

RECLAMATION

Managing Water in the West

May 1, 2009

Dear Customer:

Attached is the monthly water supply outlook and projected reservoir and river operating plans prepared in May. Streamflows into Canyon Ferry were 103 percent of average during April, a 14 percent improvement above that experienced during March. Due to late spring storms across Montana, mountain snowpack above Canyon Ferry increased to 117 percent of average by May 1. Based on the latest snowpack conditions, the May 1 forecast indicates the May-July runoff into Canyon Ferry is expected to be about 108 percent of average. With storage in Canyon Ferry at 105 percent of average for this time of year, plans are to increase and maintain releases above full powerplant capacity to control the snowmelt runoff into Canyon Ferry. If you have any questions or concerns or need further information, please call me during the day at (406) 247-7318.

Tim H. Felchle
Reservoir and River Operations



U. S. Department of the Interior
Bureau of Reclamation
Montana Area Office
River and Reservoir Operations

CANYON FERRY RESERVOIR OPERATIONS
Water Supply Forecasts and Reservoir Operations
May 1, 2009

Present Elevation & Storage: 3785.70 & 1,528,290 acre-feet (105 percent of normal)

Actual Inflows (1,000 Acre-Feet):

<u>Month</u>	<u>Inflow</u>	<u>Percent of Normal</u>
April	220.5	63
May	581.0	101
June	967.1	126
July	430.6	127
April-July, 2008	2,199.2	108
August	111.2	65
September	244.7	115
WY-2008 Total	3,627.5	92
October	195.8	68
November	233.3	79
December	176.0	73
January	204.1	92
February	203.2	92
March	239.8	89
April	359.2	103

May 1 Runoff Forecast – May-July Inflow (1,000 Acre-Feet):

<u>Agency</u>	<u>Inflow</u>	<u>Percent of Normal</u>
USBR	1,779	106
NRCS	1,837	109
<u>CORPS</u>	<u>N.A.</u>	<u>N.A.</u>
Average	1,808	108

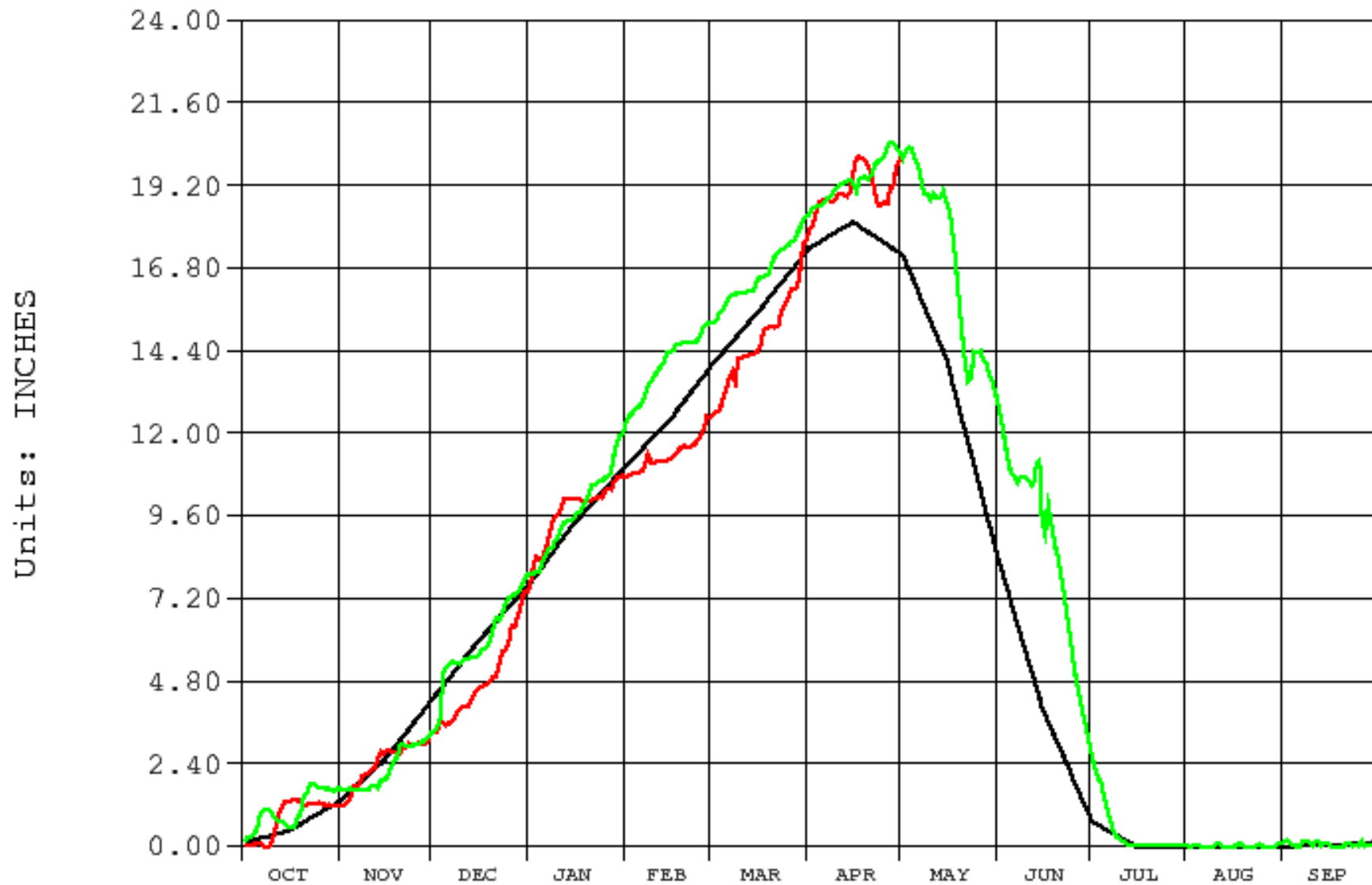
Snowpack Conditions:

