07062000 CLEARWATER LAKE NEAR PIEDMONT, MO

Upper White Basin
Upper Black Subbasin

LOCATION.--Lat 37°08'00.2", long 90°46'30.7" referenced to North American Datum of 1983, in NE ¼ SW ¼ NW ¼ sec.6, T.28 N., R.3 E., Wayne County, MO, Hydrologic Unit 11010007, in intake tower at dam on Black River, 2.3 mi upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Record good. Lake is formed by earthfill type dam. Storage began June 3, 1948; conservation pool level reached July 4, 1948. Capacity at crest of spillway 413,700 ac-ft at elevation 567.0 ft, of which 391,800 ac-ft is available for flood-control storage, and 21,920 ac-ft is permanent storage which under normal operating conditions will be maintained for purposes of conservation and recreation at elevation 494.0 ft. Lake is used for flood control and recreational purposes.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 409,700 ac-ft, May 20, 2002, elevation, 566.60 ft; minimum, since initial filling to conservation pool level, 15,800 ac-ft, Jan. 20, 23, 1972, elevation, 490.00 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 63,000 ac-ft, Mar 14 and 15, elevation, 511.90 ft; minimum, 21,700 ac-ft, Mar 27, elevation, 493.85 ft.

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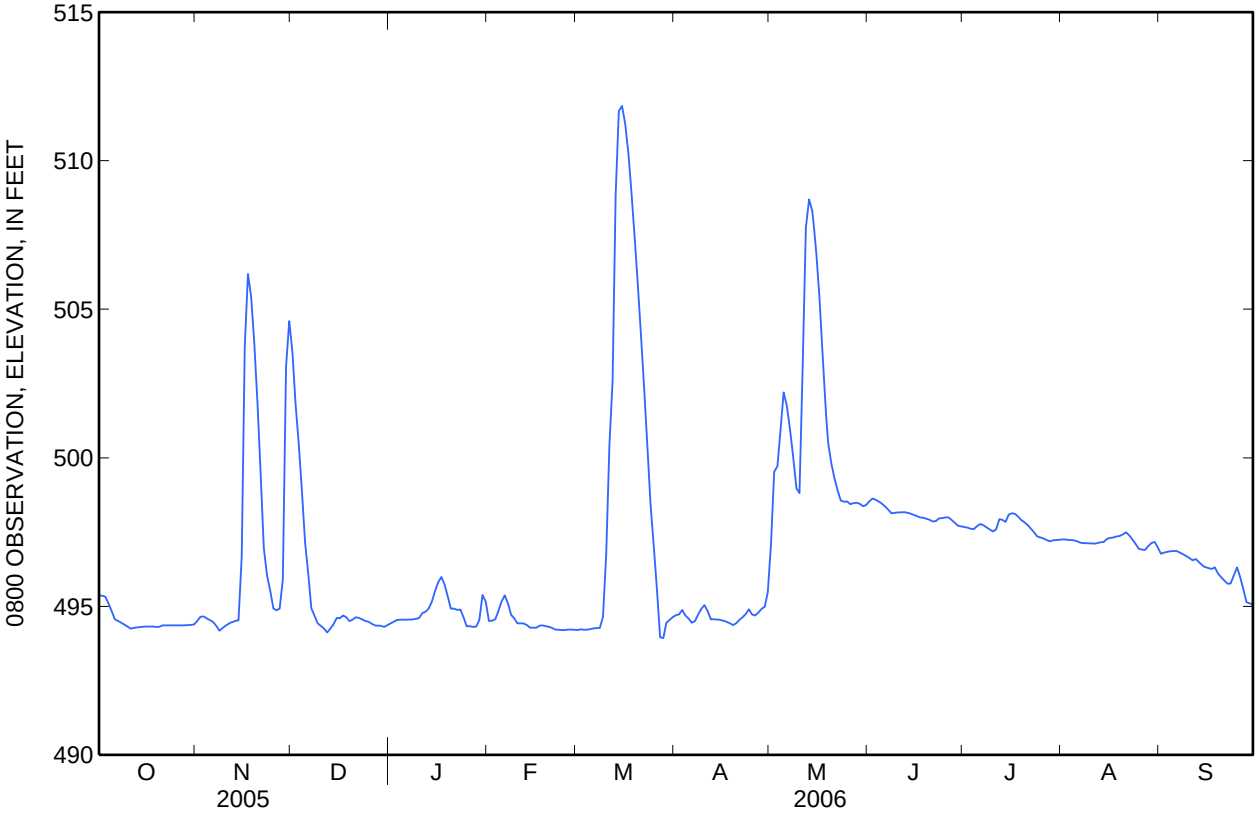
ELEVATION, IN FEET, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
OBSERVATION AT 0800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	495.36	494.51	503.55	494.43	494.51	494.20	494.70	497.10	498.53	497.67	497.25	496.77
2	495.36	494.65	501.85	494.48	494.52	494.23	494.73	499.53	498.63	497.65	497.25	496.80
3	495.32	494.66	500.50	494.54	494.57	494.21	494.88	499.71	498.59	497.61	497.23	496.84
4	495.10	494.59	498.91	494.55	494.84	494.22	494.69	500.96	498.52	497.60	497.23	496.85
5	494.84	494.54	497.15	494.55	495.16	494.23	494.59	502.20	498.46	497.70	497.21	496.86
6	494.56	494.47	496.09	494.55	495.37	494.26	494.45	501.75	498.36	497.77	497.17	496.86
7	494.51	494.34	494.94	494.55	495.10	494.27	494.50	500.95	498.25	497.73	497.13	496.81
8	494.45	494.18	494.68	494.56	494.71	494.27	494.73	500.01	498.13	497.66	497.13	496.75
9	494.39	494.27	494.43	494.58	494.60	494.65	494.91	498.97	498.14	497.59	497.12	496.70
10	494.32	494.35	494.34	494.61	494.43	496.74	495.04	498.81	498.16	497.52	497.12	496.62
