

MONTHLY RESERVOIR OPERATION

FORT PECK

MISSOURI RIVER

MISSOURI RIVER REGION

Sep-2017

US ARMY CORPS OF ENGINEERS

Sep 2017	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			INFLOW
		PAN INCH	FLOW CFS	POWER	OUTFLOW SPILL	TOTAL	
9/1	2237.41 +	0.10	1,100 -	11,400 +	0 +	11,400 +	6,000 -
9/2	2237.34	0.30	1,200	11,100	0 -	11,100	6,000
9/3	2237.26	0.30	1,200	11,400	0	11,400	6,000
9/4	2237.21	0.20	1,200	11,400	0	11,400	6,000
9/5	2237.17	0.30	1,200	9,200	0	9,200	6,000
9/6	2237.15	0.40	1,200	8,700	0	8,700	6,000
9/7	2237.13	0.20	2,200 +	8,200	0	8,200	6,000
9/8	2237.09	0.30	2,200	7,900	0	7,900	6,000
9/9	2237.04	0.40	2,200	7,800	0	7,800	6,000
9/10	2236.98	0.40	2,200	8,200	0	8,200	6,000
9/11	2236.95	0.40	1,500	7,800	0	7,800	6,000
9/12	2236.91	0.20	2,200	8,500	0	8,500	6,000
9/13	2236.92	0.10	1,100	8,200	0	8,200	6,000
9/14	2236.77	0.00	2,200	8,800	0	8,800	6,000
9/15	2236.84	0.40	2,100	8,300	0	8,300	12,000 +
9/16	2236.89	0.20	2,100	5,900	0	5,900	11,000
9/17	2236.87	0.10	1,100	5,900	0	5,900	6,000
9/18	2236.87	0.10	1,100	5,600	0	5,600	6,000
9/19	2236.92	0.10	1,500	6,300	0	6,300	7,000
9/20	2236.82	0.30	1,500	5,900	0	5,900	6,000
9/21	2236.79	0.10	1,500	6,100	0	6,100	6,000
9/22	2236.83	0.10	1,500	6,100	0	6,100	6,000
9/23	2236.80	0.10	1,500	5,500	0	5,500	6,000
9/24	2236.82	0.00	1,100	5,700	0	5,700	6,000
9/25	2236.79	0.10	1,100	5,700	0	5,700	6,000
9/26	2236.78	0.10	1,100	5,700	0	5,700	6,000
9/27	2236.78	0.20	1,100	5,600	0	5,600	6,000
9/28	2236.77	0.00	2,000	5,900	0	5,900	6,000
9/29	2236.75 -	0.10	1,600	5,300 -	0	5,300 -	6,000
9/30	2236.79	0.00	1,100	5,600	0	5,600	7,000
Total (DSF)		5.60	45,900	223,700	0	223,700	193,000
Total (ac-ft)			91,000	444,000	0	444,000	383,000
Mean	2236.95	0.19	1,500	7,500	0	7,500	6,400
Monthly Reservoir Storage:				EOM = 15,377,000	Change = -152,000		
+ Max				Monthly Max = 15,516,000	Min = 15,376,000		
- Min				Monthly Precip = 0.00 inches			
Notes:							