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 %
JEFFERSON RIVER BASIN							
ALBRO LAKE	8300	27.2	23.4	116	30.5	25.8	118
BARKER LAKES	8250	22.8	16.3	140	26.2	20.4	128
BASIN CREEK	7180	9.5	10.1	94	15.6	12.1	129
BEAGLE SPRINGS	8850	12.7	9.5	134	16.5	13.8	120
BLOODY DICK	7600	15.4	11.2	138	21.3	18.2	117
CALVERT CREEK	6430	5.9	2.6	227	12.6	12.1	104
CLOVER MEADOW	8600	20.5	19.6	105	22.5	22.0	102
DARKHORSE LAKE	8600	37.7	35.4	106	35.9	35.8	100
DIVIDE	7800	13.0	12.1	107	16.1	15.1	107
FROHNER MEADOW	6480	10.2	6.6	155	16.4	13.4	122
LAKEVIEW RIDGE	7400	12.9	9.0	143	20.0	17.1	117
LEMHI RIDGE	8100	16.4	11.0	149	20.1	17.1	118
LOWER TWIN	7900	23.8	21.4	111	29.5	25.3	117

MOOSE CREEK	6200	15.4	14.4	107	25.4	22.5	113
MULE CREEK	8300	20.7	17.1	121	21.9	19.1	115
ROCKER PEAK	8000	20.4	16.6	123	23.0	18.6	124
SADDLE MTN.	7940	26.9	26.6	101	28.6	30.8	93
SHORT CREEK	7000	6.3	4.8	131	10.6	9.0	118
WHITE ELEPHANT	7710	26.4	27.9	95	31.2	34.4	91
Basin wide percent of average				116			111
MADISON RIVER BASIN							
ALBRO LAKE	8300	27.2	23.4	116	30.5	25.8	118
BEAVER CREEK	7850	23.3	18.9	123	27.1	24.3	112
BLACK BEAR	8170	40.2	40.1	100	41.3	45.7	90
CARROT BASIN	9000	33.6	31.0	108	37.0	32.5	114
CLOVER MEADOW	8600	20.5	19.6	105	22.5	22.0	102
LONE MOUNTAIN	8880	23.0	20.7	111	21.4	24.1	89
LOWER TWIN	7900	23.8	21.4	111	29.5	25.3	117
MADISON PLATEAU	7750	25.6	24.4	105	29.3	30.3	97
TEPEE CREEK	8000	15.5	13.8	112	19.0	17.9	106
WEST YELLOWSTONE	6700	6.9	6.5	106	17.5	14.9	117
WHISKEY CREEK	6800	18.7	15.4	121	24.3	24.1	101
Basin wide percent of average				110			104
GALLATIN RIVER BASIN							
BEAVER CREEK	7850	23.3	18.9	123	27.1	24.3	112
BRACKETT CREEK	7320	25.5	21.6	118	33.9	30.4	112
CARROT BASIN	9000	33.6	31.0	108	37.0	32.5	114
LICK CREEK	6860	13.8	10.4	133	18.8	19.2	98
LONE MOUNTAIN	8880	23.0	20.7	111	21.4	24.1	89
