

MONTHLY RESERVOIR OPERATION

FORT PECK

MISSOURI RIVER

MISSOURI RIVER REGION

Nov-2021

US ARMY CORPS OF ENGINEERS

Nov 2021	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			INFLOW
		PAN INCH	FLOW CFS	OUTFLOW			
				POWER	SPILL	TOTAL	
11/1	2227.04	0.00	1,500 +	5,200	0 +	5,200	5,000 -
11/2	2227.01	0.00	1,400	5,300	0 -	5,300	5,000
11/3	2227.00	0.00	1,400	5,300	0	5,300	5,000
11/4	2227.04	0.00	1,400	5,400	0	5,400	5,000
11/5	2227.01	0.00	1,400	5,100	0	5,100	5,000
11/6	2226.97	0.00	1,400	5,300	0	5,300	5,000
11/7	2226.98	0.00	1,400	5,400	0	5,400	5,000
11/8	2226.94	0.00	1,400	5,600 +	0	5,600 +	5,000
11/9	2226.94	0.00	1,400	5,400	0	5,400	5,000
11/10	2227.06 +	0.00	1,400	5,300	0	5,300	5,000
11/11	2226.88	0.00	1,400	5,000	0	5,000	5,000
11/12	2226.82	0.00	1,400	4,900	0	4,900	5,000
11/13	2226.80	0.00	1,400	5,400	0	5,400	5,000
11/14	2226.83	0.00	1,400	5,600	0	5,600	5,000
11/15	2226.76	0.00	1,400	5,600	0	5,600	5,000
11/16	2226.94	0.00	1,400	5,400	0	5,400	5,000
11/17	2226.76	0.00	1,400	5,400	0	5,400	5,000
11/18	2226.76	0.00	1,400	5,300	0	5,300	5,000
11/19	2226.73	0.00	1,400	5,300	0	5,300	5,000
11/20	2226.71	0.00	1,400	5,400	0	5,400	5,000
11/21	2226.73	0.00	1,400	5,400	0	5,400	5,000
11/22	2226.69	0.00	1,400	5,100	0	5,100	5,000
11/23	2226.70	0.00	1,400	4,900	0	4,900	5,000
11/24	2226.70	0.00	1,400	4,900	0	4,900	5,000
11/25	2226.70	0.00	1,400	4,800	0	4,800	6,000 +
11/26	2226.70	0.00	1,400	4,900	0	4,900	6,000
11/27	2226.70	0.00	1,400	4,800	0	4,800	6,000
11/28	2226.70	0.00	1,400	4,700 -	0	4,700 -	6,000
11/29	2226.63 -	0.00	1,400	4,900	0	4,900	6,000
11/30	2226.63	0.00	1,300 -	4,800	0	4,800	6,000
Total (DSF)		0.00	42,000	155,800	0	155,800	156,000
Total (ac-ft)			83,300	309,000	0	309,000	309,000
Mean	2226.83	0.00	1,400	5,200	0	5,200	5,200
Monthly Reservoir Storage:				EOM = 13,304,000	Change = -83,000		
+ Max				Monthly Max = 13,384,000	Min = 13,304,000		
- Min				Monthly Precip = 0.07 inches			
Notes:							

