

Water-Data Report 2012

**04097188 AUSTIN LAKE NEAR KALAMAZOO, MI**

Southeastern Lake Michigan Basin  
St. Joseph Subbasin

LOCATION.--Lat 42°11'27", long 85°33'03" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.23, T.3 S., R.11 W., Kalamazoo County, MI, Hydrologic Unit 04050001, at outlet of discharge pipe from Pfizer recharge ponds, 1.3 mi southeast of Portage, and 5.0 mi south of Kalamazoo.

DRAINAGE AREA.--Indeterminate.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1944 to July 1950, April 1958 to March 1963, December 1963 to September 1979, September 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 850.15 ft above NGVD 29 (City of Portage bench mark). Prior to May 31, 2002, nonrecording gage at different datums; daily instantaneous values from September 1998 to May 30, 2002, have been converted to present datum.

REMARKS.--The principal inlet is the diversion canal from Gourneck Creek which flows through West Lake into the northwest side of Austin Lake. At times, depending on relative lake levels, water will flow through a connecting channel from Long Lake into the northeast side of Austin Lake. At other times the flow will be reversed, or if both lake levels are low, there will be no flow. Inflow to Austin Lake is also supplemented at times by water discharge from the nearby Pfizer recharge ponds. The outlet leaves the southeast end of the lake and flows south about 1.5 mi to Gourneck Creek. Surface area is 1,050 acres. Established legal level is 855.64 ft above NGVD 29. Gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 6.72 ft, May 2-4, 1950, present datum; minimum observed, 2.23 ft, Oct. 20, Dec. 10, 1964, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.28 ft, Nov. 9; minimum, 5.37 ft, Sept. 18, 20.

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**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.04	6.17	6.18	5.98	6.02	6.04	5.96	6.16	5.96	5.63	5.51	5.45
2	6.04	6.16	6.17	5.99	6.01	6.03	5.95	6.16	5.97	5.62	5.51	5.45
3	6.03	6.14	6.16	5.99	6.00	6.06	5.97	6.19	5.95	5.60	5.50	5.44
4	6.03	6.14	6.19	5.99	5.99	6.04	5.97	6.22	5.94	5.58	5.50	5.45
5	6.02	6.14	6.17	5.98	5.98	6.03	5.95	6.22	5.92	5.56	5.47	5.45
6	6.02	6.14	6.14	5.98	5.98	6.04	5.94	6.22	5.92	5.55	5.46	5.45
7	6.02	6.12	6.11	5.97	5.98	6.05	5.93	6.22	5.91	5.53	5.44	5.44
8	6.01	6.15	6.09	5.97	5.97	6.03	5.92	6.21	5.91	5.54	5.43	5.44
9	6.01	6.18	6.07	5.96	5.97	6.02	5.90	6.18	5.89	5.51	5.45	5.46
10	6.01	6.16	6.06	5.96	5.97	6.02	5.87	6.16	5.88	5.49	5.51	5.45
11	6.00	6.17	6.04	5.95	5.97	5.99	5.86	6.14	5.87	5.47	5.54	5.45
12	5.99	6.15	6.02	5.97	5.97	6.02	5.86	6.15	5.85	5.46	5.54	5.44
13	6.00	6.16	6.00	6.02	5.96	6.02	5.87	6.15	5.83	5.45	5.54	5.42
14	6.06	6.13	6.05	6.02	5.96	6.01	5.89	6.14	5.82	5.45	5.55	5.45
15	6.04	6.13	6.08	6.00	5.96	6.01	5.97	6.13	5.81	5.47	5.55	5.44
16	6.03	6.10	6.06	6.00	5.98	6.01	6.06	6.10	5.81	5.47	5.56	5.43
17	6.02	6.09	6.04	6.03	5.98	6.01	6.02	6.08	5.79	5.46	5.55	5.43
18	6.01	6.09	6.03	6.03	5.97	6.00	6.03	6.07	5.79	---	5.54	5.42
19	6.02	6.08	6.02	6.03	5.96	6.00	6.04	6.06	5.77	---	5.52	5.43
20	6.18	6.05	6.01	6.02	5.95	5.99	6.05	6.04	5.77	---	5.51	5.40
21	6.20	6.04	6.01	6.03	5.95	5.98	6.06	6.05	5.75	---	5.50	5.40
22	6.20	6.05	6.00	6.02	5.96	5.97	6.06	6.02	5.73	---	5.50	5.47
23	6.19	6.10	5.99	6.04	5.95	5.99	6.05	6.01	5.72	---	5.49	5.51
24	6.22	6.10	6.00	6.04	5.97	6.05	6.05	6.02	5.71	---	5.48	5.51
25	6.21	6.10	5.98	6.03	6.00	6.03	6.07	5.99	5.69	---	5.47	5.50
26	6.20	6.10	5.97	6.03	6.00	5.99	6.07	5.97	5.68	5.54	5.47	5.50
27	6.18	6.11	5.96	6.04	5.98	5.99	6.07	5.98	5.67	5.56	5.48	5.50
28	6.18	6.11	5.96	6.04	5.96	5.96	6.07	5.98	5.65	5.54	5.47	5.50
29	6.18	6.15	5.96	6.04	6.02	5.94	6.08	5.95	5.65	5.54	5.47	5.50
30	6.17	6.20	5.96	6.03	---	5.95	6.13	5.93	5.64	5.53	5.47	5.49
31	6.17	---	5.98	6.02	---	5.96	---	5.91	---	5.53	5.46	---
<b>Mean</b>	6.09	6.12	6.05	6.01	5.98	6.01	5.99	6.09	5.81	---	5.50	5.46
<b>Max</b>	6.22	6.20	6.19	6.04	6.02	6.06	6.13	6.22	5.97	---	5.56	5.51
<b>Min</b>	5.99	6.04	5.96	5.95	5.95	5.94	5.86	5.91	5.64	---	5.43	5.40

Calendar Year 2011	
<b>Mean</b>	6.02
<b>Max</b>	6.35
<b>Min</b>	5.68

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