SACAJAWEA	6550	13.9	13.4	104	31.4	27.3	115
SHOWER FALLS	8100	32.6	27.0	121	33.7	30.3	111
Basin wide percent of average				116			108
MISSOURI HEADWATERS							
ALBRO LAKE	8300	27.2	23.4	116	30.5	25.8	118
BARKER LAKES	8250	22.8	16.3	140	26.2	20.4	128
BASIN CREEK	7180	9.5	10.1	94	15.6	12.1	129
BEAGLE SPRINGS	8850	12.7	9.5	134	16.5	13.8	120
BEAVER CREEK	7850	23.3	18.9	123	27.1	24.3	112
BLACK BEAR	8170	40.2	40.1	100	41.3	45.7	90
BLOODY DICK	7600	15.4	11.2	138	21.3	18.2	117
BRACKETT CREEK	7320	25.5	21.6	118	33.9	30.4	112
CALVERT CREEK	6430	5.9	2.6	227	12.6	12.1	104
CARROT BASIN	9000	33.6	31.0	108	37.0	32.5	114
CLOVER MEADOW	8600	20.5	19.6	105	22.5	22.0	102
DARKHORSE LAKE	8600	37.7	35.4	106	35.9	35.8	100
DIVIDE	7800	13.0	12.1	107	16.1	15.1	107
FROHNER MEADOW	6480	10.2	6.6	155	16.4	13.4	122
LAKEVIEW RIDGE	7400	12.9	9.0	143	20.0	17.1	117
LEMHI RIDGE	8100	16.4	11.0	149	20.1	17.1	118
LICK CREEK	6860	13.8	10.4	133	18.8	19.2	98
LONE MOUNTAIN	8880	23.0	20.7	111	21.4	24.1	89
LOWER TWIN	7900	23.8	21.4	111	29.5	25.3	117
MADISON PLATEAU	7750	25.6	24.4	105	29.3	30.3	97
MOOSE CREEK	6200	15.4	14.4	107	25.4	22.5	113
MULE CREEK	8300	20.7	17.1	121	21.9	19.1	115
ROCKER PEAK	8000	20.4	16.6	123	23.0	18.6	124
SACAJAWEA	6550	13.9	13.4	104	31.4	27.3	115
SADDLE MTN.	7940	26.9	26.6	101	28.6	30.8	93
SHORT CREEK	7000	6.3	4.8	131	10.6	9.0	118
SHOWER FALLS	8100	32.6	27.0	121	33.7	30.3	111
TEPEE CREEK	8000	15.5	13.8	112	19.0	17.9	106
WEST YELLOWSTONE	6700	6.9	6.5	106	17.5	14.9	117
WHISKEY CREEK	6800	18.7	15.4	121	24.3	24.1	101
WHITE ELEPHANT	7710	26.4	27.9	95	31.2	34.4	91
Basin wide percent of average				114			108

Archive Data From 1-OCT Through 30-SEP
Plotted 05/01/2009 08:40



CFR Canyon Ferry Lake, Missouri River near Helena, MT
SE_AVG Snow Water Equivalent Average (inches)
SE Snow Water Equivalent (inches)

