

Water-Data Report 2013

07027000 REELFOOT LAKE NEAR TIPTONVILLE, TN

Hatchie-Obion Basin
Obion Subbasin

LOCATION.--Lat 36°21'11", long 89°24'22" referenced to North American Datum of 1927, Lake County, TN, Hydrologic Unit 08010202, at channel above near spillway South of Reelfoot Lake State Park, 0.35 mi east of Blue Bank, on right bank just below State Highway 2½2 bridge, 300 ft. north of the new spillway, and 4 mi southeast of Tiptonville.

DRAINAGE AREA.--240 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1940 to current year.

GAGE.--Data collection platform.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.74 ft, from recorded range in stage, May 4, 2011; minimum, 9.59 ft, July 6, 7, 8, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1937 reached a stage of about 17.0 ft, at spillway, present datum, from information by local resident. Minimum stage at spillway, 9.30 ft, Nov. 20, 21, 1953 at a datum of 270.29 ft above sea level.

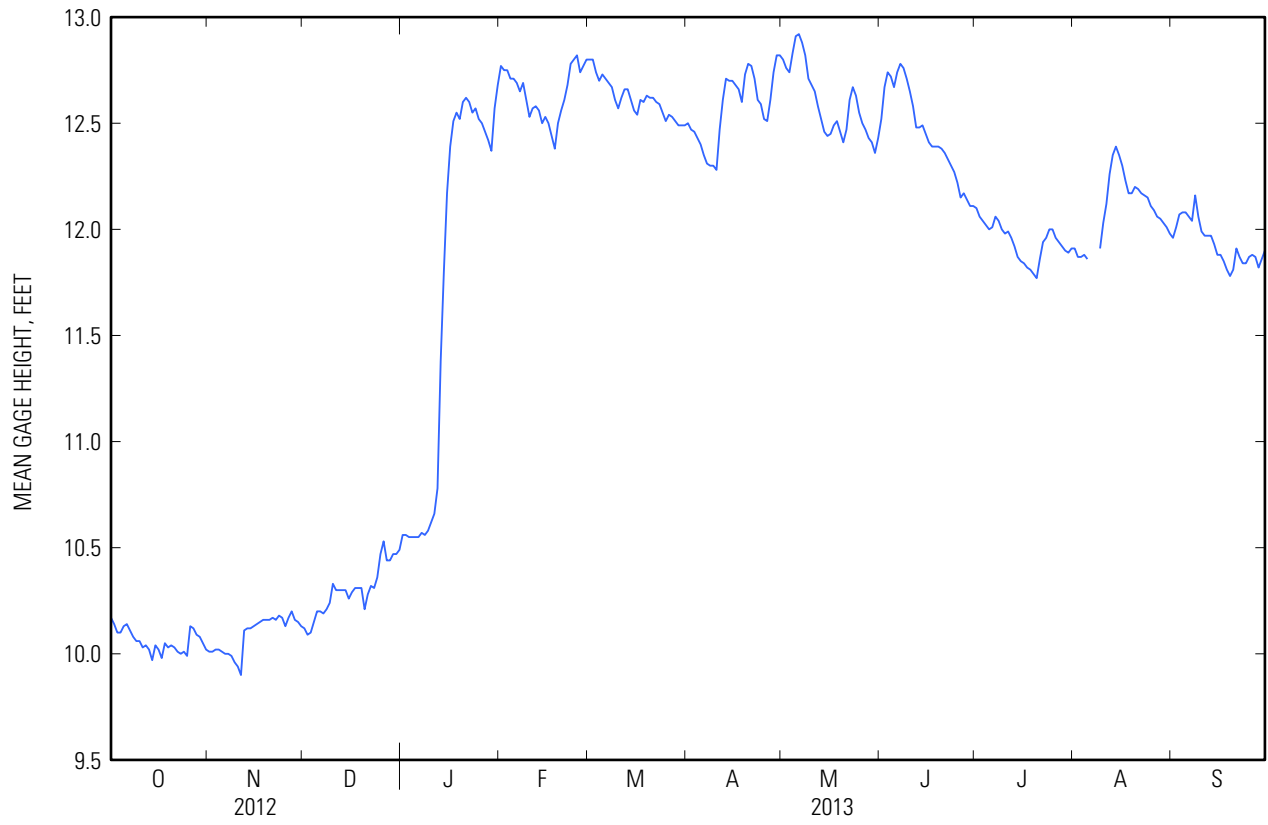
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.96 ft, May 5; minimum, 9.83 ft, Nov. 11.