11	494.25	494.42	494.25	494.77	494.43	500.41	494.84	503.08	498.17	497.59	497.11	496.55
12	494.27	494.47	494.12	494.82	494.42	502.59	494.56	507.75	498.17	497.93	497.13	496.59
13	494.29	494.51	494.25	494.92	494.37	508.84	494.56	508.70	498.15	497.91	497.16	496.49
14	494.31	494.53	494.40	495.15	494.28	511.67	494.56	508.30	498.12	497.84	497.17	496.38
15	494.31	496.68	494.61	495.51	494.28	511.84	494.54	507.28	498.08	498.09	497.27	496.32
16	494.32	503.73	494.60	495.81	494.28	511.23	494.52	505.79	498.04	498.13	497.30	496.29
17	494.32	506.19	494.69	495.99	494.35	510.24	494.47	504.05	497.99	498.11	497.32	496.26
18	494.32	505.41	494.64	495.73	494.36	508.92	494.44	502.11	497.98	498.01	497.35	496.31
19	494.31	503.82	494.50	495.35	494.33	507.41	494.37	500.52	497.95	497.90	497.37	496.10
20	494.31	501.79	494.55	494.92	494.31	505.80	494.43	499.81	497.91	497.83	497.42	495.98
21	494.36	499.50	494.63	494.92	494.27	504.07	494.54	499.33	497.86	497.72	497.49	495.87
22	494.36	496.97	494.61	494.88	494.22	502.26	494.63	498.91	497.87	497.62	497.39	495.76
23	494.36	496.05	494.56	494.89	494.21	500.42	494.74	498.56	497.96	497.48	497.25	495.77
24	494.37	495.53	494.51	494.64	494.20	498.44	494.90	498.52	497.97	497.35	497.10	496.05
25	494.35	494.93	494.48	494.33	494.20	497.05	494.73	498.53	497.99	497.32	496.94	496.31
26	494.36	494.87	494.42	494.33	494.22	495.58	494.69	498.44	497.99	497.28	496.91	495.99
27	494.36	494.92	494.36	494.31	494.22	493.96	494.79	498.47	497.90	497.23	496.90	495.58
28	494.37	495.91	494.35	494.32	494.21	493.93	494.91	498.49	497.81	497.19	497.03	495.14
29	494.37	503.06	494.34	494.54	---	494.45	494.99	498.45	497.71	497.22	497.13	495.10
30	494.37	504.60	494.31	495.38	---	494.54	495.48	498.37	497.69	497.23	497.17	495.06
31	494.39	---	494.37	495.16	---	494.64	---	498.41	---	497.25	496.99	---
Mean	494.49	497.21	495.48	494.84	494.46	499.79	494.70	501.03	498.10	497.64	497.19	496.26
Max	495.36	506.19	503.55	495.99	495.37	511.84	495.48	508.70	498.63	498.13	497.49	496.86
Min	494.25	494.18	494.12	494.31	494.20	493.93	494.37	497.10	497.69	497.19	496.90	495.06
Change in contents, in acre-feet												
	-1,600	+20,300	-20,400	+1,300	-1,500	+700	+1,400	+5,200	-1,300	-800	-500	-3,400

Calendar Year 2005...-3,000
Water Year 2006...-600

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