2009
2009 2008

CANYON FERRY LAKE MONTHLY OPERATIONS

Canyon Ferry Reservoir		Initial Cont Elev 3785.70 ft				Maximum Cont Elev 3800.00 ft				Minimum Cont Elev 3732.31 ft				Total
	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Reservoir Inflow	kaf	609.9	850.1	347.8	172.3	221.9	291.6	305.9	254.6	220.0	224.7	273.0	355.4	4127.2
Evaporation Loss	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
HV Canal Diversions	kaf	22.0	17.0	21.0	21.0	12.0	0.0	0.0	0.0	0.0	0.0	4.0	11.0	108.0
HV Pump Turbines	kaf	26.5	18.3	21.0	21.6	12.7	0.0	0.0	0.0	0.0	0.0	5.1	14.6	119.8
Turbine Release	kaf	350.9	322.4	317.5	226.8	222.0	240.9	317.0	331.0	335.2	307.1	342.7	358.1	3671.6
Turbine Release	cfs	5707	5418	5164	3689	3731	3918	5327	5383	5452	5530	5573	6018	
Spill/Waste	kaf	130.4	208.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	339.3
River Release	kaf	507.8	549.6	338.5	248.4	234.7	240.9	317.0	331.0	335.2	307.1	347.8	372.7	4130.7
River Release	cfs	8259	9236	5505	4040	3944	3918	5327	5383	5452	5530	5656	6263	
Min Release	cfs	3959	3707	3981	3975	3944	3918	3936	3939	3928	3893	3880	3911	
Total Dam Release	kaf	529.8	566.6	359.5	269.4	246.7	240.9	317.0	331.0	335.2	307.1	351.8	383.7	4238.7
Total Dam Release	cfs	8616	9522	5847	4381	4146	3918	5327	5383	5452	5530	5721	6448	
End-Month Content	kaf	1608.4	1891.9	1880.2	1783.1	1758.3	1809.0	1797.9	1721.5	1606.3	1523.9	1445.1	1416.8	
End-Month Elevation	ft	3788.3	3797.0	3796.7	3793.7	3792.9	3794.5	3794.2	3791.8	3788.2	3785.6	3783.0	3782.0	
Net Change	kaf	80.1	283.5	-11.7	-97.1	-24.8	50.7	-11.1	-76.4	-115.2	-82.4	-78.8	-28.3	-111.5
Canyon Ferry Power	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Turbine Release	cfs	5707	5418	5164	3689	3731	3918	5327	5383	5452	5530	5573	6018	
Tailwater Elev	ft	3651.4	3651.5	3651.0	3650.8	3650.8	3650.8	3651.0	3651.0	3651.0	3651.0	3651.0	3651.1	
Average Head	ft	135.6	141.2	145.8	144.4	142.5	142.9	143.3	142.0	139.0	135.9	133.3	131.4	
Average Power	mw	60.0	60.0	59.2	40.8	40.9	43.4	60.0	60.0	59.4	58.7	57.9	60.0	
Average Kwh/Af		127	134	139	134	133	134	136	135	132	128	126	121	131
Generation	gwh	44.640	43.200	44.067	30.340	29.455	32.312	43.186	44.633	44.194	39.460	43.063	43.186	481.736
End-Month Power Cap	mw	60	60	60	60	60	60	60	60	60	60	60	60	
Hauser	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Missouri Gain	kaf	5.4	13.1	1.3	3.3	5.2	9.1	8.4	8.8	9.0	9.3	10.2	9.0	92.1
End-Month Content	kaf	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	
Release	kaf	513.2	562.7	339.8	251.7	239.9	250.0	325.4	339.8	344.2	316.4	358.0	381.7	4222.8
Release	cfs	8346	9456	5526	4094	4032	4066	5469	5526	5598	5697	5822	6415	
Turbine Release	cfs	4740	4740	4740	4094	4032	4066	4740	4740	4740	4740	4740	4740	
Turbine Bypass	cfs	3606	4716	786	0	0	0	729	786	858	957	1082	1675	
Generation	gwh	12.272	11.877	12.272	10.600	10.103	10.527	11.877	12.272	12.272	11.085	12.272	11.877	139.306
Holter	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Missouri Gain	kaf	3.3	10.3	6.0	4.4	4.1	2.1	1.4	1.1	1.6	2.2	3.3	2.3	42.1
End-Month Content	kaf	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
Release	kaf	516.5	573.0	345.8	256.1	244.0	252.1	326.8	340.9	345.8	318.6	361.3	384.0	4264.9
Release	cfs	8400	9630	5624	4165	4101	4100	5492	5544	5624	5737	5876	6453	
Min Release	cfs	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	
Turbine Release	cfs	7100	7100	5624	4165	4101	4100	5492	5544	5624	5737	5876	6453	
Turbine Bypass	cfs	1300	2530	0	0	0	0	0	0	0	0	0	0	
Generation	gwh	37.188	35.988	29.457	21.815	20.787	21.475	27.838	29.038	29.457	27.141	30.777	32.709	343.670