07027000 REELFOOT LAKE NEAR TIPTONVILLE, TN—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10.17	10.01	10.12	10.56	12.77	12.80	12.50	12.80	12.52	12.10	11.91	11.96
2	10.14	10.01	10.09	10.56	12.75	12.80	12.47	12.76	12.67	12.06	11.87	12.01
3	10.10	10.02	10.10	10.55	12.75	12.74	12.46	12.74	12.74	12.04	11.87	12.07
4	10.10	10.02	10.15	10.55	12.71	12.70	12.43	12.83	12.72	12.02	11.88	12.08
5	10.13	10.01	10.20	10.55	12.71	12.73	12.40	12.91	12.67	12.00	11.86	12.08
6	10.14	10.00	10.20	10.55	12.69	12.71	12.35	12.92	12.74	12.01	---	12.06
7	10.11	10.00	10.19	10.57	12.65	12.69	12.31	12.88	12.78	12.06	---	12.04
8	10.08	9.99	10.21	10.56	12.69	12.67	12.30	12.82	12.76	12.04	---	12.16
9	10.06	9.96	10.24	10.58	12.61	12.61	12.30	12.71	12.71	12.00	11.91	12.06
10	10.06	9.94	10.33	10.62	12.53	12.57	12.28	12.68	12.65	11.98	12.03	11.99
11	10.03	9.90	10.30	10.66	12.57	12.62	12.47	12.65	12.58	11.99	12.12	11.97
12	10.04	10.11	10.30	10.78	12.58	12.66	12.61	12.58	12.48	11.96	12.26	11.97
13	10.02	10.12	10.30	11.38	12.56	12.66	12.71	12.52	12.48	11.92	12.35	11.97
14	9.97	10.12	10.30	11.80	12.50	12.61	12.70	12.46	12.49	11.87	12.39	11.93
15	10.04	10.13	10.26	12.17	12.53	12.56	12.70	12.44	12.45	11.85	12.35	11.88
16	10.02	10.14	10.29	12.39	12.50	12.54	12.68	12.45	12.41	11.84	12.30	11.88
17	9.98	10.15	10.31	12.51	12.44	12.61	12.66	12.49	12.39	11.82	12.23	11.85
18	10.05	10.16	10.31	12.55	12.38	12.60	12.60	12.51	12.39	11.81	12.17	11.81
19	10.03	10.16	10.31	12.52	12.50	12.63	12.73	12.46	12.39	11.79	12.17	11.78
20	10.04	10.16	10.21	12.60	12.56	12.62	12.78	12.41	12.38	11.77	12.20	11.81
21	10.03	10.17	10.28	12.62	12.61	12.62	12.77	12.47	12.36	11.86	12.19	11.91
22	10.01	10.16	10.32	12.60	12.68	12.60	12.71	12.61	12.33	11.94	12.17	11.87
23	10.00	10.18	10.31	12.55	12.78	12.59	12.61	12.67	12.30	11.96	12.16	11.84
24	10.01	10.17	10.36	12.57	12.80	12.55	12.59	12.63	12.27	12.00	12.15	11.84
25	9.99	10.13	10.47	12.52	12.82	12.51	12.52	12.55	12.22	12.00	12.11	11.87
26	10.13	10.17	10.53	12.50	12.74	12.54	12.51	12.50	12.15	11.96	12.09	11.88
27	10.12	10.20	10.44	12.46	12.77	12.53	12.61	12.47	12.17	11.94	12.06	11.87
28	10.09	10.16	10.44	12.42	12.80	12.51	12.74	12.43	12.14	11.92	12.05	11.82
29	10.08	10.15	10.47	12.37	---	12.49	12.82	12.41	12.11	11.90	12.03	11.86
30	10.05	10.13	10.47	12.57	---	12.49	12.82	12.36	12.11	11.89	12.01	11.90
31	10.02	---	10.49	12.68	---	12.49	---	12.43	---	11.91	11.98	---
Mean	10.06	10.09	10.30	11.71	12.64	12.61	12.57	12.60	12.45	11.94	---	11.93
Max	10.17	10.20	10.53	12.68	12.82	12.80	12.82	12.92	12.78	12.10	---	12.16
Min	9.97	9.90	10.09	10.55	12.38	12.49	12.28	12.36	12.11	11.77	---	11.78

