

# RECLAMATION

*Managing Water in the West*

November 2, 2009

Dear Customer:

Attached are the monthly water supply outlook and projected reservoir and river operating plans as prepared on November 2, 2009. If you have any questions or concerns, please call me at (406) 247-7334.

Chuck Heinje  
Reservoir and River Operations



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

**SUN RIVER PROJECT OPERATIONS**  
 Water Supply Forecasts and Reservoir Operations  
 November 1, 2009

**Elevations & Storages:**

<u>Reservoir</u>	<u>Storage</u>	<u>Percent of Normal</u>	<u>Percent of Full</u>
Gibson	13,844	46.2	14.4
Willow Creek	25,200	132.6	79.3
Pishkun	23,900	68.5	49.9

**Actual Inflows to Gibson Reservoir (1,000 Acre-Feet):**

<u>Month</u>	<u>Inflow</u>	<u>Percent of Normal</u>
(April-July 2009)	389.6	82
(April-July 2008)	530.7	115
(WY 2008)	627.6	102
(WY 2009)	509.8	83
October	14.5	77
November	17.5	102
December	13.3	85
January	12.4	90
February	8.7	72
March	10.7	73
April	44.5	111
May	157.2	92
June	140.1	71
July	47.9	70
August	24.6	93
September	18.4	96
October	13.0	69

**November 1 Forecast of November Inflow (1,000 Acre-Feet):**

<u>Month</u>	<u>Inflow</u>	<u>Percent of Normal</u>
Reclamation	14.6	84
NRCS	N.A.	N.A.
<b>Average</b>	<b>14.6</b>	<b>84</b>

