

Water-Data Report 2012

05049995 MUD LAKE ABOVE WHITE ROCK DAM NEAR WHITE ROCK, SD

Upper Red Basin
Bois De Sioux Subbasin

LOCATION.--Lat 45°51'41", long 96°34'20" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.34, T.128 N., R.47 W., Roberts County, SD, Hydrologic Unit 09020101, on Sisseton Indian Reservation, on left bank, 10 ft west of White Rock Dam, 4 mi south of White Rock and 5 mi northwest of Wheaton, MN.

DRAINAGE AREA.--

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2000 to current year. Gage height record prior to October 2000 can be obtained from Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 960.00 ft, adjustment of 1912 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good to fair. Lake regulated by Lake Traverse-Boise de Sioux Flood Control and Water Conservation project. Water level subject to fluctuation caused by seiche, and by drawdown from dam gate changes.

EXTREMES FOR PERIOD OF RECORD.---Maximum gage-height, 80.90 ft, Apr. 29, 2001; maximum daily, 80.76 ft, Apr. 19, 2001; minimum gage-height recorded, 65.14 ft, many days, several years (due in part to regulation), stage was observed lower than the detection limits of gage but precise stage readings were not determined; minimum daily recorded, 65.22 ft, June 14, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height, 73.24 ft, Oct. 7; maximum daily, 72.97 ft, Mar. 1; minimum gage-height, 70.90 ft, May 11 (due in part to regulation); minimum daily, 71.40 ft, May 11.

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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	72.78	72.17	72.02	72.59	72.81	72.97	72.22	72.50	71.86	72.27	72.20	71.95
2	72.68	72.15	72.13	72.60	72.81	72.89	71.88	72.48	71.81	72.34	72.17	71.97
3	72.65	72.25	72.11	72.60	72.82	72.83	72.01	72.36	71.82	72.28	72.20	71.87
4	72.57	72.44	72.13	72.61	72.82	72.81	72.18	72.44	71.72	72.27	72.18	71.85
5	72.55	72.38	72.16	72.62	72.83	72.79	72.21	72.46	71.77	72.29	72.16	71.84
6	72.57	72.39	72.26	72.62	72.82	72.76	72.33	72.50	71.78	72.31	72.14	71.81
7	72.64	72.23	72.40	72.62	72.83	72.68	72.26	72.34	71.82	72.35	72.10	71.75
8	72.40	72.19	72.42	72.62	72.84	72.54	72.18	71.60	71.78	72.36	72.12	71.68
9	72.40	72.10	72.42	72.63	72.83	72.71	72.06	71.70	71.92	72.38	72.11	71.78
10	72.56	72.16	72.42	72.63	72.82	72.83	72.01	71.83	71.70	72.38	72.16	71.94
11	72.55	72.20	72.43	72.64	72.84	72.84	72.11	71.40	71.70	72.39	72.18	71.71
12	72.49	72.19	72.44	72.64	72.84	72.68	72.23	71.98	71.65	72.32	72.16	71.71
13	72.44	72.16	72.44	72.65	72.84	72.49	72.17	72.05	71.72	72.26	72.15	71.70
14	72.43	72.21	72.46	72.66	72.84	72.60	72.12	72.05	71.65	72.25	72.15	71.67
15	72.43	72.18	72.47	72.67	72.85	72.86	71.55	71.84	71.63	72.28	72.14	71.72
16	72.37	72.15	72.47	72.67	72.85	72.81	72.24	72.06	71.62	72.26	72.08	71.52
17	72.29	72.10	72.49	72.67	72.85	72.76	72.85	72.14	71.68	72.15	72.11	71.61
18	72.13	72.09	72.50	72.68	72.85	72.78	72.81	72.12	71.73	72.19	72.10	71.68
19	72.13	72.03	72.50	72.68	72.86	72.73	72.94	71.87	71.65	72.20	72.06	71.57
20	72.21	72.05	72.51	72.69	72.86	72.55	72.91	71.74	71.74	72.20	72.07	71.61
21	72.23	72.04	72.52	72.70	72.87	72.50	72.72	71.96	71.82	72.15	72.08	71.48
22	72.27	72.03	72.53	72.71	72.87	72.40	72.49	72.14	71.80	72.20	72.04	71.47
23	72.22	72.01	72.54	72.73	72.87	72.36	72.61	71.95	71.85	72.12	72.03	71.56
24	72.22	72.00	72.54	72.74	72.87	72.12	72.45	71.84	71.77	72.14	72.05	71.59
25	72.19	71.98	72.54	72.75	72.87	---	72.35	71.85	71.89	72.26	72.00	71.50
26	72.21	71.91	72.55	72.77	72.89	---	72.46	71.71	72.01	72.29	71.98	71.52
27	72.24	71.94	72.54	72.77	72.90	---	72.61	71.87	71.98	72.25	71.95	71.55
28	72.23	71.95	72.55	72.78	72.91	---	72.60	71.89	72.07	72.29	71.96	71.53
29	72.25	71.99	72.56	72.78	72.96	---	72.63	71.81	72.15	72.29	71.97	71.52
30	72.21	72.01	72.58	72.79	---	---	72.56	71.79	72.20	72.23	71.87	71.51
31	72.29	---	72.58	72.80	---	72.19	---	71.79	---	72.24	71.91	---
Mean	72.38	72.12	72.43	72.68	72.85	---	72.36	72.00	71.81	72.26	72.08	71.67
Max	72.78	72.44	72.58	72.80	72.96	---	72.94	72.50	72.20	72.39	72.20	71.97
Min	72.13	71.91	72.02	72.59	72.81	---	71.55	71.40	71.62	72.12	71.87	71.47

05049995 MUD LAKE ABOVE WHITE ROCK DAM NEAR WHITE ROCK, SD—Continued

