



Water-Data Report 2009

05056636 DEVILS LAKE OUTLET TO STUMP LAKE NEAR LAKOTA, ND

Devils Lake-Sheyenne Basin
Devils Lake Subbasin

LOCATION.--Lat 47°57'55", long 98°31'30" referenced to North American Datum of 1927, in SW ¼ NW ¼ SW ¼ sec.19, T.152 N., R.61 W., Nelson County, ND, Hydrologic Unit 09020201, on north bank, 3 mi upstream of Stump Lake.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--DAILY DISCHARGE--May 1999 to September 2007 (discontinued due to backwater from Stump Lake).

PERIOD OF RECORD.--DAILY GAGE-HEIGHT--October 2000 to September, 2009 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,400.00 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1999, at datum 37.73 ft higher. From May 18, 1999 to April 27, 2006, gage was located at site 2.1 miles downstream. Gage heights between locations are not equivalent.

REMARKS.--Elevation at gage frequently affected by wind. Gage heights for January 28, March 12 and April 12, based on once daily observer readings by USGS personnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded, 51.05 ft, July 9, 2009; maximum daily recorded, 50.96 ft, July 3, 2009, present location; minimum daily, 46.07 ft, December 4, 2006.

EXTREMES FOR CURRENT YEAR.--Maximum recorded, 51.05 ft, July 9; maximum daily recorded, 50.96 ft, July 3, present location; minimum daily, 46.62 ft, October 26.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Discharge, in ft ³ /s	Gage height, in ft
Apr 20, 2009	88.2	48.71
May 20, 2009	472	50.03
Jun 16, 2009	-35.2	50.79

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46.97	46.88	47.09	47.21	---	---	---	49.27	50.52	50.95	50.75	50.54
2	46.97	46.86	47.09	47.20	---	---	---	49.34	50.53	50.95	50.76	50.51
3	46.98	46.87	47.08	47.21	---	---	---	49.39	50.56	50.96	50.72	50.49
4	47.02	46.85	47.08	47.22	---	---	---	49.48	50.55	50.94	50.73	50.49
5	47.04	46.86	47.08	47.22	---	---	---	49.49	50.59	50.95	50.71	50.47
6	46.98	46.97	47.08	47.22	---	---	---	49.52	50.64	50.95	50.71	50.45
7	46.92	47.01	47.09	47.22	---	---	---	49.55	50.65	50.94	50.74	50.45
8	46.84	47.02	47.09	47.22	---	---	---	49.62	50.67	50.93	50.75	50.45
9	46.75	47.08	47.09	---	---	---	---	49.65	50.67	50.92	50.74	50.47
10	46.89	47.10	47.10	---	---	---	---	49.70	50.70	50.88	50.73	50.46
11	46.88	47.10	47.09	---	---	---	---	49.77	50.72	50.92	50.72	50.54
12	46.97	47.11	47.10	---	---	e47.33	e48.12	49.84	50.74	50.92	50.70	50.56
13	46.92	47.09	47.09	---	---	---	---	49.78	50.77	50.90	50.69	50.56
14	46.96	47.08	47.10	---	---	---	---	49.90	50.77	50.89	50.68	50.56
15	46.85	47.10	47.10	---	---	---	48.45	49.92	50.78	50.77	50.70	50.53
16	46.95	47.10	47.10	---	---	---	48.51	49.93	50.78	50.83	50.70	50.52
17	46.96	47.10	47.10	---	---	---	48.56	50.03	50.78	50.87	50.69	50.52
18	46.97	47.13	47.09	---	---	---	48.61	50.06	50.79	50.88	50.70	50.51
19	46.91	47.07	47.09	---	---	---	48.66	50.13	50.77	50.89	50.70	50.50
20	46.93	47.07	47.11	---	---	---	48.70	50.08	50.82	50.84	50.68	50.49
21	47.01	47.09	47.11	---	---	---	48.74	50.09	50.83	50.83	50.70	50.41
22	46.94	47.08	47.11	---	---	---	48.80	50.13	50.80	50.85	50.71	50.44
23	46.93	47.08	47.12	---	---	---	48.83	50.18	50.79	50.84	50.68	50.46
24	46.92	47.08	47.13	---	---	---	48.86	50.23	50.81	50.82	50.65	50.46
25	46.84	47.09	47.14	---	---	---	48.91	50.37	50.82	50.82	50.65	50.46
26	46.62	47.09	47.13	---	---	---	48.97	50.34	50.83	50.83	50.65	50.45
27	46.81	47.09	47.17	---	---	---	49.03	50.40	50.82	50.78	50.62	50.35
28	46.88	47.09	47.18	e47.28	---	---	49.11	50.42	50.85	50.80	50.59	50.36
29	46.89	47.09	47.19	---	---	---	49.20	50.42	50.93	50.79	50.59	50.43
30	46.86	47.09	47.19	---	---	---	49.22	50.48	50.94	50.78	50.57	50.46
31	46.86	---	47.20	---	---	---	---	50.52	---	50.76	50.56	---
Mean	46.91	47.04	47.11	---	---	---	---	49.94	50.74	50.87	50.69	50.48
Max	47.04	47.13	47.20	---	---	---	---	50.52	50.94	50.96	50.76	50.56
Min	46.62	46.85	47.08	---	---	---	---	49.27	50.52	50.76	50.56	50.35

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