Water-Data Report 2013

05507820 MONROE CITY LAKE NEAR MONROE CITY, MO

Upper Mississippi Basin
Salt Subbasin

LOCATION.--Lat 39°36′22″, long 91°39′54″ referenced to North American Datum of 1983, in sec.34, T.56 N., R.7 W., Ralls County, MO, Hydrologic Unit 07110007, on Ely Creek, 4.5 mi upstream from Salt River and 3.5 mi southeast of Monroe City

DRAINAGE AREA.--5,000 acre watershed, approximately 7.8 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 5, 2007 to current year.

GAGE.--Water-stage recorder. Datum of gage is North American Vertical Datum of 1988.

REMARKS.--Records fair except for estimated daily values, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,727 acre-ft, July 20, 2010, elevation, 673.99 ft; minimum contents, 857 acre-ft, Jan. 7, 2013, elevation, 665.04 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,485 acre-ft, Apr. 18, elevation, 671.88 ft; minimum contents, 857 acre-ft, Jan. 7, elevation, 665.04 ft.

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ELEVATION, IN FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
OBSERVATION AT 0800
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	665.41	665.52	665.30	665.12	668.06	668.90	669.47	669.40	669.79	669.36	668.62	667.99
2	665.39	665.51	665.30	665.14	668.06	668.94	669.43	669.37	669.54	669.32	668.60	667.95
3	665.37	665.49	665.30	e665.12	668.07	668.92	669.41	669.41	669.46	669.29	668.67	667.90
4	665.35	665.47	665.30	665.10	668.07	668.95	669.39	669.99	669.42	669.27	668.65	667.86
5	665.38	665.48	665.28	665.08	668.06	668.99	669.38	669.59	669.39	669.24	668.63	667.84
6	665.35	665.48	665.27	665.07	668.09	669.05	669.37	669.78	669.37	669.22	668.61	667.81
7	665.32	665.47	665.26	665.09	668.08	669.07	669.37	669.54	669.35	669.19	668.59	667.78
8	665.30	665.46	665.25	665.06	668.27	669.10	669.44	669.47	669.33	669.16	668.61	667.77
9	665.28	665.45	665.25	665.08	668.31	669.73	669.48	669.49	669.30	669.14	668.60	667.75
10	665.26	665.44	665.23	665.06	668.39	670.77	669.45	669.93	669.42	669.11	668.58	667.72
11	665.24	665.43	665.21	665.15	668.59	670.01	670.13	669.59	669.39	669.08	668.55	667.69
12	665.22	665.53	665.19	665.22	668.62	669.61	669.60	669.51	669.36	669.04	668.53	667.73
13	665.22	665.52	665.18	665.27	668.63	669.55	669.51	669.43	669.33	669.00	668.53	667.69
14	665.65	665.50	665.17	665.27	668.63	669.49	669.46	669.41	669.30	668.97	668.50	667.66
15	665.70	665.49	665.23	e665.26	668.63	669.47	669.66	669.38	669.30	668.94	668.47	667.63
16	665.69	665.48	665.23	665.25	668.62	669.45	670.10	669.36	669.66	668.91	668.45	667.61
17	665.68	665.47	665.22	665.24	668.61	669.48	669.60	669.35	669.49	668.88	668.42	667.59
18	665.69	665.45	665.21	665.23	668.61	669.46	671.76	669.33	669.42	668.86	668.39	667.58
19	665.68	665.46	665.20	665.22	668.64	669.44	669.71	669.32	669.37	668.82	668.36	667.56
20	665.66	665.45	665.19	665.20	668.64	669.44	669.52	669.32	669.34	668.78	668.34	667.59
21	665.65	665.44	665.22	665.20	668.64	669.39	669.46	669.80	669.31	668.75	668.32	667.55
22	665.64	665.43	665.21	665.18	668.75	669.39	669.44	e669.52	669.28	668.77	668.29	667.52
23	665.66	665.41	665.20	665.17	668.75	669.39	669.43	669.46	669.24	668.79	668.27	667.50
24	665.67	665.39	665.19	665.16	668.74	669.40	669.47	669.40	669.25	668.76	668.24	667.48
25	665.66	665.39	665.17	665.15	668.73	669.45	669.45	669.37	669.22	668.73	668.22	667.55
26	665.64	665.37	665.16	665.13	668.84	669.41	669.42	669.38	669.75	668.69	668.18	667.53
27	665.61	665.36	665.15	665.13	668.85	669.42	669.41	669.41	669.62	668.70	668.16	667.51
28	665.59	665.35	665.13	665.14	668.87	669.53	669.48	670.16	669.47	668.67	668.12	667.49
29	665.57	665.33	665.12	665.15	---	669.61	669.49	669.66	669.40	668.64	668.09	667.51
30	665.56	665.31	665.11	667.70	---	669.52	669.44	669.51	669.38	668.65	668.06	667.48
31	665.54	---	665.11	668.05	---	669.50	---	669.92	---	e668.63	668.03	---
Mean	665.50	665.44	665.21	665.34	668.49	669.41	669.59	669.53	669.41	668.95	668.41	667.66
Max	665.70	665.53	665.30	668.05	668.87	670.77	671.76	670.16	669.79	669.36	668.67	667.99
Min	665.22	665.31	665.11	665.06	668.06	668.90	669.37	669.32	669.22	668.63	668.03	667.48