UPPER SUN RIVER MONTHLY OPERATIONS

Gibson Reservoir		Initial Cont		13.8 kaf		Maximum Cont		96.5 kaf		Minimum Cont		5.0 kaf		Total	
2009		Elev	4630.46 ft	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
Monthly Inflow	kaf	14.6	13.3	11.6	10.2	12.7	34.6	160.0	170.0	60.0	24.0	18.0	17.0	546.0	
Spillway Rels	cfs	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Release	kaf	18.9	5.3	5.4	5.0	5.3	15.9	130.0	158.5	89.0	65.5	30.4	9.1	538.3	
Total Release	cfs	318	86	88	90	86	267	2114	2664	1447	1065	511	148		
End-Month Content	kaf	9.5	17.5	23.7	28.9	36.3	55.0	85.0	96.5	67.5	26.0	13.6	21.5		
End-Month Elevation	ft	4621.16	4637.59	4648.47	4656.69	4667.14	4688.34	4715.01	4724.02	4700.27	4652.21	4630.06	4644.73		
End-Month Area	acre	425.2	540.2	598.6	664.8	755.2	995.4	1255.1	1296.2	1108.5	628.4	494.5	579.0		
Net Change Content	kaf	-4.3	8.0	6.2	5.2	7.4	18.7	30.0	11.5	-29.0	-41.5	-12.4	7.9	7.7	
Sun River Div Dam		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Gain Below Gibson	cfs	15	13	11	11	13	35	156	171	59	23	18	16		
Rels to WFC	cfs	0	0	0	0	0	74	55	0	0	0	76	65		
Rels to PSC	cfs	232	0	0	0	0	10	960	1333	1249	803	289	0		
Total Diversion	kaf	13.8	0.0	0.0	0.0	0.0	5.0	62.4	79.3	76.8	49.4	21.7	4.0	312.4	
Total Diversion	cfs	232	0	0	0	0	84	1015	1333	1249	803	365	65		
Flow Over Div Dam	kaf	6.0	6.1	6.1	5.6	6.1	13.0	77.2	89.4	15.8	17.5	9.8	6.1	258.7	
Flow Over Div Dam	cfs	101	99	99	101	99	218	1256	1502	257	285	165	99		
Min River Rels	kaf	6.0	6.1	6.1	5.6	6.1	6.0	9.2	8.9	6.8	6.8	6.5	6.1	80.2	
Min River Rels	cfs	100	100	100	100	100	100	150	150	110	110	110	100		
Willow Crk Operations		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
					25.2 kaf		Maximum Cont		31.9 kaf		Minimum Cont		0.1 kaf		
					4137.28 ft		Elev		4142.04 ft		Elev		4093.42 ft		
Native Inflow	kaf	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total Inflow	kaf	0.0	0.0	0.0	0.0	0.1	3.8	2.9	0.0	0.0	0.0	3.8	3.4	14.0	
WCR Dam Rels	kaf	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	6.9	7.0	0.0	0.0	14.0	
End-Month Content	kaf	25.2	25.2	25.2	25.2	25.2	29.0	31.9	31.9	25.0	18.0	21.8	25.2		
End-Month Elevation	ft	4137.28	4137.28	4137.28	4137.28	4137.28	4140.02	4142.04	4142.04	4137.13	4131.58	4134.72	4137.28		
Net Change Content	kaf	0.0	0.0	0.0	0.0	0.0	3.8	2.9	0.0	-6.9	-7.0	3.8	3.4	-0.0	
Pishkun Operations		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
					23.3 kaf		Maximum Cont		46.7 kaf		Minimum Cont		16.0 kaf		
					4351.02 ft		Elev		4370.00 ft		Elev		4341.99 ft		
Rels to PSC	kaf	13.8	0.0	0.0	0.0	0.0	0.6	59.0	79.3	76.8	49.4	17.2	0.0	296.1	
Total Inflow	kaf	11.7	0.0	0.0	0.0	0.0	0.5	47.2	65.0	65.3	42.0	14.6	0.0	246.3	
PSH Dam Rels	kaf	0.0	0.0	0.0	0.0	0.0	0.5	35.5	65.0	79.0	39.0	14.0	0.0	233.0	
End-Month Content	kaf	35.0	35.0	35.0	35.0	35.0	35.0	46.7	46.7	33.0	36.0	36.6	36.6		
End-Month Elevation	ft	4361.78	4361.78	4361.78	4361.78	4361.78	4361.78	4370.00	4370.00	4360.21	4362.54	4362.99	4362.99		
Net Change Content	kaf	11.7	0.0	0.0	0.0	0.0	0.0	11.7	0.0	-13.7	3.0	0.6	0.0	13.3	
Greenfields Irrig		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
GID Demand	kaf	0.0	0.0	0.0	0.0	0.0	0.5	35.5	65.0	79.0	39.0	14.0	0.0	233.0	
GID Delivery	kaf	0.0	0.0	0.0	0.0	0.0	0.5	35.5	65.0	79.0	39.0	14.0	0.0	233.0	
River Blw Div Dam		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Flow Over Div Dam	cfs	101	99	99	101	99	218	1256	1502	257	285	165	99		
PSC Return Flow	cfs	29	0	0	0	0	0	153	192	159	109	44	0		
WCR Dam Rels	cfs	0	0	0	0	2	0	0	0	112	114	0	0		
Sr Demand Above	kaf	0.0	0.0	0.0	0.0	0.0	0.0	7.7	12.9	13.3	13.3	2.0	1.0	50.2	
Sr Demand Below	kaf	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.4	5.5	5.5	2.0	1.0	24.9	
Flow @ Ft. Shaw Div	cfs	138	112	114	117	125	267	1306	1494	229	213	151	81		
Ft Shaw Demand	kaf	0.0	0.0	0.0	0.0	0.0	1.0	8.5	8.5	11.0	10.0	6.0	1.0	46.0	
Ft Shaw Tot Deliv	kaf	0.0	0.0	0.0	0.0	0.0	1.0	8.5	8.5	11.0	10.0	6.0	1.0	46.0	
Flow blw Ft. Shaw	cfs	138	112	114	117	125	250	1168	1351	50	50	50	65		

