06925500 LAKE OF THE OZARKS NEAR BAGNELL, MO

Lower Missouri Basin
Osage Subbasin

LOCATION.--Lat 38°12′19″, long 92°37′21″ referenced to North American Datum of 1927, in SE ¼ sec.19, T.40 N., R.15 W., Miller County, MO, Hydrologic Unit 10290109, at left end of powerhouse section near left end of Bagnell Dam on Osage River, 2 mi southwest of Bagnell, and at mile 81.7.

DRAINAGE AREA.--14,000 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1931 to current year. Gage-height records collected at same site since 1932 are in reports of the National Weather Service, published as "Osage River at Bagnell Dam, Lakeside".

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum, adjustment of 1912. To obtain National Geodetic Vertical Datum of 1929, subtract 0.88 ft.

COOPERATION.--Records furnished by the AmerenUE of Missouri.

REMARKS.--Lake is formed by concrete gravity dam. Spillway is equipped with 12 tainter gates 34 ft wide by 22 ft high. Storage began in 1931. Usable capacity 1,218,000 acre-ft between elevation 630.00 ft (maximum draw-down) and 660.00 ft (top of gates). Dead storage, 708,800 acre-ft. Figures given herein are usable contents. Lake is used for flood control, power, and recreational purposes.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,527,000 acre-ft, May 22, 1943, elevation, 665.45 ft; minimum, 322,000 acre-ft, Feb 13, 1948, elevation, 639.95 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,215,200 acre-ft, Oct. 9, elevation, 659.95 ft; minimum, 905,400 acre-ft, March 9, elevation, 654.16 ft.

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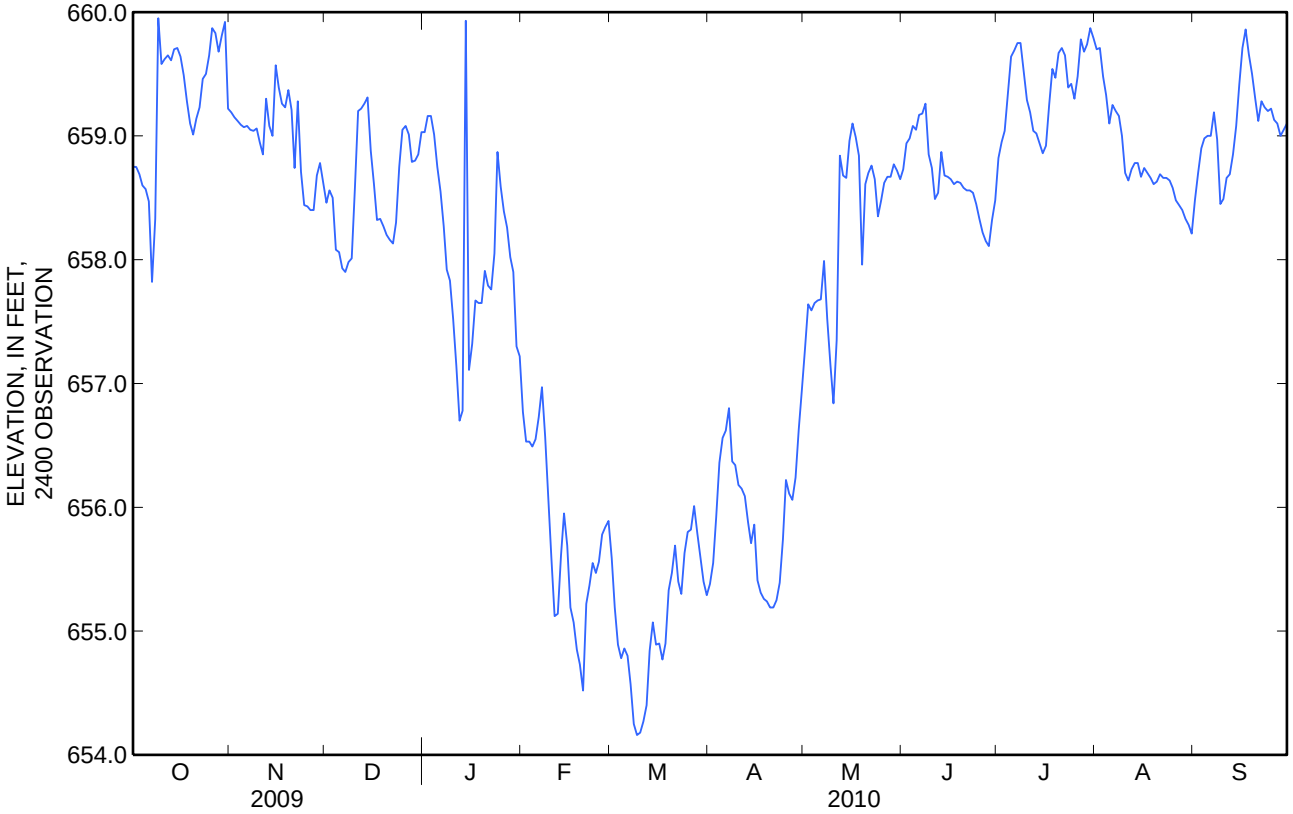
ELEVATION, IN FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
OBSERVATION AT 2400