07027000 REELFOOT LAKE NEAR TIPTONVILLE, TN—Continued



07027000 REELFOOT LAKE NEAR TIPTONVILLE, TN—Continued

CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--Temporary data collected from May 2004 to Sept. 2012. Permanent data collection beginning in October 2012.

REMARKS.-- Precipitation data collected during freezing period which may not accurately reflect daily record, missing data periods are due to equipment malfunction (plugged rain gage funnel).

INSTRUMENTATION.--Tipping bucket rain gage, 8 inch diameter, unheated, not equipped with a wind shield, mounted to the top of gage house tower approximately 8 feet above the ground surface.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 3.02 in., Jan. 12.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.24	0.00	0.00	0.01	0.00	0.06	0.00	0.00	1.79	0.02	0.00	0.01
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.06	0.00
4	0.00	0.00	0.50	0.00	0.09	0.09	0.16	0.00	0.00	0.00	0.00	0.00
5	0.37	0.05	0.00	0.00	0.00	0.26	0.00	0.00	1.08	0.00	0.30	0.00
6	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.45	---	0.00
7	0.00	0.00	0.04	0.00	0.11	0.00	0.00	0.00	0.00	0.00	---	0.00
8	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
9	0.00	0.00	0.93	0.11	0.00	0.00	0.00	0.00	0.32	0.00	0.31	0.00
10	0.00	0.00	0.00	1.16	0.51	0.85	0.59	0.46	0.01	0.00	1.35	0.00
11	0.00	1.17	0.00	0.01	0.00	0.00	1.86	0.03	0.00	0.00	0.00	0.05
12	0.12	0.68	0.00	3.02	0.01	0.00	0.00	0.00	0.00	0.00	1.56	0.00
13	0.00	0.00	0.00	2.32	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
15	---	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00
16	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	---	0.00	0.00	0.08	0.00	0.08	0.01	0.85	0.04	0.00	0.00	0.00
18	---	0.00	0.00	0.00	1.19	0.46	2.16	0.00	0.00	0.05	0.00	0.00
19	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	---	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	1.22
21	---	0.00	0.00	0.00	1.28	0.00	0.00	2.49	0.00	2.18	0.00	0.02
22	---	0.00	0.00	0.00	0.00	0.02	0.00	0.13	0.00	0.55	0.00	0.00
23	---	0.01	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.47	0.00	0.00
24	0.00	0.00	0.01	0.00	0.00	0.12	0.27	0.00	0.08	0.00	0.00	0.84
25	0.00	0.00	0.38	0.03	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.02
26	0.47	0.11	0.05	0.00	0.10	0.00	0.81	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	2.19	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.49	0.01	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
29	0.00	0.00	0.00	1.15	---	0.12	0.00	0.00	0.00	0.00	0.00	0.73
30	0.00	0.00	0.00	0.71	---	0.08	0.00	0.01	0.11	0.39	0.00	0.01
31	0.00	---	0.22	0.00	---	0.10	---	1.22	---	0.01	0.00	---
Total	---	2.02	3.34	8.61	3.92	2.36	8.05	6.96	3.50	5.28	---	2.90