UPPER SUN RIVER MONTHLY OPERATIONS

Gibson Reservoir		Initial Cont		13.8 kaf		Maximum Cont		96.5 kaf		Minimum Cont		5.0 kaf		Total	
2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
Monthly Inflow	kaf	11.3	9.7	10.2	9.2	12.2	33.4	130.3	122.6	43.8	14.4	11.6	11.6	420.3	
Spillway Rels	cfs	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Release	kaf	19.2	5.5	5.5	5.0	5.4	9.0	95.5	111.1	93.5	56.2	11.6	11.6	429.1	
Total Release	cfs	323	89	89	90	88	151	1553	1867	1521	914	195	189		
End-Month Content	kaf	5.9	10.1	14.8	19.0	25.8	50.2	85.0	96.5	46.8	5.0	5.0	5.0		
End-Month Elevation	ft	4611.80	4622.55	4632.45	4640.33	4651.89	4683.41	4715.01	4724.02	4679.76	4608.95	4608.95	4608.95		
End-Month Area	acre	334.8	436.6	509.3	555.9	625.8	951.3	1255.1	1296.2	913.5	297.4	297.4	297.4		
Net Change Content	kaf	-7.9	4.2	4.7	4.2	6.8	24.4	34.8	11.5	-49.7	-41.8	0.0	0.0	-8.8	
Sun River Div Dam		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Gain Below Gibson	cfs	10	10	10	11	11	34	127	123	42	15	12	11		
Rels to WFC	cfs	0	0	0	0	0	76	54	0	0	0	0	0		
Rels to PSC	cfs	232	0	0	0	0	0	960	1329	1309	660	49	101		
Total Diversion	kaf	13.8	0.0	0.0	0.0	0.0	4.5	62.3	79.1	80.5	40.6	2.9	6.2	289.9	
Total Diversion	cfs	232	0	0	0	0	76	1013	1329	1309	660	49	101		
Flow Over Div Dam	kaf	6.0	6.1	6.1	5.6	6.1	6.5	41.0	39.3	15.6	16.5	9.4	6.1	164.3	
Flow Over Div Dam	cfs	101	99	99	101	99	109	667	660	254	268	158	99		
Min River Rels	kaf	6.0	6.1	6.1	5.6	6.1	6.5	6.8	6.5	6.8	6.8	6.5	6.1	75.9	
Min River Rels	cfs	100	100	100	100	100	110	110	110	110	110	110	100		
Willow Crk Operations		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Native Inflow	kaf	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total Inflow	kaf	0.0	0.0	0.0	0.0	0.1	3.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	6.8
WCR Dam Rels	kaf	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	6.9	9.0	5.6	0.0	21.6	
End-Month Content	kaf	25.2	25.2	25.2	25.2	25.2	29.1	31.9	31.9	25.0	16.0	10.4	10.4		
End-Month Elevation	ft	4137.28	4137.28	4137.28	4137.28	4137.28	4140.09	4142.04	4142.04	4137.13	4129.74	4123.72	4123.72		
Net Change Content	kaf	0.0	0.0	0.0	0.0	0.0	3.9	2.8	0.0	-6.9	-9.0	-5.6	0.0	-14.8	
Pishkun Operations		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Rels to PSC	kaf	13.8	0.0	0.0	0.0	0.0	0.0	59.0	79.1	80.5	40.6	2.9	6.2	282.1	
Total Inflow	kaf	11.7	0.0	0.0	0.0	0.0	0.0	47.2	64.9	68.4	34.5	2.5	5.3	234.5	
PSH Dam Rels	kaf	0.0	0.0	0.0	0.0	0.0	0.0	35.5	65.0	80.0	40.0	16.0	0.0	236.5	
End-Month Content	kaf	35.0	35.0	35.0	35.0	35.0	35.0	46.7	46.6	35.0	29.5	16.0	21.3		
End-Month Elevation	ft	4361.78	4361.78	4361.78	4361.78	4361.78	4361.78	4370.00	4369.94	4361.78	4357.23	4341.99	4348.75		
Net Change Content	kaf	11.7	0.0	0.0	0.0	0.0	0.0	11.7	-0.1	-11.6	-5.5	-13.5	5.3	-2.0	
Greenfields Irrig		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
GID Demand	kaf	0.0	0.0	0.0	0.0	0.0	0.0	35.5	65.0	80.0	40.0	16.0	0.0	236.5	
GID Delivery	kaf	0.0	0.0	0.0	0.0	0.0	0.0	35.5	65.0	80.0	40.0	16.0	0.0	236.5	
River Blw Div Dam		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Flow Over Div Dam	cfs	101	99	99	101	99	109	667	660	254	268	158	99		
PSC Return Flow	cfs	29	0	0	0	0	0	153	192	168	88	7	15		
WCR Dam Rels	cfs	0	0	0	0	2	0	0	0	112	146	94	0		
Sr Demand Above	kaf	0.0	0.0	0.0	0.0	0.0	0.0	7.7	12.9	13.3	13.3	2.0	1.0	50.2	
Sr Demand Below	kaf	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.4	5.5	5.5	2.0	1.0	24.9	
Flow @ Ft. Shaw Div	cfs	138	112	114	117	125	158	717	652	234	254	202	96		
Ft Shaw Demand	kaf	0.0	0.0	0.0	0.0	0.0	0.7	7.1	9.2	11.3	12.5	9.0	2.0	51.8	
Ft Shaw Tot Deliv	kaf	0.0	0.0	0.0	0.0	0.0	0.7	7.1	9.2	11.3	12.5	9.0	2.0	51.8	
Flow blw Ft. Shaw	cfs	138	112	114	117	125	146	602	497	50	50	50	63		

