

Water-Data Report 2012

05547000 CHANNEL LAKE NEAR ANTIOCH, IL

Upper Illinois Basin
Upper Fox Subbasin

LOCATION.--Lat 42°28'18", long 88°08'49" referenced to North American Datum of 1983, in NW ¼ NE ¼ sec.14, T.46 N., R.9 E., Lake County, IL, Hydrologic Unit 07120006, on right bank 30 ft downstream from bridge on State Highway 173, at dredged channel outlet of Channel Lake, 0.8 mi southwest of natural outlet, and 3 mi west of Antioch.

SURFACE-WATER RECORDS

PERIOD OF RECORD.—

SURFACE-WATER DISCHARGE AND STAGE

STAGE: October 1939 to current year.

GAGE.--Water-stage recorder and phone telemeter. Datum of gage is 733.00 ft above NGVD of 1929 (levels by Illinois Department of Transportation) (732.76 ft NAVD 1988). Prior to October 1, 1971, at datum 2.21 ft higher.

REMARKS.--Stage regulated by Stratton Lock and Dam (previously known as McHenry Dam).

EXTREMES FOR PERIOD OF RECORD.--

STAGE: Maximum gage height, 8.29 ft, present datum, April 6, 1960; minimum, 1.65 ft, January 25, 26, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 4.55 ft, May 8, but may have been greater during period of missing gage-height record, November 26 to May 2; minimum recorded, 3.21 ft, November 26, but may have been less during period of missing gage-height record, November 26 to May 2.

05547000 CHANNEL LAKE NEAR ANTIOCH, IL—Continued

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	4.33	4.27	---	---	---	---	---	---	4.10	3.84	3.93	3.87
2	4.30	4.22	---	---	---	---	---	---	4.19	3.83	3.94	3.84
3	4.23	4.09	---	---	---	---	---	4.31	4.21	3.85	3.92	3.83
4	4.19	4.12	---	---	---	---	---	4.23	4.19	3.86	3.90	3.84
5	4.17	4.09	---	---	---	---	---	4.18	4.15	3.84	3.90	3.87
6	4.17	4.12	---	---	---	---	---	4.29	4.12	3.83	3.88	3.89
7	4.18	3.95	---	---	---	---	---	4.47	4.11	3.79	3.88	3.90
8	4.18	3.88	---	---	---	---	---	4.52	4.13	3.71	3.85	3.89
9	4.14	3.98	---	---	---	---	---	4.50	4.14	3.71	3.83	3.89
10	4.13	4.08	---	---	---	---	---	4.50	4.14	3.67	3.83	3.89
11	4.12	4.15	---	---	---	---	---	4.49	4.13	3.65	3.83	3.92
12	4.12	4.21	---	---	---	---	---	4.36	4.06	3.65	3.85	3.94
13	4.15	4.31	---	---	---	---	---	4.29	4.02	3.64	3.86	3.90
14	4.21	4.10	---	---	---	---	---	4.28	4.00	3.64	3.86	3.88
15	4.22	4.06	---	---	---	---	---	4.29	3.99	3.64	3.87	3.89
16	4.16	3.96	---	---	---	---	---	4.16	3.99	3.64	3.91	3.90
17	4.19	3.89	---	---	---	---	---	4.17	4.02	3.63	3.93	3.92
18	4.12	3.93	---	---	---	---	---	4.16	4.09	3.56	3.92	3.87
19	4.03	3.73	---	---	---	---	---	4.13	4.10	3.67	3.92	4.03
20	4.06	3.45	---	---	---	---	---	4.14	4.09	3.76	3.92	3.92
21	4.13	3.31	---	---	---	---	---	4.02	4.02	3.83	3.97	3.92
22	4.14	---	---	---	---	---	---	4.01	3.94	3.85	3.99	3.92
23	4.15	3.25	---	---	---	---	---	4.03	3.91	3.89	4.00	3.91
24	4.18	3.34	---	---	---	---	---	4.10	3.90	3.86	4.00	3.97
25	4.22	3.32	---	---	---	---	---	4.03	3.81	3.91	3.98	3.92
26	4.15	---	---	---	---	---	---	4.01	3.81	3.95	3.97	3.88
27	4.21	---	---	---	---	---	---	4.06	3.88	3.92	3.96	3.86
28	4.24	---	---	---	---	---	---	4.14	3.87	3.89	3.94	3.86
29	4.23	---	---	---	---	---	---	4.13	3.83	3.91	3.93	3.87
30	4.30	---	---	---	---	---	---	4.08	3.83	3.92	3.93	3.85
31	4.26	---	---	---	---	---	---	4.06	---	3.93	3.94	---
Mean	4.18	---	---	---	---	---	---	---	4.03	3.78	3.91	3.89
Max	4.33	---	---	---	---	---	---	---	4.21	3.95	4.00	4.03
Min	4.03	---	---	---	---	---	---	---	3.81	3.56	3.83	3.83

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