Nov 2021

MONTHLY RESERVOIR OPERATION

GARRISON

MISSOURI RIVER

MISSOURI RIVER REGION

Nov-2021

US ARMY CORPS OF ENGINEERS

Nov 2021	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS				
		PAN INCH	FLOW CFS	OUTFLOW				INFLOW
				POWER	SPILL	TOTAL	DIVERT	
11/1	1830.35	0.00	2,000 +	13,500	0 +	13,500	0 -	11,000 +
11/2	1830.35	0.00	2,000	13,300	0 -	13,300	100	11,000
11/3	1830.36	0.00	2,000	13,300	0	13,300	300 +	11,000
11/4	1830.25	0.00	2,000	13,600 +	0	13,600 +	300	10,000 -
11/5	1830.39	0.00	2,000	13,000	0	13,000	300	10,000
11/6	1830.32	0.00	2,000	12,900	0	12,900	200	10,000
11/7	1830.19	0.00	2,000	12,900	0	12,900	300	10,000
11/8	1830.19	0.00	2,000	13,000	0	13,000	300	10,000
11/9	1829.93	0.00	2,000	13,000	0	13,000	300	10,000
11/10	1830.25	0.00	2,000	12,800	0	12,800	300	10,000
11/11	1830.43	0.00	2,000	12,700	0	12,700	0	10,000
11/12	1829.74	0.00	2,000	12,700	0	12,700	300	10,000
11/13	1829.72	0.00	2,000	12,800	0	12,800	300	10,000
11/14	1829.73	0.00	2,000	12,800	0	12,800	0	10,000
11/15	1829.75	0.00	2,000	12,800	0	12,800	0	10,000
11/16	1830.75 +	0.00	2,000	12,700	0	12,700	0	10,000
11/17	1830.20	0.00	2,000	12,700	0	12,700	0	10,000
11/18	1829.65	0.00	2,000	12,800	0	12,800	0	10,000
11/19	1829.80	0.00	2,000	12,900	0	12,900	0	10,000
11/20	1830.08	0.00	2,000	12,900	0	12,900	0	10,000
11/21	1829.66	0.00	2,000	12,900	0	12,900	0	10,000
11/22	1829.59	0.00	2,000	12,900	0	12,900	0	11,000
11/23	1829.75	0.00	2,000	13,000	0	13,000	0	11,000
11/24	1829.60	0.00	2,000	12,800	0	12,800	0	11,000
11/25	1829.54	0.00	2,000	12,800	0	12,800	0	11,000
11/26	1829.63	0.00	1,900 -	12,900	0	12,900	0	11,000
11/27	1829.53 -	0.00	1,900	12,400 -	0	12,400 -	0	11,000
11/28	1829.58	0.00	1,900	12,700	0	12,700	0	11,000
11/29	1829.62	0.00	1,900	12,600	0	12,600	0	11,000
11/30	1829.55	0.00	1,900	12,500	0	12,500	0	11,000
Total (DSF)		0.00	59,500	386,600	0	386,600	3,000	312,000
Total (ac-ft)			118,000	767,000	0	767,000	6,000	619,000
Mean	1829.95	0.00	2,000	12,900	0	12,900	100	10,400
Monthly Reservoir Storage:				EOM = 15,401,000	Change = -272,000			
+ Max	Monthly Max = 15,664,000			Monthly Min = 15,401,000				
- Min	Monthly Precip = 0.00 inches							
Notes:								

Nov 2021

MONTHLY RESERVOIR OPERATION

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MISSOURI RIVER

MISSOURI RIVER REGION

Nov-2021

US ARMY CORPS OF ENGINEERS

Nov 2021	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			
		PAN INCH	FLOW CFS	OUTFLOW			INFLOW
				POWER	SPILL	TOTAL	
11/1	1596.83	0.00	2,000 +	19,700 +	0 +	19,700 +	14,000 -
11/2	1596.73	0.00	1,900	19,100	0 -	19,100	14,000
11/3	1596.66	0.00	1,900	19,200	0	19,200	14,000
11/4	1596.58	0.00	1,900	19,000	0	19,000	14,000
11/5	1596.52	0.00	1,900	19,700	0	19,700	14,000
11/6	1596.65	0.00	1,900	17,300	0	17,300	14,000
11/7	1596.61	0.00	1,900	15,000	0	15,000	14,000
11/8	1596.49	0.00	1,900	17,300	0	17,300	14,000
11/9	1596.36	0.00	1,800	17,400	0	17,400	14,000
11/10	1596.37	0.00	1,800	17,600	0	17,600	14,000
11/11	1597.14 +	0.00	1,900	17,600	0	17,600	14,000
11/12	1596.15 -	0.00	1,800	17,700	0	17,700	14,000
11/13	1596.77	0.00	1,900	16,400	0	16,400	15,000 +
11/14	1596.16	0.00	1,800	14,700	0	14,700	14,000
11/15	1596.43	0.00	1,800	15,400	0	15,400	14,000
11/16	1596.36	0.00	1,800	14,900	0	14,900	14,000
11/17	1596.32	0.00	1,800	14,400	0	14,400	14,000
11/18	1596.29	0.00	1,500	14,500	0	14,500	14,000
11/19	1596.27	0.00	1,500	15,000	0	15,000	14,000
11/20	1596.37	0.00	1,500	12,600	0	12,600	14,000
11/21	1596.29	0.00	1,500	9,800 -	0	9,800 -	14,000
11/22	1596.34	0.00	1,500	13,100	0	13,100	14,000
11/23	1596.35	0.00	1,000 -	13,000	0	13,000	14,000
11/24	1596.42	0.00	1,000	13,200	0	13,200	14,000
11/25	1596.29	0.00	1,000	13,100	0	13,100	14,000
11/26	1596.38	0.00	1,000	13,000	0	13,000	14,000
11/27	1596.24	0.00	1,000	10,700	0	10,700	14,000
11/28	1596.48	0.00	1,000	10,100	0	10,100	14,000
11/29	1596.30	0.00	1,000	13,700	0	13,700	14,000
11/30	1596.47	0.00	1,000	13,300	0	13,300	14,000
Total (DSF)		0.00	47,200	457,500	0	457,500	421,000
Total (ac-ft)			93,600	907,000	0	907,000	835,000
Mean	1596.45	0.00	1,600	15,300	0	15,300	14,000
Monthly Reservoir Storage:				EOM = 15,446,000	Change = -166,000		
+ Max				Monthly Max = 15,597,000	Min = 15,434,000		
- Min				Monthly Precip = 0.00 inches			
Notes:							