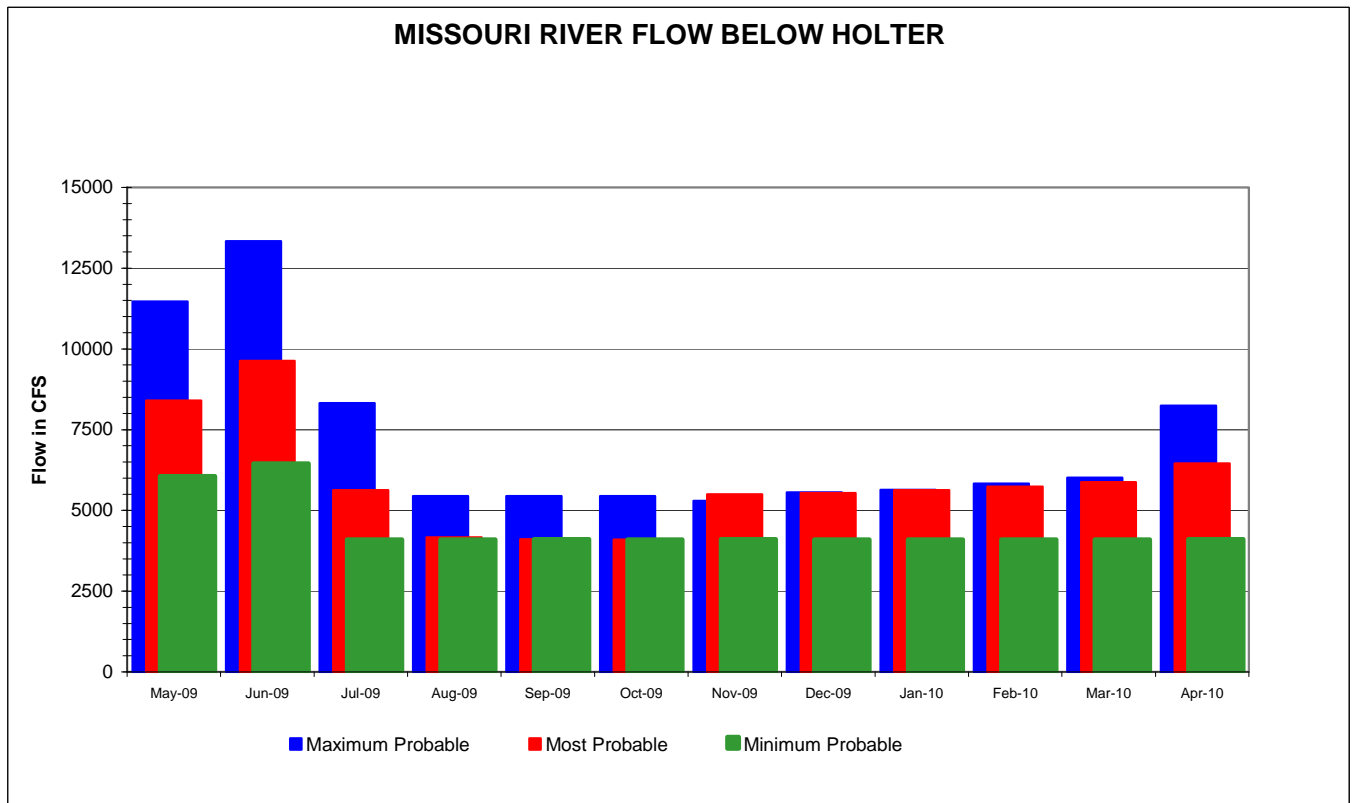
