

Water-Data Report 2007

06604200 WEST OKOBOJI LAKE AT LAKESIDE LABORATORY NEAR MILFORD, IA

Missouri-Little Sioux Basin
Little Sioux Subbasin

LOCATION.--Lat 43°22'43", long 95°10'52" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.23, T.99 N., R.37 W., Dickinson County, IA, Hydrologic Unit 10230003, at pumping station of Lakeside Laboratory on west shore, 2.3 mi upstream from lake outlet, and 3.8 mi northwest of Milford.

DRAINAGE AREA.--125 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1933 to current year. Published as "Okoboji Lake at Arnold's Park" 1933-1937 and as "Okoboji Lake at Lakeside Laboratory near Milford" 1937-1966.

GAGE.--Water-stage recorder. Datum of gage is 1,391.76 ft above NGVD of 1929, 94.51 ft above Iowa Lake Survey datum. Prior to June 17, 1938, nonrecording gage at State Pier at Arnolds Park at same datum.

REMARKS.--A reliable record of stage was obtained for the year. Lake formed by concrete dam with ungated spillway at elevation 1,395.8 ft above sea level. Lake is used for conservation and recreation. Area of lake is approximately 3,900 acres. U.S. Geological Survey data collection platform with satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.70 ft, July 17, 1993; minimum observed gage height, 0.20 ft, September 20, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.15 ft, May 9, 10; minimum gage height, 3.60 ft, November 21, 22.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.95	3.67	3.69	3.93	4.10	4.26	5.06	4.74	4.61	4.20	3.79	4.57
2	3.96	3.66	3.67	3.93	4.10	4.31	5.10	4.71	4.61	4.18	3.78	4.55
3	3.96	3.66	3.67	3.94	4.10	4.30	5.10	4.69	4.62	4.18	3.76	4.54
4	3.96	3.65	3.66	3.95	4.10	4.29	5.08	4.67	4.62	4.20	3.82	4.52
5	3.94	3.65	3.66	3.96	4.10	4.27	5.06	4.69	4.59	4.19	3.83	4.50
6	3.92	3.65	3.66	3.97	4.11	4.26	5.02	4.97	4.55	4.18	3.82	4.49
7	3.90	3.65	3.65	3.97	4.11	4.25	4.98	5.11	4.52	4.16	3.82	4.48
8	3.89	3.65	3.65	3.97	4.11	4.25	4.95	5.13	4.49	4.14	3.82	4.46
9	3.91	3.65	3.65	3.98	4.11	4.24	4.93	5.14	4.46	4.12	3.81	4.43
10	3.90	3.68	3.65	3.98	4.12	4.25	4.93	5.14	4.44	4.09	3.80	4.40
11	3.87	3.66	3.65	3.99	4.12	4.26	4.98	5.12	4.43	4.05	3.79	4.37
12	3.84	3.65	3.66	3.98	4.13	4.32	4.96	5.10	4.42	4.03	3.78	4.34
13	3.81	3.66	3.67	3.98	4.14	4.47	4.94	5.06	4.40	4.01	3.76	4.31
14	3.80	3.66	3.67	3.99	4.15	4.57	4.93	5.03	4.38	3.99	3.75	4.28
15	3.79	3.66	3.67	4.03	4.15	4.60	4.92	5.01	4.36	3.98	3.78	4.25
16	3.80	3.65	3.67	4.03	4.15	4.61	4.91	4.96	4.35	3.96	3.78	4.23
17	3.80	3.65	3.67	4.04	4.16	4.62	4.90	4.92	4.34	3.95	3.76	4.22
18	3.81	3.64	3.67	4.04	4.16	4.64	4.88	4.87	4.32	3.97	4.09	4.24
19	3.80	3.64	3.66	4.04	4.16	4.66	4.86	4.84	4.30	3.99	4.23	4.26
20	3.80	3.63	3.67	4.05	4.15	4.67	4.84	4.81	4.27	3.96	4.43	4.24
21	3.79	3.63	3.73	4.06	4.15	4.69	4.82	4.78	4.26	3.93	4.55	4.23
22	3.77	3.63	3.74	4.07	4.15	4.70	4.85	4.75	4.37	3.90	4.60	4.22
23	3.76	3.63	3.74	4.08	4.15	4.71	4.88	4.74	4.37	3.89	4.63	4.20
24	3.75	3.63	3.75	4.08	4.18	4.72	4.88	4.74	4.36	3.88	4.65	4.21
25	3.74	3.63	3.75	4.08	4.23	4.76	4.87	4.72	4.34	3.87	4.64	4.23
26	3.74	3.64	3.75	4.09	4.23	4.77	4.85	4.68	4.32	3.86	4.62	4.21
27	3.73	3.67	3.75	4.09	4.23	4.78	4.83	4.66	4.30	3.88	4.62	4.20
28	3.72	3.70	3.75	4.09	4.22	4.79	4.80	4.62	4.27	3.86	4.62	4.19
29	3.72	3.70	3.76	4.09	---	4.80	4.78	4.61	4.24	3.85	4.63	4.22
30	3.71	3.70	3.80	4.09	---	4.88	4.76	4.61	4.23	3.83	4.61	4.25
31	3.69	---	3.90	4.10	---	4.97	---	4.61	---	3.82	4.59	---
Mean	3.82	3.65	3.70	4.02	4.15	4.54	4.92	4.85	4.40	4.00	4.13	4.33
Max	3.96	3.70	3.90	4.10	4.23	4.97	5.10	5.14	4.62	4.20	4.65	4.57
Min	3.69	3.63	3.65	3.93	4.10	4.24	4.76	4.61	4.23	3.82	3.75	4.19

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