

Water-Data Report 2011

**05056500 DEVILS LAKE NEAR DEVILS LAKE, ND**

Devils Lake-Sheyenne Basin  
Devils Lake Subbasin

LOCATION.--Lat 48°05'58", long 98°54'10" referenced to North American Datum of 1927, in NE ¼ sec.5, T.153 N., R.64 W., Ramsey County, ND, Hydrologic Unit 09020201, at Creel Bay pump station on northeast bank of Creel Bay, 2.0 mi southwest of the city of Devils Lake.

DRAINAGE AREA.--3,130 mi<sup>2</sup> of which 1,000 mi<sup>2</sup> probably is noncontributing.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--1867, 1879, 1883, 1887, 1890, 1896 (one gage height for each year), 1901-63 (fragmentary), 1964 to current year.

REVISED RECORDS.--WSP 1913: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,400.00 ft above National Geodetic Vertical Datum of 1929. June 23, 1950, to June 6, 1963, nonrecording gage at site 2 mi south at same datum. June 1963 to March 28, 2005, recording gage at site 2 mi south at same datum. See WSP 1913 for history of changes prior to June 23, 1950. Prior to October 1979 only monthend elevations were published.

REMARKS.--Gage heights are frequently affected by wind.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded, 1,454.61 ft, August 1, 2011, wind aided; maximum daily, 1,454.30 ft, June 27, 2011; minimum observed, 1,400.87 ft, October 24, 1940.

EXTREMES OUTSIDE PERIOD OF RECORD.--The lake level was at an elevation of about 1,441 ft around 1830 and lower thereafter. Reference is Geological Survey monograph, volume XXV, the Glacial History of Lake Agassiz by Warren Upham.

EXTREMES FOR CURRENT YEAR.--Maximum recorded, 1,454.61 ft, August 1, wind aided; maximum daily, 1,454.30 ft, June 27; minimum daily, 1,451.27 ft, October 23 and November 20.

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**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	51.46	51.36	51.36	51.57	51.64	51.66	51.77	53.73	54.17	54.28	54.18	54.00
2	51.46	51.38	51.35	51.55	51.65	51.66	51.76	53.70	54.11	54.28	54.20	53.98
3	51.43	51.40	51.36	51.54	51.64	51.66	51.78	53.71	54.16	54.26	54.18	54.00
4	51.39	51.36	51.38	51.55	51.65	51.66	51.79	53.71	54.14	54.25	54.18	53.94
5	51.39	51.36	51.38	51.55	51.64	51.65	51.79	53.75	54.13	54.24	54.17	53.91
6	51.41	51.34	51.37	51.55	51.65	51.66	51.81	53.78	54.13	54.23	54.23	53.88
7	51.40	51.34	51.38	51.57	51.65	51.67	51.83	53.81	54.11	54.22	54.23	53.89
8	51.40	51.35	51.38	51.56	51.66	51.67	51.87	53.83	54.20	54.19	54.25	53.89
9	51.40	51.35	51.39	51.56	51.65	51.67	51.92	53.85	54.16	54.24	54.22	53.89
10	51.42	51.39	51.38	51.57	51.64	51.67	51.99	53.94	54.13	54.23	54.19	53.88
11	51.42	51.39	51.38	51.58	51.65	51.69	52.04	53.99	54.11	54.21	54.17	53.87
12	51.44	51.33	51.38	51.58	51.64	51.70	52.11	54.00	54.06	54.19	54.17	53.88
13	51.41	51.33	51.38	51.59	51.66	51.69	52.17	54.04	54.08	54.15	54.20	53.85
14	51.39	51.35	51.38	51.60	51.64	51.70	52.23	54.06	54.10	54.11	54.17	53.81
15	51.37	51.34	51.41	51.60	51.65	51.70	52.32	54.05	54.17	54.13	54.15	53.76
16	51.39	51.34	51.48	51.61	51.65	51.69	52.43	54.02	54.16	54.14	54.18	53.69
17	51.34	51.34	51.48	51.62	51.67	51.70	52.51	53.98	54.17	54.19	54.13	53.65
18	51.34	51.30	51.47	51.62	51.66	51.69	52.61	53.98	54.19	54.19	54.13	53.68
19	51.34	51.40	51.47	51.62	51.65	51.69	52.70	54.00	54.17	54.19	54.13	53.68
20	51.33	51.27	51.48	51.62	51.66	51.70	52.79	54.00	54.16	54.24	54.12	53.80
21	51.30	51.36	51.52	51.62	51.66	51.70	52.87	54.04	54.18	54.17	54.09	53.89
22	51.29	51.33	51.51	51.62	51.65	51.72	52.98	54.09	54.27	54.13	54.07	53.86
23	51.27	---	51.52	51.63	51.66	51.77	53.09	54.12	54.28	54.18	54.06	53.82
24	51.28	51.36	51.53	51.63	51.66	51.76	53.17	54.13	54.24	54.18	54.06	53.79
25	51.29	51.38	51.52	51.63	51.66	51.76	53.24	54.12	54.22	54.17	54.02	53.77
26	51.48	51.35	51.52	51.63	51.66	51.76	53.31	54.10	54.28	54.14	54.01	53.76
27	51.51	51.35	51.53	51.63	51.67	51.75	53.38	54.08	54.30	54.20	53.99	53.77
28	51.44	51.35	51.53	51.64	51.66	51.76	53.45	54.09	54.29	54.18	53.97	53.79
29	51.39	51.37	51.53	51.63	---	51.75	53.49	54.08	54.26	54.16	53.97	53.80
30	51.39	51.38	51.56	51.63	---	51.75	53.60	54.12	54.27	54.17	53.95	53.75
31	51.37	---	51.56	51.64	---	51.76	---	54.28	---	54.14	53.93	---
<b>Mean</b>	51.39	---	51.45	51.60	51.65	51.70	52.49	53.97	54.18	54.19	54.12	53.83
<b>Max</b>	51.51	---	51.56	51.64	51.67	51.77	53.60	54.28	54.30	54.28	54.25	54.00
<b>Min</b>	51.27	---	51.35	51.54	51.64	51.65	51.76	53.70	54.06	54.11	53.93	53.65

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