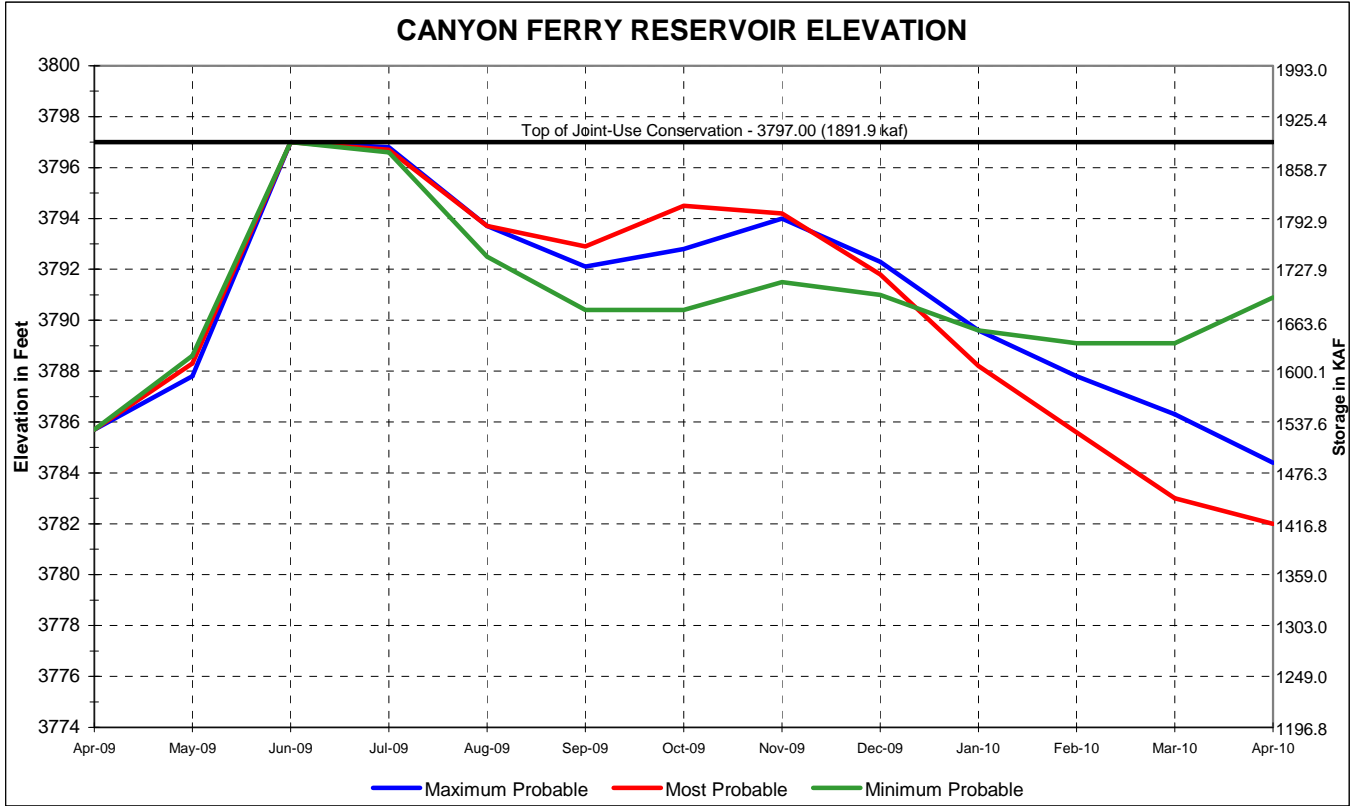
CANYON FERRY LAKE MONTHLY OPERATIONS