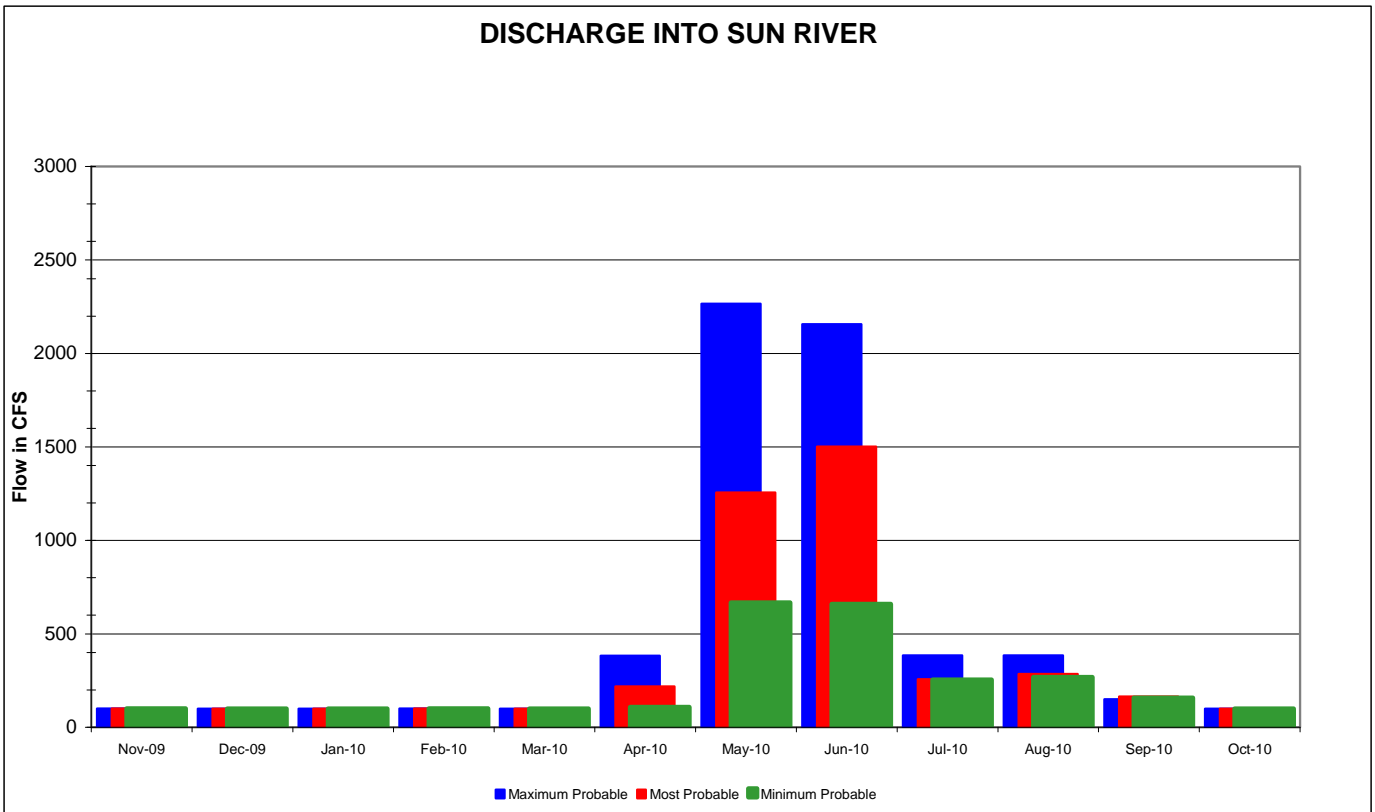