Nov 2021

MONTHLY RESERVOIR OPERATION

BIG BEND

MISSOURI RIVER

MISSOURI RIVER REGION

Nov-2021

US ARMY CORPS OF ENGINEERS

Nov 2021	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			
		PAN INCH	FLOW CFS	OUTFLOW			INFLOW
				POWER	SPILL	TOTAL	
11/1	1420.94	0.00	300 +	21,700	0 +	21,700	19,000
11/2	1420.82	0.00	300	21,900	0 -	21,900	19,000
11/3	1420.77	0.00	300	21,700	0	21,700	19,000
11/4	1420.65	0.00	300	22,400 +	0	22,400 +	19,000
11/5	1420.64	0.00	300	22,300	0	22,300	20,000 +
11/6	1420.87	0.00	300	10,100	0	10,100	18,000
11/7	1421.17	0.00	300	7,500	0	7,500	16,000
11/8	1420.97	0.00	300	20,200	0	20,200	17,000
11/9	1420.77	0.00	200 -	20,400	0	20,400	17,000
11/10	1420.89	0.00	200	20,300	0	20,300	18,000
11/11	1421.28 +	0.00	200	20,600	0	20,600	18,000
11/12	1420.51	0.00	200	21,500	0	21,500	17,000
11/13	1420.99	0.00	200	7,000	0	7,000	16,000
11/14	1421.01	0.00	200	7,800	0	7,800	15,000
11/15	1420.93	0.00	200	17,100	0	17,100	15,000
11/16	1421.10	0.00	200	17,300	0	17,300	15,000
11/17	1421.01	0.00	200	17,500	0	17,500	14,000
11/18	1420.55	0.00	200	17,900	0	17,900	14,000
11/19	1420.68	0.00	200	17,400	0	17,400	15,000
11/20	1420.87	0.00	200	5,900	0	5,900	15,000
11/21	1421.14	0.00	200	900 -	0	900 -	10,000 -
11/22	1421.04	0.00	200	18,700	0	18,700	15,000
11/23	1421.07	0.00	200	17,300	0	17,300	14,000
11/24	1420.91	0.00	200	17,200	0	17,200	14,000
11/25	1420.61	0.00	200	17,400	0	17,400	14,000
11/26	1420.50 -	0.00	200	17,400	0	17,400	13,000
11/27	1420.72	0.00	200	4,000	0	4,000	12,000
11/28	1420.92	0.00	200	3,600	0	3,600	10,000
11/29	1420.77	0.00	200	17,500	0	17,500	13,000
11/30	1420.74	0.00	200	17,300	0	17,300	14,000
Total (DSF)		0.00	6,800	469,800	0	469,800	465,000
Total (ac-ft)			13,500	932,000	0	932,000	922,000
Mean	1420.86	0.00	200	15,700	0	15,700	15,500
Monthly Reservoir Storage:				EOM = 1,668,000	Change =		-23,000
+ Max				Monthly Max = 1,695,000	Min =		1,657,000
- Min				Monthly Precip = 0.14 inches			
Notes:							