Canyon Ferry Reservoir		Initial Cont Elev 3785.70 ft				Maximum Cont Elev 3800.00 ft				Minimum Cont Elev 3732.31 ft				Total
	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
Reservoir Inflow	kaf	485.2	662.4	251.7	134.5	184.5	252.4	271.0	229.2	202.8	203.4	245.7	305.4	3428.2
Evaporation Loss	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
HV Canal Diversions	kaf	22.0	17.0	21.0	21.0	12.0	4.0	0.0	0.0	0.0	0.0	4.0	11.0	112.0
HV Pump Turbines	kaf	26.4	18.2	21.0	21.8	13.2	4.5	0.0	0.0	0.0	0.0	4.6	12.4	122.1
Turbine Release	kaf	344.6	320.9	224.5	226.3	226.6	242.1	237.9	244.4	247.5	219.4	237.0	222.7	2993.9
Turbine Release	cfs	5604	5393	3651	3680	3808	3937	3998	3975	4025	3951	3854	3743	
Spill/Waste	kaf	0.0	34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9
River Release	kaf	371.0	374.0	245.5	248.1	239.8	246.6	237.9	244.4	247.5	219.4	241.6	235.1	3150.9
River Release	cfs	6034	6285	3993	4035	4030	4011	3998	3975	4025	3951	3929	3951	
Min Release	cfs	3274	3138	3993	4035	4030	4011	3998	3975	4025	3951	3929	3951	
Total Dam Release	kaf	393.0	391.0	266.5	269.1	251.8	250.6	237.9	244.4	247.5	219.4	245.6	246.1	3262.9
Total Dam Release	cfs	6392	6571	4334	4376	4232	4076	3998	3975	4025	3951	3994	4136	
End-Month Content	kaf	1620.5	1891.9	1877.1	1742.5	1675.2	1677.0	1710.1	1694.9	1650.2	1634.2	1634.3	1693.6	
End-Month Elevation	ft	3788.6	3797.0	3796.6	3792.5	3790.4	3790.4	3791.5	3791.0	3789.6	3789.1	3789.1	3790.9	
Net Change	kaf	92.2	271.4	-14.8	-134.6	-67.3	1.8	33.1	-15.2	-44.7	-16.0	0.1	59.3	165.3
Canyon Ferry Power	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Turbine Release	cfs	5604	5393	3651	3680	3808	3937	3998	3975	4025	3951	3854	3743	
Tailwater Elev	ft	3651.1	3651.1	3650.8	3650.8	3650.8	3650.8	3650.8	3650.8	3650.8	3650.8	3650.8	3650.8	
Average Head	ft	136.1	141.8	146.0	143.7	140.6	139.6	140.1	140.4	139.5	138.5	138.3	139.2	
Average Power	mw	59.4	60.0	40.6	40.5	41.5	42.8	43.7	43.5	43.9	42.7	41.5	40.3	
Average Kwh/Af		128	135	135	133	132	132	132	132	132	131	130	130	132
Generation	gwh	44.201	43.200	30.221	30.147	29.851	31.873	31.493	32.379	32.669	28.721	30.854	29.016	394.625
End-Month Power Cap	mw	60	60	60	60	60	60	60	60	60	60	60	60	
Hauser	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Missouri Gain	kaf	0.4	1.9	1.9	0.9	1.8	4.0	4.8	7.1	4.5	7.2	8.6	7.8	50.9
End-Month Content	kaf	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	
Release	kaf	371.4	375.9	247.4	249.0	241.6	250.6	242.7	251.5	252.0	226.6	250.2	242.9	3201.8
Release	cfs	6040	6317	4024	4050	4060	4076	4079	4090	4098	4080	4069	4082	
Turbine Release	cfs	4740	4740	4024	4050	4060	4076	4079	4090	4098	4080	4069	4082	
Turbine Bypass	cfs	1300	1577	0	0	0	0	0	0	0	0	0	0	
Generation	gwh	12.272	11.877	10.419	10.486	10.173	10.553	10.220	10.590	10.610	9.541	10.535	10.228	127.504
Holter	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Missouri Gain	kaf	1.2	7.8	4.7	3.1	2.4	1.5	1.3	0.6	0.1	1.1	1.9	1.1	26.8
End-Month Content	kaf	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
Release	kaf	372.6	383.7	252.1	252.1	244.0	252.1	244.0	252.1	252.1	227.7	252.1	244.0	3228.6
Release	cfs	6060	6448	4100	4100	4101	4100	4101	4100	4100	4100	4100	4101	
Min Release	cfs	3300	3300	4100	4100	4100	4100	4100	4100	4100	4100	4100	4100	
Turbine Release	cfs	6060	6448	4100	4100	4101	4100	4101	4100	4100	4100	4100	4101	
Turbine Bypass	cfs	0	0	0	0	0	0	0	0	0	0	0	0	
Generation	gwh	31.741	32.684	21.475	21.475	20.787	21.475	20.787	21.475	21.475	19.397	21.475	20.787	275.033

