Water-Data Report 2012

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.--No estimated daily values. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,727 acre-ft, July 20, 2010, elevation, 673.99 ft; minimum contents, 1,011 acre-ft, Nov. 30, Dec. 1, 6, 2008 elevation, 666.97 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,306 acre-ft, Apr. 30, elevation, 670.19 ft; minimum contents, 886 acre-ft, Sept. 30, elevation, 665.42 ft.

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ELEVATION, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
OBSERVATION AT 0800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	667.08	666.57	666.68	669.37	669.17	669.30	669.40	669.83	668.61	667.79	666.65	665.91
2	667.05	666.58	666.66	669.35	669.19	669.30	669.39	669.77	668.58	667.76	666.62	665.93
3	667.03	666.64	666.66	669.34	669.17	669.33	669.38	669.58	668.55	667.72	666.59	665.91
4	667.01	666.69	666.69	669.33	669.25	669.29	669.37	669.50	668.53	667.68	666.56	665.90
5	666.99	666.67	666.67	669.32	669.37	669.28	669.38	669.47	668.50	667.63	666.52	665.88
6	666.97	666.66	666.66	669.31	669.39	669.26	669.37	669.44	668.46	667.59	666.46	665.89
7	666.95	666.66	666.65	669.30	669.40	669.25	669.35	669.42	668.43	667.55	666.42	665.86
8	666.93	666.78	666.64	669.29	669.40	669.28	669.34	669.38	668.39	667.50	666.38	665.85
9	666.91	666.78	666.63	669.28	669.40	669.28	669.34	669.35	668.35	667.46	666.36	665.81
10	666.89	666.78	666.61	669.27	669.40	669.27	669.32	669.33	668.32	667.40	666.31	665.78
11	666.87	666.75	666.60	669.26	669.38	669.27	669.28	669.30	668.34	667.36	666.27	665.76
12	666.90	666.74	666.60	669.27	669.38	669.29	669.27	669.28	668.33	667.32	666.22	665.73
13	666.91	666.74	666.59	669.26	669.37	669.30	669.25	669.26	668.29	667.28	666.19	665.70
14	666.89	666.73	666.69	669.24	669.38	669.29	669.39	669.24	668.26	667.32	666.16	665.70
15	666.86	666.71	668.04	669.24	669.37	669.29	669.51	669.20	668.23	667.28	666.13	665.68
16	666.84	666.68	668.11	669.23	669.41	669.29	669.69	669.17	668.28	667.24	666.10	665.66
17	666.81	666.67	668.11	669.25	669.40	669.29	669.56	669.15	668.32	667.21	666.06	665.65
18	666.82	666.67	668.11	669.23	669.38	669.28	669.50	669.10	668.30	667.16	666.02	665.63
19	666.79	666.63	668.11	669.23	669.38	669.27	669.46	669.06	668.26	667.12	665.98	665.60
20	666.76	666.61	668.95	669.24	669.37	669.27	669.44	669.04	668.23	667.07	665.95	665.57
21	666.75	666.60	669.54	669.21	669.40	669.26	669.42	669.00	668.20	667.03	665.91	665.54
22	666.72	666.65	669.51	669.23	669.39	669.28	669.43	668.96	668.16	666.99	665.87	665.52
23	666.72	666.61	669.46	669.22	669.40	669.27	669.39	668.93	668.12	666.95	665.84	665.48
24	666.70	666.62	669.44	669.21	669.36	669.33	669.37	668.88	668.09	666.90	665.80	665.46
25	666.69	666.61	669.46	669.22	669.34	669.34	669.36	668.85	668.06	666.85	665.77	665.48
26	666.67	666.60	669.41	669.20	669.32	669.32	669.35	668.82	668.01	666.82	665.74	665.49
27	666.66	666.71	669.42	669.19	669.34	669.31	669.32	668.79	667.96	666.80	665.78	665.48
28	666.64	666.71	669.40	669.19	669.31	669.29	669.29	668.75	667.93	666.75	665.75	665.47
29	666.62	666.71	669.40	669.18	669.33	669.29	669.29	668.71	667.89	666.74	665.72	665.44
30	666.60	666.69	669.39	669.18	---	669.40	670.17	668.67	667.84	666.72	665.69	665.43
31	666.58	---	669.38	669.18	---	669.40	---	668.63	---	666.68	665.65	---
Mean	666.83	666.67	667.94	669.25	669.35	669.30	669.41	669.16	668.26	667.22	666.11	665.67
Max	667.08	666.78	669.54	669.37	669.41	669.40	670.17	669.83	668.61	667.79	666.65	665.93
Min	666.58	666.57	666.59	669.18	669.17	669.25	669.25	668.63	667.84	666.68	665.65	665.43