Sep 2017

MONTHLY RESERVOIR OPERATION

GARRISON

MISSOURI RIVER

MISSOURI RIVER REGION

Sep-2017

US ARMY CORPS OF ENGINEERS

Sep 2017	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS				
		PAN INCH	FLOW CFS	OUTFLOW				INFLOW
				POWER	SPILL	TOTAL	DIVERT	
9/1	1843.46 +	0.00	3,000 +	32,800 +	0 +	32,800 +	0 +	16,000
9/2	1843.44	0.00	3,000	32,300	0 -	32,300	0 -	16,000
9/3	1842.91	0.00	3,000	32,200	0	32,200	0	16,000
9/4	1842.84	0.00	3,000	32,400	0	32,400	0	15,000
9/5	1842.65	0.00	3,000	29,400	0	29,400	0	14,000
9/6	1842.54	0.00	3,000	29,500	0	29,500	0	14,000
9/7	1842.33	0.00	2,900 -	29,100	0	29,100	0	14,000
9/8	1842.35	0.00	2,900	29,400	0	29,400	0	14,000
9/9	1841.85	0.00	2,900	29,600	0	29,600	0	14,000
9/10	1842.11	0.00	2,900	26,600	0	26,600	0	14,000
9/11	1841.77	0.00	2,900	23,600	0	23,600	0	14,000
9/12	1842.10	0.00	2,900	20,800	0	20,800	0	14,000
9/13	1841.69	0.00	2,900	20,200	0	20,200	0	13,000 -
9/14	1841.93	0.00	2,900	19,700	0	19,700	0	13,000
9/15	1842.23	0.00	2,900	19,400 -	0	19,400 -	0	20,000
9/16	1841.96	0.00	2,900	19,800	0	19,800	0	17,000
9/17	1841.84	0.00	2,900	19,900	0	19,900	0	17,000
9/18	1842.16	0.00	2,900	19,800	0	19,800	0	17,000
9/19	1842.23	0.00	2,900	20,300	0	20,300	0	18,000
9/20	1841.70	0.00	2,900	19,900	0	19,900	0	17,000
9/21	1841.82	0.00	2,900	20,100	0	20,100	0	17,000
9/22	1841.73	0.00	2,900	20,300	0	20,300	0	17,000
9/23	1841.57	0.00	2,900	19,800	0	19,800	0	17,000
9/24	1841.73	0.00	2,900	20,000	0	20,000	0	17,000
9/25	1841.41 -	0.00	2,900	19,800	0	19,800	0	17,000
9/26	1841.46	0.00	2,900	19,800	0	19,800	0	19,000
9/27	1841.62	0.00	2,900	19,800	0	19,800	0	22,000
9/28	1841.61	0.00	2,900	20,000	0	20,000	0	24,000 +
9/29	1841.52	0.00	2,900	20,100	0	20,100	0	22,000
9/30	1841.61	0.00	2,900	19,900	0	19,900	0	22,000
Total (DSF)		0.00	87,600	706,300	0	706,300	0	501,000
Total (ac-ft)			173,800	1,401,000	0	1,401,000	0	994,000
Mean	1842.07	0.00	2,900	23,500	0	23,500	0	16,700
Monthly Reservoir Storage:		EOM = 19,029,000			Change = -581,000			
+ Max		Monthly Max = 19,571,000			Monthly Min = 19,029,000			
- Min		Monthly Precip = 0.00 inches						
Notes: Ice in 28Dec								

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MONTHLY RESERVOIR OPERATION

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MISSOURI RIVER

MISSOURI RIVER REGION

Sep-2017

US ARMY CORPS OF ENGINEERS

Sep 2017	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			
		PAN INCH	FLOW CFS	OUTFLOW			INFLOW
				POWER	SPILL	TOTAL	
9/1	1610.95	0.00	3,000 +	26,100	0 +	26,100	32,000
9/2	1610.83	0.00	3,000	28,300 +	0 -	28,300 +	33,000
9/3	1611.10	0.00	3,000	26,300	0	26,300	33,000
9/4	1610.97	0.00	3,000	24,900	0	24,900	33,000
9/5	1610.91	0.00	3,000	23,600	0	23,600	33,000
9/6	1610.88	0.00	3,000	26,000	0	26,000	34,000 +
9/7	1610.97	0.00	3,000	26,000	0	26,000	34,000
9/8	1610.93	0.00	3,000	25,500	0	25,500	32,000
9/9	1610.81	0.00	3,000	24,000	0	24,000	32,000
9/10	1610.98	0.00	3,000	23,100	0	23,100	30,000
9/11	1611.01	0.00	3,000	26,800	0	26,800	29,000
9/12	1610.97	0.00	3,000	25,300	0	25,300	28,000
9/13	1611.00	0.00	3,000	26,700	0	26,700	27,000
9/14	1611.13 +	0.00	3,000	26,500	0	26,500	27,000
9/15	1611.00	0.00	3,000	26,000	0	26,000	24,000
9/16	1610.94	0.00	3,000	25,800	0	25,800	21,000
9/17	1610.64	0.00	3,000	20,800	0	20,800	20,000 -
9/18	1610.70	0.00	3,000	27,200	0	27,200	20,000
9/19	1610.91	0.00	3,000	26,900	0	26,900	20,000
9/20	1610.58	0.00	3,000	26,900	0	26,900	21,000
9/21	1610.93	0.00	3,000	27,000	0	27,000	22,000
9/22	1610.86	0.00	3,000	25,000	0	25,000	22,000
9/23	1610.66	0.00	3,000	9,200 -	0	9,200 -	22,000
9/24	1610.76	0.00	3,000	24,400	0	24,400	22,000
9/25	1610.62	0.00	3,000	24,600	0	24,600	21,000
9/26	1610.59	0.00	3,000	24,900	0	24,900	21,000
9/27	1610.46	0.00	2,900 -	25,000	0	25,000	21,000
9/28	1610.58	0.00	2,900	26,000	0	26,000	21,000
9/29	1610.30	0.00	2,900	26,800	0	26,800	21,000
9/30	1610.16 -	0.00	2,900	26,800	0	26,800	21,000
Total (DSF)		0.00	89,600	752,400	0	752,400	777,000
Total (ac-ft)			177,700	1,492,000	0	1,492,000	1,541,000
Mean	1610.80	0.00	3,000	25,100	0	25,100	25,900
Monthly Reservoir Storage:				EOM = 19,568,000	Change = -129,000		
+ Max				Monthly Max = 19,781,000	Min = 19,568,000		
- Min				Monthly Precip = 0.00 inches			
Notes:							