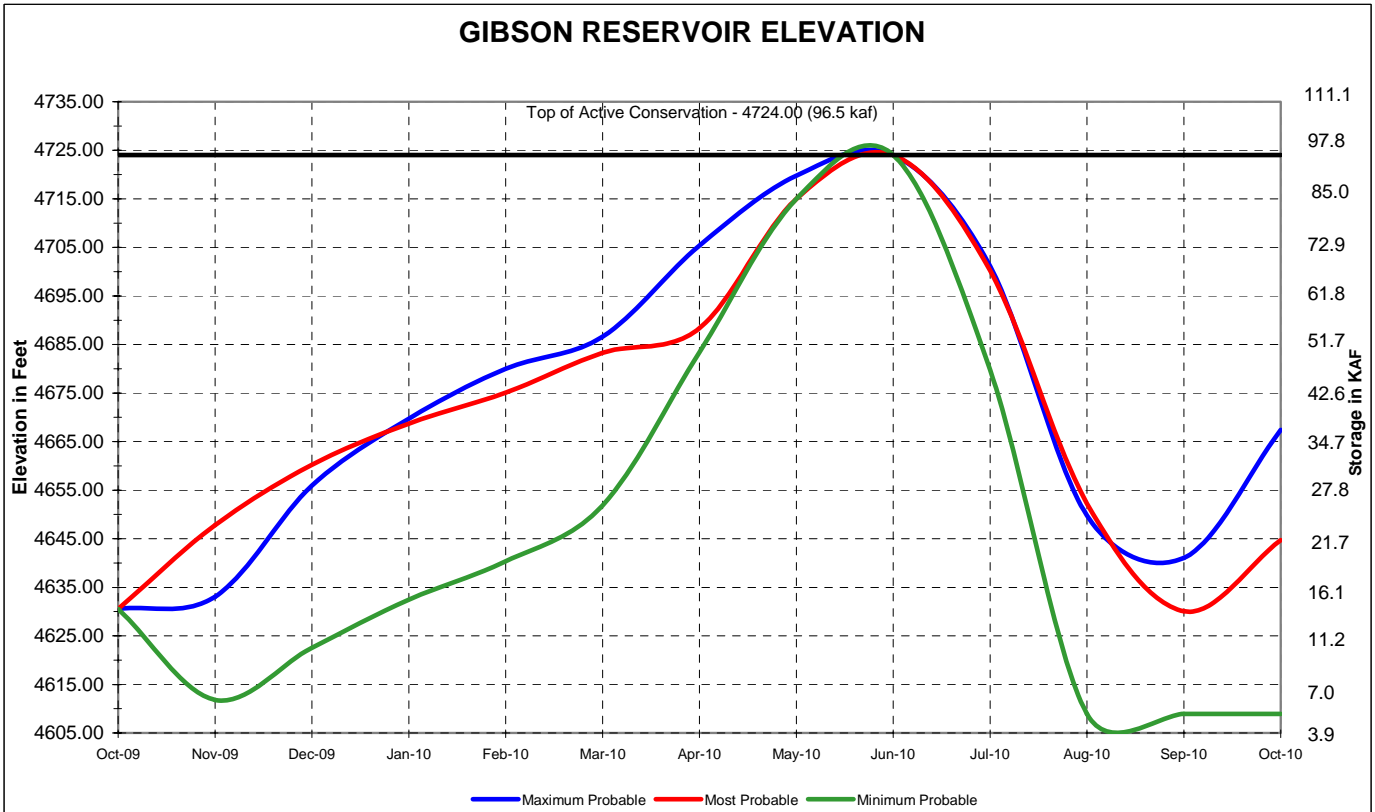
UPPER SUN RIVER MONTHLY OPERATIONS