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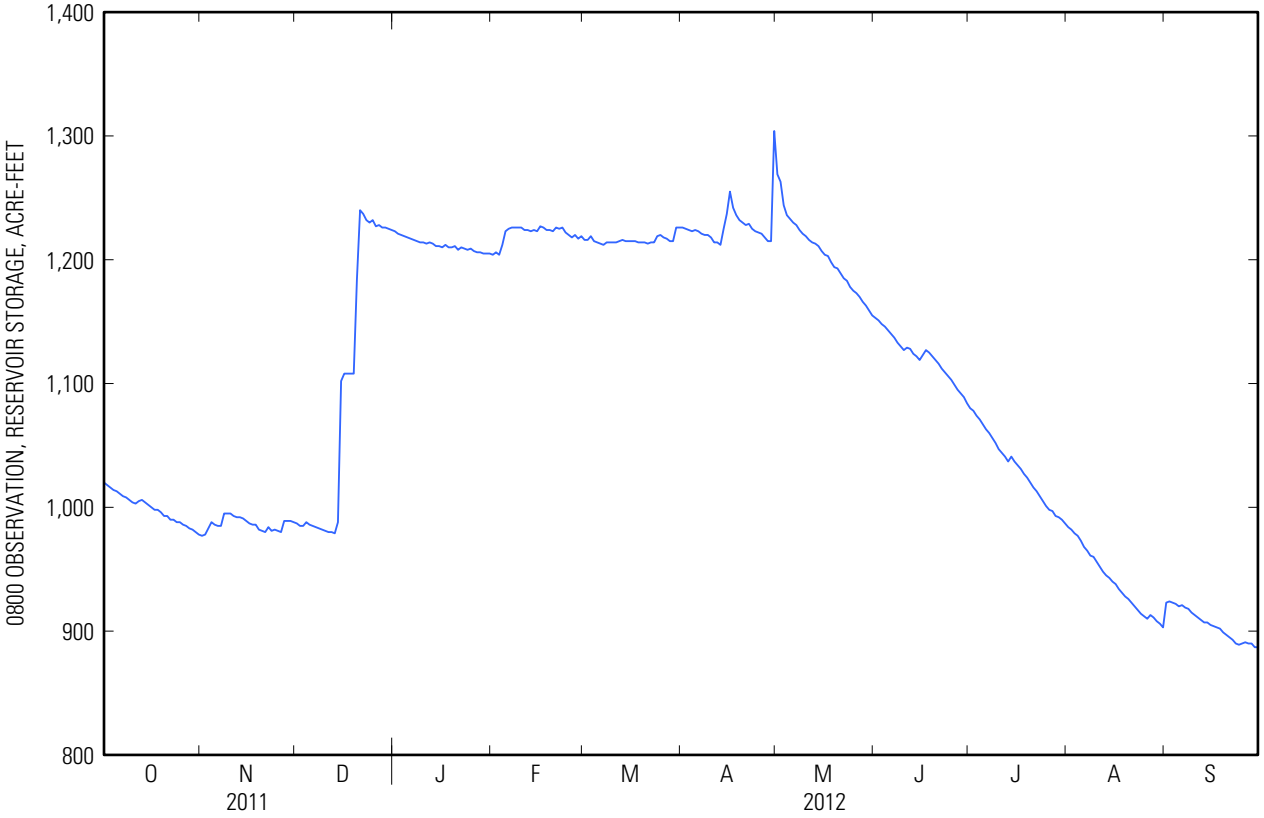
RESERVOIR STORAGE, ACRE-FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
OBSERVATION AT 0800