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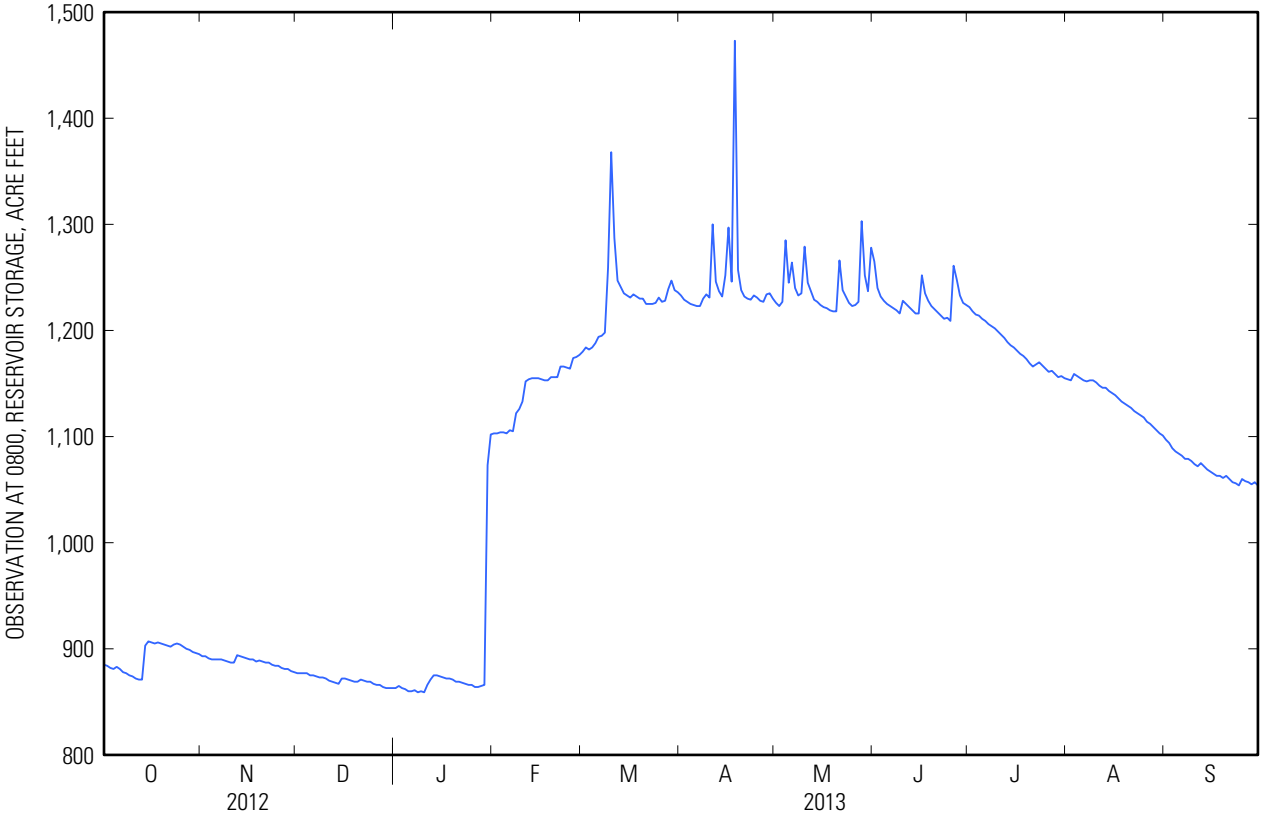
RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
OBSERVATION AT 0800
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	885	893	877	863	1,103	1,180	1,233	1,226	1,265	1,222	1,154	1,097
2	884	893	877	865	1,103	1,184	1,229	1,223	1,240	1,218	1,153	1,094
3	882	891	877	e863	1,104	1,182	1,227	1,227	1,232	1,215	1,159	1,089
4	881	890	877	862	1,104	1,184	1,225	1,285	1,228	1,214	1,157	1,086
5	883	890	875	860	1,103	1,188	1,224	1,245	1,225	1,211	1,155	1,084
6	881	890	875	860	1,106	1,194	1,223	1,264	1,223	1,209	1,153	1,082
7	878	890	874	861	1,105	1,195	1,223	1,240	1,221	1,206	1,152	1,079
8	877	889	873	859	1,122	1,198	1,230	1,233	1,219	1,204	1,153	1,079
9	875	888	873	860	1,126	1,259	1,234	1,235	1,216	1,202	1,153	1,077
10	874	887	872	859	1,133	1,368	1,231	1,279	1,228	1,199	1,151	1,074
11	872	887	870	866	1,152	1,287	1,300	1,245	1,225	1,196	1,148	1,072
12	871	894	869	871	1,154	1,247	1,246	1,237	1,222	1,193	1,146	1,075
13	871	893	868	875	1,155	1,241	1,237	1,229	1,219	1,189	1,146	1,072
14	903	892	867	875	1,155	1,235	1,232	1,227	1,216	1,186	1,143	1,069
15	907	891	872	e874	1,155	1,233	1,252	1,224	1,216	1,184	1,141	1,067
16	906	890	872	873	1,154	1,231	1,297	1,222	1,252	1,181	1,139	1,065