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MONTHLY RESERVOIR OPERATION

BIG BEND

MISSOURI RIVER

MISSOURI RIVER REGION

Sep-2017

US ARMY CORPS OF ENGINEERS

Sep 2017	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			
		PAN INCH	FLOW CFS	OUTFLOW			INFLOW
				POWER	SPILL	TOTAL	
9/1	1420.05	0.00	600 +	26,200	0 +	26,200	24,000
9/2	1420.41	0.00	500 -	13,800	0 -	13,800	26,000
9/3	1420.79	0.00	500	14,800	0	14,800	26,000
9/4	1420.78	0.00	500	25,500	0	25,500	25,000
9/5	1420.58	0.00	500	25,300	0	25,300	22,000
9/6	1420.40	0.00	500	26,200	0	26,200	23,000
9/7	1420.38	0.00	500	26,500	0	26,500	24,000
9/8	1420.09	0.00	500	26,200	0	26,200	20,000
9/9	1420.48	0.00	500	9,100	0	9,100	22,000
9/10	1420.98	0.00	500	10,800	0	10,800	23,000
9/11	1420.80	0.00	500	28,100	0	28,100	24,000
9/12	1420.90	0.00	500	26,500	0	26,500	25,000
9/13	1420.64	0.00	500	27,200	0	27,200	25,000
9/14	1420.53	0.00	500	27,600	0	27,600	25,000
9/15	1420.43	0.00	500	28,100	0	28,100	26,000
9/16	1420.77	0.00	500	13,700	0	13,700	22,000
9/17	1420.82	0.00	500	12,600	0	12,600	17,000
9/18	1420.67	0.00	500	29,100	0	29,100	25,000
9/19	1420.68	0.00	500	29,200	0	29,200	26,000
9/20	1420.40	0.00	500	28,400	0	28,400	25,000
9/21	1420.27	0.00	500	28,500	0	28,500	25,000
9/22	1420.20	0.00	500	29,400 +	0	29,400 +	25,000
9/23	1420.45	0.00	500	3,300 -	0	3,300 -	12,000 -
9/24	1421.12 +	0.00	500	8,000	0	8,000	27,000 +
9/25	1420.74	0.00	500	28,400	0	28,400	22,000
9/26	1420.62	0.00	500	28,800	0	28,800	24,000
9/27	1420.36	0.00	500	29,200	0	29,200	23,000
9/28	1420.24	0.00	500	27,500	0	27,500	24,000
9/29	1420.01 -	0.00	500	28,000	0	28,000	24,000
9/30	1420.44	0.00	500	11,800	0	11,800	24,000
Total (DSF)		0.00	15,100	677,800	0	677,800	705,000
Total (ac-ft)			30,000	1,344,000	0	1,344,000	1,398,000
Mean	1420.53	0.00	500	22,600	0	22,600	23,500
Monthly Reservoir Storage:				EOM = 1,660,000	Change =		24,000
+ Max				Monthly Max = 1,692,000	Min =		1,631,000
- Min				Monthly Precip = 0.92 inches			
Notes: Ice in 28Dec							