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,020	977	987	1,223	1,204	1,216	1,226	1,269	1,153	1,080	984	923
2	1,018	978	985	1,221	1,206	1,216	1,225	1,263	1,151	1,078	982	924
3	1,016	983	985	1,220	1,204	1,219	1,224	1,244	1,148	1,074	979	923
4	1,014	988	988	1,219	1,212	1,215	1,223	1,236	1,146	1,071	977	922
5	1,013	986	986	1,218	1,223	1,214	1,224	1,233	1,143	1,067	973	920
6	1,011	985	985	1,217	1,225	1,213	1,223	1,230	1,140	1,063	968	921
7	1,009	985	984	1,216	1,226	1,212	1,221	1,228	1,137	1,060	965	919
8	1,008	995	983	1,215	1,226	1,214	1,220	1,224	1,133	1,056	961	918
9	1,006	995	982	1,214	1,226	1,214	1,220	1,221	1,130	1,052	960	915
10	1,004	995	981	1,214	1,226	1,214	1,218	1,219	1,127	1,047	956	913
11	1,003	993	980	1,213	1,224	1,214	1,214	1,216	1,129	1,044	952	911
12	1,005	992	980	1,214	1,224	1,215	1,214	1,214	1,128	1,041	948	909
13	1,006	992	979	1,213	1,223	1,216	1,212	1,213	1,124	1,037	945	907
14	1,004	991	988	1,211	1,224	1,215	1,225	1,211	1,122	1,041	943	907
15	1,002	989	1,102	1,211	1,223	1,215	1,237	1,207	1,119	1,037	940	905
16	1,000	987	1,108	1,210	1,227	1,215	1,255	1,204	1,123	1,034	938	904
17	998	986	1,108	1,212	1,226	1,215	1,242	1,203	1,127	1,031	934	903
18	998	986	1,108	1,210	1,224	1,214	1,236	1,198	1,125	1,027	931	902
19	996	982	1,108	1,210	1,224	1,214	1,232	1,194	1,122	1,024	928	899
20	993	981	1,184	1,211	1,223	1,214	1,230	1,193	1,119	1,020	926	897
21	993	980	1,240	1,208	1,226	1,213	1,228	1,189	1,116	1,016	923	895
22	990	984	1,237	1,210	1,225	1,214	1,229	1,185	1,112	1,013	920	893
23	990	981	1,232	1,209	1,226	1,214	1,225	1,183	1,109	1,009	917	890
24	988	982	1,230	1,208	1,222	1,219	1,223	1,178	1,106	1,005	914	889
25	988	981	1,232	1,209	1,220	1,220	1,222	1,175	1,103	1,001	912	890
26	986	980	1,227	1,207	1,218	1,218	1,221	1,173	1,099	998	910	891
27	985	989	1,228	1,206	1,220	1,217	1,218	1,170	1,095	997	913	890
28	983	989	1,226	1,206	1,217	1,215	1,215	1,166	1,092	993	911	890
29	982	989	1,226	1,205	1,219	1,215	1,215	1,163	1,089	992	908	887
30	980	988	1,225	1,205	---	1,226	1,304	1,159	1,084	990	906	887
31	978	---	1,224	1,205	---	1,226	---	1,155	---	987	903	---
Mean	999	986	1,097	1,212	1,221	1,216	1,227	1,204	1,122	1,032	940	905
Max	1,020	995	1,240	1,223	1,227	1,226	1,304	1,269	1,153	1,080	984	924
Min	978	977	979	1,205	1,204	1,212	1,212	1,155	1,084	987	903	887

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