Gibson Reservoir		Initial Cont		13.8 kaf		Maximum Cont		96.5 kaf		Minimum Cont		5.0 kaf		Total	
2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
Monthly Inflow	kaf	19.9	18.3	15.1	13.5	15.8	45.8	202.1	201.0	68.4	27.4	20.9	21.9	670.1	
Spillway Rels	cfs	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Release	kaf	18.6	5.0	5.2	4.8	9.5	25.8	184.4	195.5	96.4	71.4	26.0	4.8	647.4	
Total Release	cfs	313	81	85	86	155	434	2999	3285	1568	1161	437	78		
End-Month Content	kaf	15.1	28.4	38.3	47.0	53.3	73.3	91.0	96.5	68.5	24.5	19.4	36.5		
End-Month Elevation	ft	4633.04	4655.94	4669.75	4679.98	4686.62	4705.38	4719.75	4724.02	4701.17	4649.80	4641.04	4667.41		
End-Month Area	acre	513.0	658.7	781.7	916.3	981.0	1164.3	1278.9	1296.2	1118.3	605.5	559.7	757.9		
Net Change Content	kaf	1.3	13.3	9.9	8.7	6.3	20.0	17.7	5.5	-28.0	-44.0	-5.1	17.1	22.7	
Sun River Div Dam		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Gain Below Gibson	cfs	20	18	15	14	16	45	197	203	67	26	22	21		
Rels to WFC	cfs	0	0	0	0	72	55	0	0	0	0	0	0	0	
Rels to PSC	cfs	232	0	0	0	0	40	929	1333	1249	803	309	0	0	
Total Diversion	kaf	13.8	0.0	0.0	0.0	4.4	5.7	57.1	79.3	76.8	49.4	18.4	0.0	304.9	
Total Diversion	cfs	232	0	0	0	72	96	929	1333	1249	803	309	0		
Flow Over Div Dam	kaf	6.0	6.1	6.1	5.6	6.1	22.8	139.4	128.3	23.7	23.6	8.9	6.1	382.7	
Flow Over Div Dam	cfs	101	99	99	101	99	383	2267	2156	385	384	150	99		
Min River Rels	kaf	6.0	6.1	6.1	5.6	6.1	6.0	9.2	8.9	9.2	9.2	8.9	6.1	87.4	
Min River Rels	cfs	100	100	100	100	100	100	150	150	150	150	150	100		
Willow Crk Operations		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Native Inflow	kaf	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total Inflow	kaf	0.0	0.0	0.0	0.0	3.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
WCR Dam Rels	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.3	2.5	6.7	
End-Month Content	kaf	25.2	25.2	25.2	25.2	29.0	31.9	31.9	31.9	31.9	31.0	27.7	25.2		
End-Month Elevation	ft	4137.28	4137.28	4137.28	4137.28	4140.02	4142.04	4142.04	4142.04	4142.04	4141.42	4139.10	4137.28		
Net Change Content	kaf	0.0	0.0	0.0	0.0	3.8	2.9	0.0	0.0	0.0	-0.9	-3.3	-2.5	-0.0	
Pishkun Operations		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Rels to PSC	kaf	13.8	0.0	0.0	0.0	0.0	2.4	57.1	79.3	76.8	49.4	18.4	0.0	297.2	
Total Inflow	kaf	11.7	0.0	0.0	0.0	0.0	2.0	45.7	65.0	65.3	42.0	15.6	0.0	247.3	
PSH Dam Rels	kaf	0.0	0.0	0.0	0.0	0.0	1.0	35.0	65.0	79.0	39.0	15.0	0.0	234.0	
End-Month Content	kaf	35.0	35.0	35.0	35.0	35.0	36.0	46.7	46.7	33.0	36.0	36.6	36.6		
End-Month Elevation	ft	4361.78	4361.78	4361.78	4361.78	4361.78	4362.54	4370.00	4370.00	4360.21	4362.54	4362.99	4362.99		
Net Change Content	kaf	11.7	0.0	0.0	0.0	0.0	1.0	10.7	0.0	-13.7	3.0	0.6	0.0	13.3	
Greenfields Irrig		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
GID Demand	kaf	0.0	0.0	0.0	0.0	0.0	1.0	35.0	65.0	79.0	39.0	15.0	0.0	234.0	
GID Delivery	kaf	0.0	0.0	0.0	0.0	0.0	1.0	35.0	65.0	79.0	39.0	15.0	0.0	234.0	
River Blw Div Dam		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Flow Over Div Dam	cfs	101	99	99	101	99	383	2267	2156	385	384	150	99		
PSC Return Flow	cfs	29	0	0	0	0	5	148	192	159	109	47	0		
WCR Dam Rels	cfs	0	0	0	0	0	0	0	0	0	15	55	41		
Sr Demand Above	kaf	0.0	0.0	0.0	0.0	0.0	0.0	7.7	12.9	13.3	13.3	2.0	1.0	50.2	
Sr Demand Below	kaf	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.4	5.5	5.5	2.0	1.0	24.9	
Flow @ Ft. Shaw Div	cfs	138	112	114	117	124	437	2313	2148	246	213	195	122		
Ft Shaw Demand	kaf	0.0	0.0	0.0	0.0	0.0	1.0	10.0	10.0	12.0	10.0	8.0	1.0	52.0	
Ft Shaw Tot Deliv	kaf	0.0	0.0	0.0	0.0	0.0	1.0	10.0	10.0	12.0	10.0	8.0	1.0	52.0	
Flow blw Ft. Shaw	cfs	138	112	114	117	124	420	2150	1980	50	50	61	106		