Sep 2017

MONTHLY RESERVOIR OPERATION

FORT RANDALL

MISSOURI RIVER

MISSOURI RIVER REGION

Sep-2017

US ARMY CORPS OF ENGINEERS

Sep 2017	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			
		PAN INCH	FLOW CFS	OUTFLOW			INFLOW
				POWER	SPILL	TOTAL	
9/1	1357.14 +	0.00	800 +	29,400	0 +	29,400	27,000
9/2	1356.85	0.00	800	30,300	0 -	30,300	20,000
9/3	1356.66	0.00	800	30,500	0	30,500	20,000
9/4	1356.39	0.00	800	30,500	0	30,500	25,000
9/5	1356.24	0.00	800	30,500	0	30,500	25,000
9/6	1356.09	0.00	800	30,500	0	30,500	24,000
9/7	1356.05	0.00	800	30,400	0	30,400	29,000
9/8	1355.86	0.00	800	30,500	0	30,500	27,000
9/9	1355.27	0.00	800	30,700	0	30,700	15,000
9/10	1355.10	0.00	800	30,800	0	30,800	15,000
9/11	1354.92	0.00	800	31,000 +	0	31,000 +	21,000
9/12	1354.84	0.00	800	31,000	0	31,000	28,000
9/13	1354.87	0.00	800	30,800	0	30,800	33,000
9/14	1354.98	0.00	800	30,200	0	30,200	34,000 +
9/15	1355.10	0.00	800	30,200	0	30,200	34,000
9/16	1354.72	0.00	800	30,300	0	30,300	17,000
9/17	1354.15	0.00	800	30,000	0	30,000	11,000 -
9/18	1354.02	0.00	800	30,600	0	30,600	25,000
9/19	1354.26	0.00	800	30,700	0	30,700	31,000
9/20	1354.07	0.00	800	30,600	0	30,600	31,000
9/21	1354.01	0.00	800	30,600	0	30,600	31,000
9/22	1354.27	0.00	800	30,600	0	30,600	33,000
9/23	1353.99	0.00	800	29,700	0	29,700	26,000
9/24	1353.60	0.00	800	27,900	0	27,900	14,000
9/25	1353.44	0.00	800	29,000	0	29,000	23,000
9/26	1353.37	0.00	800	28,900	0	28,900	27,000
9/27	1353.49	0.00	700 -	26,600 -	0	26,600 -	32,000
9/28	1353.59	0.00	700	27,800	0	27,800	33,000
9/29	1353.53	0.00	700	28,700	0	28,700	28,000
9/30	1353.12 -	0.00	700	31,000	0	31,000	17,000
Total (DSF)		0.00	23,600	900,300	0	900,300	756,000
Total (ac-ft)			46,800	1,786,000	0	1,786,000	1,500,000
Mean	1354.80	0.00	800	30,000	0	30,000	25,200
Monthly Reservoir Storage:				EOM = 3,257,000	Change = -333,000		
+ Max				Monthly Max = 3,584,000	Min = 3,257,000		
- Min				Monthly Precip = 2.27 inches			
Notes:							

Sep 2017

MONTHLY RESERVOIR OPERATION

GAVINS POINT

MISSOURI RIVER

MISSOURI RIVER REGION

Sep-2017

US ARMY CORPS OF ENGINEERS

Sep 2017	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			
		PAN INCH	FLOW CFS	OUTFLOW			INFLOW
				POWER	SPILL	TOTAL	
9/1	1206.90 -	0.30	300	31,000	0 -	31,000	31,000
9/2	1206.90	0.30	300	31,000	0	31,000	32,000
9/3	1206.99	0.30	300	31,000	0	31,000	32,000
9/4	1206.97	0.30	300	31,000	0	31,000	32,000
9/5	1207.00	0.60	600	9,000	22,100	31,100 +	32,000
9/6	1207.02	0.20	200	0 -	31,000	31,000	31,000
9/7	1207.06	0.20	200	0	31,000	31,000	31,000
9/8	1207.02	0.30	300	0	31,000	31,000	31,000
9/9	1207.11	0.30	300	0	31,000	31,000	33,000 +
9/10	1207.19	0.30	300	0	31,100 +	31,100	33,000
9/11	1207.24	0.00	200	10,400	20,700	31,100	32,000
9/12	1207.30	0.20	200	30,900	0	30,900 -	31,000
9/13	1207.35	0.20	200	31,000	0	31,000	32,000
9/14	1207.42	0.20	200	31,000	0	31,000	32,000
9/15	1207.55	0.20	200	30,900	0	30,900	31,000
9/16	1207.44	0.20	200	31,000	0	31,000	31,000
9/17	1207.39	0.20	200	31,000	0	31,000	30,000
9/18	1207.36	0.20	200	30,900	0	30,900	31,000
9/19	1207.74	0.10	100 -	31,000	0	31,000	31,000
9/20	1207.42	0.20	200	31,000	0	31,000	32,000
9/21	1207.40	0.20	200	31,000	0	31,000	31,000
9/22	1207.57	0.30	300	31,000	0	31,000	32,000
9/23	1207.48	0.30	300	31,000	0	31,000	32,000
9/24	1207.64	0.30	300	31,000	0	31,000	33,000
9/25	1207.74	0.50	500	31,000	0	31,000	32,000
9/26	1207.77	0.90	800 +	31,100 +	0	31,100	33,000
9/27	1207.85 +	0.90	700	31,000	0	31,000	33,000
9/28	1207.77	0.20	200	31,000	0	31,000	30,000
9/29	1207.56	0.20	200	31,100	0	31,100	29,000 -
9/30	1207.46	0.20	200	31,000	0	31,000	30,000
Total (DSF)		8.80	8,700	732,300	197,900	930,200	946,000
Total (ac-ft)			17,300	1,452,000	393,000	1,845,000	1,876,000
Mean	1207.35	0.29	300	24,400	6,600	31,000	31,500
Monthly Reservoir Storage:				EOM =	362,000	Change =	14,000
+ Max				Monthly Max =	371,000	Min =	347,000
- Min				Monthly Precip = 1.11 inches			
Notes: Ice in 29Dec							

Sep 2017