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	658.75	659.19	658.46	659.03	656.77	655.59	655.38	657.28	658.73	658.82	659.70	658.48
2	658.75	659.15	658.56	659.16	656.53	655.19	655.55	657.64	658.94	658.95	659.71	658.70
3	658.69	659.12	658.50	659.16	656.53	654.89	655.92	657.59	658.98	659.04	659.48	658.90
4	658.60	659.09	658.08	659.01	656.49	654.78	656.36	657.65	659.08	659.34	659.33	658.98
5	658.57	659.07	658.06	658.75	656.55	654.86	656.56	657.67	659.05	659.64	659.10	659.00
6	658.47	659.08	657.93	658.55	656.73	654.80	656.62	657.68	659.17	659.69	659.25	659.00
7	657.82	659.05	657.90	658.27	656.97	654.57	656.80	657.99	659.18	659.75	659.20	659.19
8	658.33	659.04	657.98	657.92	656.57	654.25	656.37	657.52	659.26	659.75	659.16	658.97
9	659.95	659.06	658.01	657.83	656.09	654.16	656.34	657.15	658.85	659.52	659.00	658.45
10	659.58	658.95	658.58	657.52	655.59	654.18	656.18	656.84	658.74	659.29	658.70	658.49
11	659.62	658.85	659.20	657.14	655.12	654.27	656.15	657.35	658.49	659.19	658.64	658.66
12	659.65	659.30	659.22	656.70	655.14	654.40	656.09	658.84	658.54	659.04	658.73	658.69
13	659.61	659.08	659.26	656.78	655.61	654.84	655.88	658.68	658.87	659.02	658.78	658.85
14	659.70	659.00	659.31	659.93	655.95	655.07	655.71	658.66	658.68	658.94	658.78	659.08
15	659.71	659.57	658.88	657.11	655.69	654.89	655.86	658.96	658.67	658.86	658.67	659.41
16	659.64	659.39	658.61	657.32	655.19	654.90	655.41	659.10	658.65	658.92	658.74	659.71
17	659.49	659.26	658.32	657.67	655.07	654.77	655.31	658.99	658.61	659.25	658.70	659.86
18	659.28	659.23	658.33	657.65	654.85	654.90	655.26	658.84	658.63	659.54	658.66	659.66
19	659.10	659.37	658.27	657.65	654.73	655.33	655.24	657.96	658.62	659.47	658.61	659.50
20	659.01	659.21	658.20	657.91	654.52	655.47	655.19	658.61	658.58	659.67	658.63	659.30
21	659.14	658.74	658.16	657.79	655.22	655.69	655.19	658.70	658.56	659.71	658.69	659.12
22	659.23	659.28	658.13	657.76	655.37	655.40	655.25	658.76	658.56	659.65	658.66	659.28
23	659.46	658.71	658.30	658.05	655.55	655.30	655.39	658.65	658.54	659.39	658.66	659.23
24	659.50	658.44	658.75	658.87	655.47	655.63	655.74	658.35	658.45	659.42	658.64	659.20
25	659.65	658.43	659.05	658.59	655.56	655.80	656.22	658.48	658.33	659.30	658.58	659.22
26	659.87	658.40	659.08	658.39	655.78	655.82	656.11	658.62	658.22	659.48	658.48	659.13
27	659.83	658.40	659.01	658.26	655.84	656.01	656.06	658.67	658.15	659.78	658.44	659.10
28	659.68	658.68	658.79	658.02	655.89	655.79	656.24	658.67	658.11	659.68	658.40	659.00
29	659.81	658.78	658.80	657.90	---	655.60	656.63	658.77	658.32	659.74	658.33	659.05
30	659.92	658.62	658.85	657.30	---	655.40	656.94	658.72	658.48	659.87	658.28	659.10
31	659.22	---	659.03	657.22	---	655.29	---	658.65	---	659.79	658.21	---
Mean	659.28	658.98	658.57	658.04	655.76	655.09	655.93	658.26	658.67	659.40	658.80	659.08
Max	659.95	659.57	659.31	659.93	656.97	656.01	656.94	659.10	659.26	659.87	659.71	659.86
Min	657.82	658.40	657.90	656.70	654.52	654.16	655.19	656.84	658.11	658.82	658.21	658.45

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