Nov 2021

MONTHLY RESERVOIR OPERATION

FORT RANDALL

MISSOURI RIVER

MISSOURI RIVER REGION

Nov-2021

US ARMY CORPS OF ENGINEERS

Nov 2021	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			
		PAN INCH	FLOW CFS	OUTFLOW			INFLOW
				POWER	SPILL	TOTAL	
11/1	1345.79 +	0.00	500 +	25,000	0 +	25,000	10,000
11/2	1345.56	0.00	500	24,900	0 -	24,900	17,000
11/3	1345.40	0.00	500	24,700	0	24,700	20,000
11/4	1345.21	0.00	400	24,800	0	24,800	20,000
11/5	1345.21	0.00	400	25,000	0	25,000	22,000 +
11/6	1344.97	0.00	400	24,900	0	24,900	19,000
11/7	1344.54	0.00	400	26,000	0	26,000	12,000
11/8	1343.96	0.00	300 -	26,300	0	26,300	8,000
11/9	1343.55	0.00	300	26,100	0	26,100	17,000
11/10	1343.43	0.00	300	25,300	0	25,300	17,000
11/11	1343.63	0.00	300	25,900	0	25,900	20,000
11/12	1343.08	0.00	300	25,000	0	25,000	20,000
11/13	1342.64	0.00	300	25,700	0	25,700	12,000
11/14	1341.94	0.00	300	27,500	0	27,500	6,000
11/15	1341.20	0.00	300	27,600	0	27,600	5,000
11/16	1340.73	0.00	300	28,600 +	0	28,600 +	15,000
11/17	1340.33	0.00	300	27,400	0	27,400	15,000
11/18	1339.62	0.00	300	26,700	0	26,700	15,000
11/19	1339.24	0.00	300	27,700	0	27,700	15,000
11/20	1338.71	0.00	300	27,500	0	27,500	10,000
11/21	1337.98	0.00	300	26,800	0	26,800	4,000
11/22	1337.13	0.00	300	24,200	0	24,200	3,000 -
11/23	1336.88	0.00	300	21,200	0	21,200	15,000
11/24	1336.87	0.00	300	18,300	0	18,300	15,000
11/25	1336.63 -	0.00	300	15,500	0	15,500	15,000
11/26	1336.84	0.00	300	12,300	0	12,300	17,000
11/27	1337.15	0.00	300	10,000	0	10,000	18,000
11/28	1337.12	0.00	300	9,800 -	0	9,800 -	5,000
11/29	1336.89	0.00	300	10,800	0	10,800	5,000
11/30	1336.92	0.00	300	10,800	0	10,800	16,000
Total (DSF)		0.00	10,000	682,300	0	682,300	408,000
Total (ac-ft)			19,800	1,353,000	0	1,353,000	809,000
Mean	1340.97	0.00	300	22,700	0	22,700	13,600
Monthly Reservoir Storage:				EOM = 2,163,000	Change = -564,000		
+ Max				Monthly Max = 2,696,000	Min = 2,151,000		
- Min				Monthly Precip = 2.00 inches			
Notes:							

Nov 2021

MONTHLY RESERVOIR OPERATION

GAVINS POINT

MISSOURI RIVER

MISSOURI RIVER REGION

Nov-2021

US ARMY CORPS OF ENGINEERS

Nov 2021	ELEVATION FEET-MSL	EVAP		MEAN DISCHARGE IN CFS			
		PAN INCH	FLOW CFS	OUTFLOW			INFLOW
				POWER	SPILL	TOTAL	
11/1	1208.22	0.40	100 +	22,400	5,600	28,000	30,000 +
11/2	1208.24	0.40	100	20,400	7,700	28,100	29,000
11/3	1208.22	0.40	100	20,400	7,700	28,100	28,000
11/4	1208.06	0.40	100	20,400	7,700	28,100	28,000
11/5	1208.16	0.40	100	20,400	7,600	28,000	27,000
11/6	1208.05	0.40	100	20,400	7,600	28,000	27,000
11/7	1208.05	0.40	100	20,400	7,600	28,000	28,000
11/8	1208.04	0.40	100	20,700	8,000	28,700	29,000
11/9	1207.98	0.40	100	20,800	8,200 +	29,000	29,000
11/10	1208.16	0.40	100	20,800	8,200	29,000	29,000
11/11	1208.44 +	0.40	100	20,800	8,200	29,000	29,000
11/12	1208.04	0.40	100	20,700	8,200	28,900	29,000
11/13	1208.02	0.40	100	20,800	8,200	29,000	29,000
11/14	1207.73 -	0.40	100	20,900	8,100	29,000	29,000
11/15	1207.75	0.40	100	20,800	8,100	28,900	29,000
11/16	1207.98	0.40	100	20,800	8,200	29,000	29,000
11/17	1208.18	0.40	100	21,300	8,200	29,500	29,000
11/18	1207.97	0.40	100	21,800	8,200	30,000	30,000
11/19	1208.02	0.40	100	21,900	8,200	30,100 +	30,000
11/20	1208.04	0.40	100	21,800	8,200	30,000	30,000
11/21	1208.04	0.40	100	21,800	8,200	30,000	30,000
11/22	1208.03	0.40	100	21,800	8,200	30,000	30,000
11/23	1208.14	0.40	100	21,700	6,400	28,100	28,000
11/24	1208.06	0.40	100	22,700 +	2,300	25,000	25,000
11/25	1207.82	0.40	100	21,800	0 -	21,800	23,000
11/26	1207.91	0.40	100	18,800	0	18,800	18,000
11/27	1207.95	0.40	0 -	15,800	0	15,800	16,000
11/28	1207.84	0.40	0	14,000 -	0	14,000 -	14,000
11/29	1207.80	0.40	0	14,000	0	14,000	12,000 -
11/30	1207.75	0.40	0	14,000	0	14,000	14,000
Total (DSF)		12.00	2,600	605,100	182,800	787,900	787,000
Total (ac-ft)			5,200	1,200,000	363,000	1,563,000	1,561,000
Mean	1208.02	0.40	100	20,200	6,100	26,300	26,200
Monthly Reservoir Storage:				EOM =	369,000	Change =	-7,000
+ Max				Monthly Max =	380,000	Min =	369,000
- Min				Monthly Precip = 0.00 inches			
Notes:							
Nov 2021							