UPPER SUN RIVER MONTHLY OPERATIONS

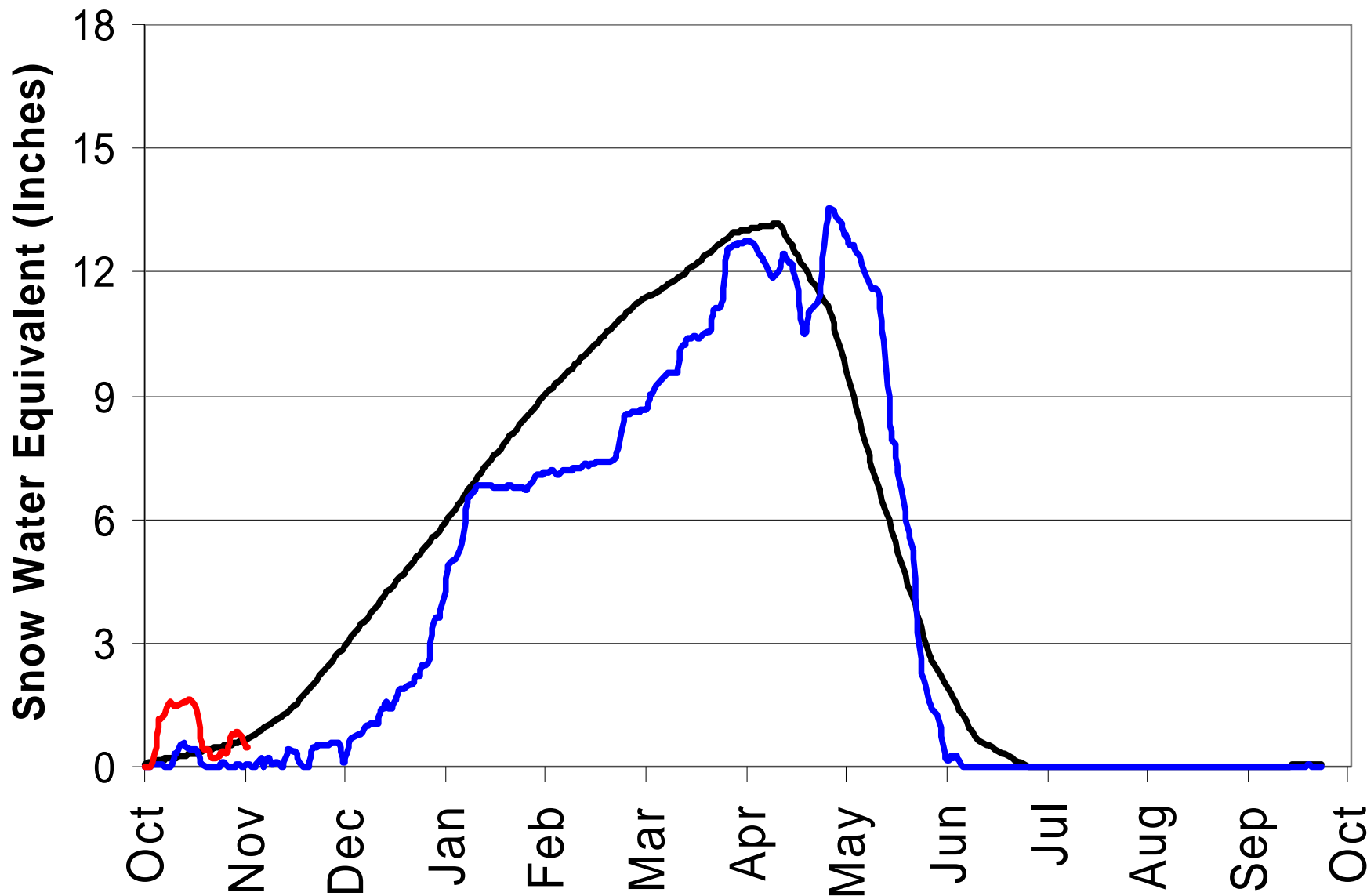
Gibson Reservoir		Initial Cont		13.8 kaf		Maximum Cont		96.5 kaf		Minimum Cont		5.0 kaf		Total	
2009		Elev	4630.46 ft	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct		
Monthly Inflow	kaf	14.6	13.3	11.6	10.2	12.7	34.6	160.0	170.0	60.0	24.0	18.0	17.0	546.0	
Spillway Rels	cfs	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Release	kaf	18.9	5.3	5.4	5.0	5.3	15.9	130.0	158.5	89.0	65.5	30.4	9.1	538.3	
Total Release	cfs	318	86	88	90	86	267	2114	2664	1447	1065	511	148		
End-Month Content	kaf	9.5	17.5	23.7	28.9	36.3	55.0	85.0	96.5	67.5	26.0	13.6	21.5		
End-Month Elevation	ft	4621.16	4637.59	4648.47	4656.69	4667.14	4688.34	4715.01	4724.02	4700.27	4652.21	4630.06	4644.73		
End-Month Area	acre	425.2	540.2	598.6	664.8	755.2	995.4	1255.1	1296.2	1108.5	628.4	494.5	579.0		
Net Change Content	kaf	-4.3	8.0	6.2	5.2	7.4	18.7	30.0	11.5	-29.0	-41.5	-12.4	7.9	7.7	
Sun River Div Dam		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Gain Below Gibson	cfs	15	13	11	11	13	35	156	171	59	23	18	16		
Rels to WFC	cfs	0	0	0	0	0	74	55	0	0	0	76	65		
Rels to PSC	cfs	232	0	0	0	0	10	960	1333	1249	803	289	0		
Total Diversion	kaf	13.8	0.0	0.0	0.0	0.0	5.0	62.4	79.3	76.8	49.4	21.7	4.0	312.4	
Total Diversion	cfs	232	0	0	0	0	84	1015	1333	1249	803	365	65		
Flow Over Div Dam	kaf	6.0	6.1	6.1	5.6	6.1	13.0	77.2	89.4	15.8	17.5	9.8	6.1	258.7	
Flow Over Div Dam	cfs	101	99	99	101	99	218	1256	1502	257	285	165	99		
Min River Rels	kaf	6.0	6.1	6.1	5.6	6.1	6.0	9.2	8.9	6.8	6.8	6.5	6.1	80.2	
Min River Rels	cfs	100	100	100	100	100	100	150	150	110	110	110	100		
Willow Crk Operations		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
		Initial Cont		25.2 kaf		Maximum Cont		31.9 kaf		Minimum Cont		0.1 kaf			
		Elev		4137.28 ft		Elev		4142.04 ft		Elev		4093.42 ft			
Native Inflow	kaf	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Inflow	kaf	0.0	0.0	0.0	0.0	0.1	3.8	2.9	0.0	0.0	0.0	3.8	3.4	14.0	
WCR Dam Rels	kaf	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	6.9	7.0	0.0	0.0	14.0	