17	905	890	871	872	1,153	1,234	1,246	1,221	1,235	1,178	1,136	1,063
18	906	888	870	872	1,153	1,232	1,473	1,219	1,228	1,176	1,133	1,063
19	905	889	869	871	1,156	1,230	1,257	1,218	1,223	1,173	1,131	1,061
20	904	888	869	869	1,156	1,230	1,238	1,218	1,220	1,169	1,129	1,063
21	903	887	871	869	1,156	1,225	1,232	1,266	1,217	1,166	1,127	1,060
22	902	887	870	868	1,166	1,225	1,230	e1,238	1,214	1,168	1,124	1,057
23	904	885	869	867	1,166	1,225	1,229	1,232	1,211	1,170	1,122	1,056
24	905	884	869	866	1,165	1,226	1,233	1,226	1,212	1,167	1,120	1,054
25	904	884	867	866	1,164	1,231	1,231	1,223	1,209	1,164	1,118	1,060
26	902	882	866	864	1,174	1,227	1,228	1,224	1,261	1,161	1,114	1,058
27	900	881	866	864	1,175	1,228	1,227	1,227	1,248	1,162	1,112	1,057
28	899	881	864	865	1,177	1,239	1,234	1,303	1,233	1,159	1,109	1,055
29	897	879	863	866	---	1,247	1,235	1,252	1,226	1,156	1,106	1,057
30	896	878	863	1,073	---	1,238	1,230	1,237	1,224	1,157	1,103	1,054
31	895	---	863	1,102	---	1,236	---	1,278	---	e1,155	1,101	---
Mean	892	888	870	881	1,143	1,228	1,246	1,239	1,227	1,184	1,135	1,069
Max	907	894	877	1,102	1,177	1,368	1,473	1,303	1,265	1,222	1,159	1,097
Min	871	878	863	859	1,103	1,180	1,223	1,218	1,209	1,155	1,101	1,054

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