CANYON FERRY LAKE MONTHLY OPERATIONS

Canyon Ferry Reservoir		Initial Cont Elev 3785.70 ft 1528.3 kaf				Maximum Cont Elev 3800.00 ft 1993.0 kaf				Minimum Cont Elev 3732.31 ft 445.5 kaf				Total
	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
Reservoir Inflow	kaf	770.1	1058.6	503.6	235.2	268.4	344.3	343.7	274.0	248.3	253.0	310.5	426.8	5036.5
Evaporation Loss	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
HV Canal Diversions	kaf	22.0	17.0	21.0	21.0	12.0	4.0	0.0	0.0	0.0	0.0	4.0	11.0	112.0
HV Pump Turbines	kaf	26.6	18.3	20.9	21.5	12.8	4.3	0.0	0.0	0.0	0.0	4.8	13.7	122.9
Turbine Release	kaf	353.7	324.8	322.4	295.4	295.7	313.9	303.6	330.4	335.2	308.9	348.1	345.7	3877.8
Turbine Release	cfs	5752	5459	5244	4804	4969	5105	5102	5373	5452	5562	5661	5809	
Spill/Waste	kaf	301.0	401.7	145.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116.3	964.7
River Release	kaf	681.3	744.8	489.0	316.9	308.5	318.2	303.6	330.4	335.2	308.9	352.9	475.7	4965.4
River Release	cfs	11080	12517	7953	5154	5185	5175	5102	5373	5452	5562	5739	7994	
Min Release	cfs	3711	3284	3731	3807	3838	3828	5099	3915	3915	3833	3825	3850	
Total Dam Release	kaf	703.3	761.8	510.0	337.9	320.5	322.2	303.6	330.4	335.2	308.9	356.9	486.7	5077.4
Total Dam Release	cfs	11438	12802	8294	5495	5386	5240	5102	5373	5452	5562	5804	8179	
End-Month Content	kaf	1595.1	1891.9	1885.5	1782.8	1730.7	1752.8	1792.9	1736.5	1649.6	1593.7	1547.3	1487.4	
End-Month Elevation	ft	3787.8	3797.0	3796.8	3793.7	3792.1	3792.8	3794.0	3792.3	3789.6	3787.8	3786.3	3784.4	
Net Change	kaf	66.8	296.8	-6.4	-102.7	-52.1	22.1	40.1	-56.4	-86.9	-55.9	-46.4	-59.9	-40.9
Canyon Ferry Power	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Turbine Release	cfs	5752	5459	5244	4804	4969	5105	5102	5373	5452	5562	5661	5809	
Tailwater Elev	ft	3651.9	3652.2	3651.3	3651.0	3651.0	3651.0	3651.0	3651.0	3651.0	3651.0	3651.0	3651.3	
Average Head	ft	134.9	140.3	145.6	144.3	141.9	141.4	142.4	142.1	139.9	137.7	136.1	134.0	
Average Power	mw	60.0	60.0	60.0	54.7	55.7	57.0	57.3	60.0	59.8	59.8	59.9	60.0	
Average Kwh/Af		126	133	138	138	136	135	136	135	133	130	128	125	133
Generation	gwh	44.640	43.200	44.640	40.689	40.118	42.401	41.270	44.610	44.484	40.179	44.536	43.200	513.967
End-Month Power Cap	mw	60	60	60	60	60	60	60	60	60	60	60	60	
Hauser	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Missouri Gain	kaf	17.2	34.1	13.3	10.8	10.0	13.0	9.3	9.4	8.9	11.9	13.3	11.8	163.0
End-Month Content	kaf	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	
Release	kaf	698.5	778.9	502.3	327.7	318.5	331.2	312.9	339.8	344.1	320.8	366.2	487.5	5128.4
Release	cfs	11360	13090	8169	5330	5353	5386	5258	5526	5596	5776	5956	8193	
Turbine Release	cfs	4740	4740	4740	4740	4740	4740	4740	4740	4740	4740	4740	4740	
Turbine Bypass	cfs	6620	8350	3429	590	613	646	518	786	856	1036	1216	3453	
Generation	gwh	12.272	11.877	12.272	12.272	11.877	12.272	11.877	12.272	12.272	11.085	12.272	11.877	144.497
Holter	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Missouri Gain	kaf	6.7	14.5	9.4	7.2	5.6	3.7	2.0	2.0	2.5	2.9	3.6	3.1	63.2
End-Month Content	kaf	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
Release	kaf	705.2	793.4	511.7	334.9	324.1	334.9	314.9	341.8	346.6	323.7	369.8	490.6	5191.6
Release	cfs	11469	13334	8322	5447	5447	5447	5292	5559	5637	5829	6014	8245	
Min Release	cfs	4100	4100	4100	4100	4100	4100	5289	4100	4100	4100	4100	4100	
Turbine Release	cfs	7100	7100	7100	5447	5447	5447	5292	5559	5637	5829	6014	7100	
Turbine Bypass	cfs	4369	6234	1222	0	0	0	0	0	0	0	0	1145	
Generation	gwh	37.188	35.988	37.188	28.530	27.610	28.530	26.824	29.117	29.525	27.576	31.500	35.988	375.564

CANYON FERRY RESERVOIR



WATER YEAR 2009