End-Month Content	kaf	25.2	25.2	25.2	25.2	25.2	29.0	31.9	31.9	25.0	18.0	21.8	25.2		
End-Month Elevation	ft	4137.28	4137.28	4137.28	4137.28	4137.28	4140.02	4142.04	4142.04	4137.13	4131.58	4134.72	4137.28		
Net Change Content	kaf	0.0	0.0	0.0	0.0	0.0	3.8	2.9	0.0	-6.9	-7.0	3.8	3.4	-0.0	
Pishkun Operations		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
		Initial Cont		23.3 kaf		Maximum Cont		46.7 kaf		Minimum Cont		16.0 kaf			
		Elev		4351.02 ft		Elev		4370.00 ft		Elev		4341.99 ft			
Rels to PSC	kaf	13.8	0.0	0.0	0.0	0.0	0.6	59.0	79.3	76.8	49.4	17.2	0.0	296.1	
Total Inflow	kaf	11.7	0.0	0.0	0.0	0.0	0.5	47.2	65.0	65.3	42.0	14.6	0.0	246.3	
PSH Dam Rels	kaf	0.0	0.0	0.0	0.0	0.0	0.5	35.5	65.0	79.0	39.0	14.0	0.0	233.0	
End-Month Content	kaf	35.0	35.0	35.0	35.0	35.0	35.0	46.7	46.7	33.0	36.0	36.6	36.6		
End-Month Elevation	ft	4361.78	4361.78	4361.78	4361.78	4361.78	4361.78	4370.00	4370.00	4360.21	4362.54	4362.99	4362.99		
Net Change Content	kaf	11.7	0.0	0.0	0.0	0.0	0.0	11.7	0.0	-13.7	3.0	0.6	0.0	13.3	
Greenfields Irrig		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
GID Demand	kaf	0.0	0.0	0.0	0.0	0.0	0.5	35.5	65.0	79.0	39.0	14.0	0.0	233.0	
GID Delivery	kaf	0.0	0.0	0.0	0.0	0.0	0.5	35.5	65.0	79.0	39.0	14.0	0.0	233.0	
River Blw Div Dam		2009	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total
Flow Over Div Dam	cfs	101	99	99	101	99	218	1256	1502	257	285	165	99		
PSC Return Flow	cfs	29	0	0	0	0	0	153	192	159	109	44	0		
WCR Dam Rels	cfs	0	0	0	0	2	0	0	0	112	114	0	0		
Sr Demand Above	kaf	0.0	0.0	0.0	0.0	0.0	0.0	7.7	12.9	13.3	13.3	2.0	1.0	50.2	
Sr Demand Below	kaf	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.4	5.5	5.5	2.0	1.0	24.9	
Flow @ Ft. Shaw Div	cfs	138	112	114	117	125	267	1306	1494	229	213	151	81		
Ft Shaw Demand	kaf	0.0	0.0	0.0	0.0	0.0	1.0	8.5	8.5	11.0	10.0	6.0	1.0	46.0	
Ft Shaw Tot Deliv	kaf	0.0	0.0	0.0	0.0	0.0	1.0	8.5	8.5	11.0	10.0	6.0	1.0	46.0	
Flow blw Ft. Shaw	cfs	138	112	114	117	125	250	1168	1351	50	50	50	65		

# GIBSON RESERVOIR



WATER YEAR 2010

# Snowpack above Gibson



— Average      — 2009      — 2010