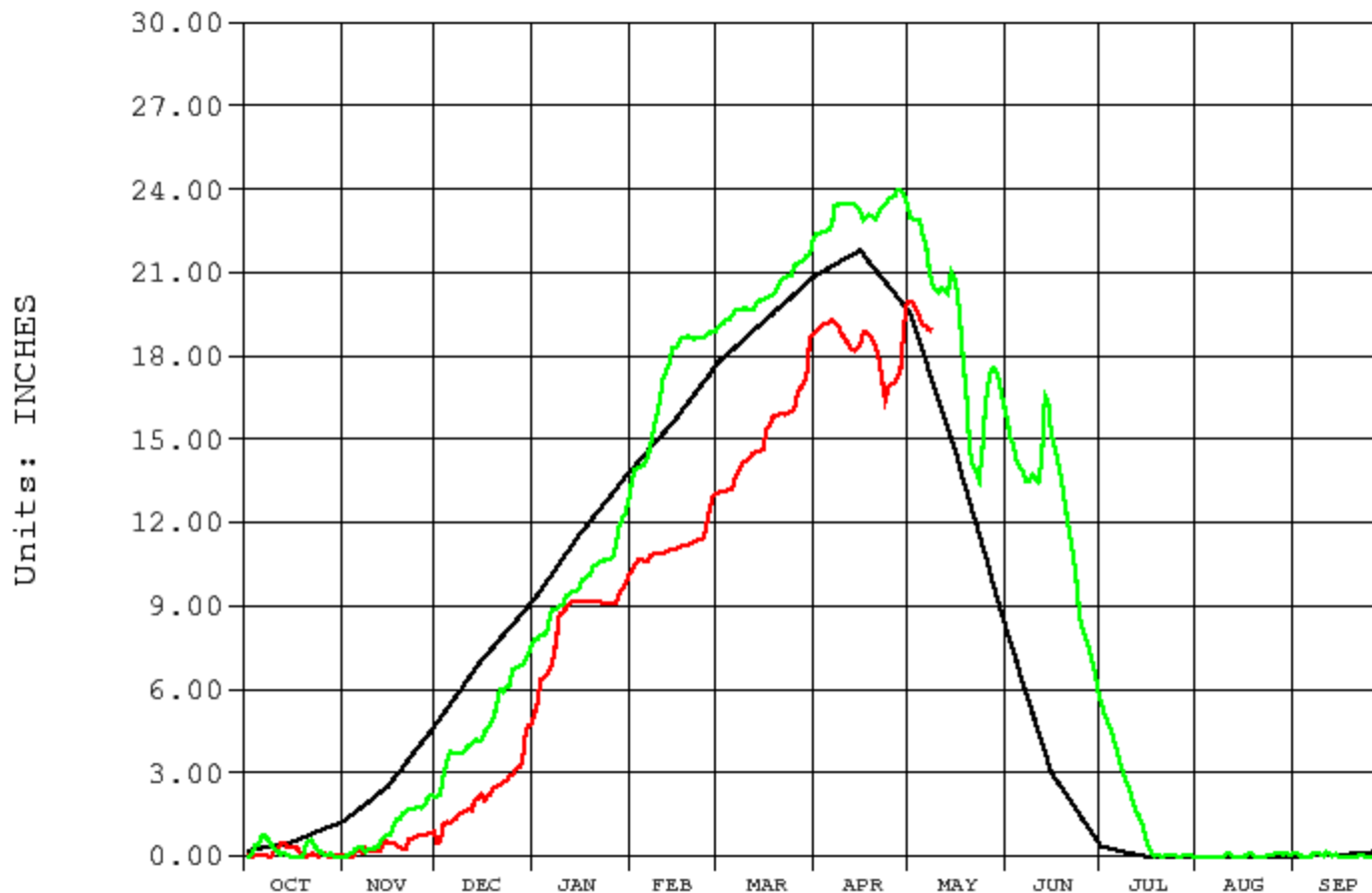
Tiber Reservoir	Initial Cont					Maximum Cont				Minimum Cont				Total
	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
Monthly Inflow	kaf	172.0	181.4	61.4	20.4	15.8	20.9	21.8	15.9	18.3	21.3	52.9	63.0	665.1
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dam Release	kaf	30.7	127.4	96.7	59.4	40.7	42.0	40.7	42.0	42.0	38.0	42.1	40.7	642.4
Dam Release	cfs	499	2141	1573	966	684	683	684	683	683	684	685	684	
End-Month Content	kaf	871.6	925.6	890.3	851.3	826.4	805.3	786.4	760.3	736.6	719.9	730.7	753.0	
End-Month Elevation	ft	2989.97	2993.00	2991.04	2988.77	2987.24	2985.89	2984.64	2982.86	2981.20	2980.00	2980.78	2982.35	
Net Change Content	kaf	141.3	54.0	-35.3	-39.0	-24.9	-21.1	-18.9	-26.1	-23.7	-16.7	10.8	22.3	22.7

LAKE ELWELL



WATER YEAR 2009

Archive Data From 1-OCT Through 30-SEP
Plotted 05/08/2009 10:23



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

2009
2009 2008