

481417101174500 SOURIS RIVER AT BROADWAY BRIDGE AT MINOT, ND

Souris Basin
Upper Souris Subbasin

LOCATION.--Lat 48°14'17", long 101°17'45" referenced to North American Datum of 1983, in NE ¼ NE ¼ sec.23, T.155 N., R.83 W., Ward County, ND, Hydrologic Unit 09010001, on upstream side of Broadway bridge in Minot.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March to September (daily gage heights and miscellaneous discharge measurements).

GAGE.--Water stage recorder. Elevation of gage in feet above National Geodetic Vertical Datum of 1929.

REGULATION.--Flow regulated by Lake Darling and other ponds of Fish and Wildlife Service and three Canadian reservoirs (Boundary, Rafferty and Alameda) with combined capacities of about 700,000 acre-ft (490,000 acre-ft in Canada and 210,000 acre-ft in the US). Small diversions for irrigation above station.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,561.66 ft, June 25; minimum daily elevation, 1,540.93 ft, August 31.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Date	Discharge, in ft³/s
May 23, 2011	6,710
May 23, 2011	6,790
Jun 1, 2011	8,480
Jun 1, 2011	8,530
Jun 2, 2011	8,410
Jun 4, 2011	7,590
Jun 14, 2011	8,480
Jun 25, 2011	27,500
Jun 30, 2011	21,200
Jul 6, 2011	12,900
Jul 14, 2011	6,350
Jul 15, 2011	5,790

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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	---	---	---	---	---	---	1,542.38	1,548.16	1,553.78	1,559.50	1,544.74	1,540.99
2	---	---	---	---	---	---	1,542.49	1,547.93	1,553.45	1,558.90	1,544.60	1,541.35
3	---	---	---	---	---	---	1,542.66	1,547.70	1,553.01	1,558.51	1,544.70	1,542.13
4	---	---	---	---	---	---	1,542.80	1,547.63	1,552.32	1,558.02	1,544.82	1,542.52
5	---	---	---	---	---	---	1,542.98	1,547.61	1,552.09	1,557.53	1,544.71	1,542.57
6	---	---	---	---	---	---	1,543.34	1,547.50	1,551.83	1,557.01	1,544.58	1,542.57
7	---	---	---	---	---	---	1,544.09	1,547.36	1,551.54	1,556.16	1,544.48	1,542.55
8	---	---	---	---	---	1,543.28	1,545.05	1,547.25	1,551.41	1,555.42	1,544.39	1,542.54
9	---	---	---	---	---	1,543.28	1,545.29	1,547.24	1,551.40	1,555.08	1,544.36	1,542.53
10	---	---	---	---	---	1,543.27	1,545.74	1,547.68	1,551.98	1,554.73	1,544.30	1,542.52
11	---	---	---	---	---	---	1,546.54	1,548.80	1,553.02	1,554.62	1,544.06	1,542.51
12	---	---	---	---	---	1,543.26	1,547.63	1,549.43	1,553.41	1,554.26	1,543.61	---
13	---	---	---	---	---	---	1,548.45	1,549.73	1,553.44	1,552.64	1,543.06	---
14	---	---	---	---	---	---	1,548.55	1,549.48	1,553.35	1,550.36	1,542.88	1,542.46
15	---	---	---	---	---	---	1,548.06	1,549.32	1,553.25	1,549.52	1,542.87	1,542.40
16	---	---	---	---	---	1,543.15	1,547.58	1,549.17	1,553.10	1,548.98	---	1,542.35
17	---	---	---	---	---	---	1,547.52	1,548.88	1,552.99	1,548.85	1,542.84	1,542.32
18	---	---	---	---	---	---	1,547.87	1,548.88	1,552.92	1,548.83	---	---
19	---	---	---	---	---	---	1,548.16	1,549.08	1,552.94	1,548.72	---	1,542.21
20	---	---	---	---	---	1,543.10	1,548.28	1,549.32	1,553.30	1,548.61	1,542.84	1,542.26
21	---	---	---	---	---	1,543.17	1,548.43	1,549.90	1,554.31	1,548.54	1,542.84	1,541.98
22	---	---	---	---	---	---	1,548.74	1,551.08	1,555.31	1,548.37	1,542.83	1,541.74
23	---	---	---	---	---	---	1,549.09	1,551.73	1,555.68	1,548.12	1,542.71	1,541.69
24	---	---	---	---	---	1,542.46	1,549.32	1,551.41	1,558.37	1,547.45	1,542.59	1,541.67
25	---	---	---	---	---	1,542.36	1,549.45	1,550.72	1,561.48	1,546.93	1,542.64	1,541.67
26	---	---	---	---	---	1,542.33	1,549.46	1,550.30	1,561.53	1,546.81	1,542.54	1,541.67
27	---	---	---	---	---	1,542.29	1,549.27	1,550.45	1,561.12	1,547.01	1,541.77	1,541.68
28	---	---	---	---	---	1,542.27	1,548.97	1,550.72	1,560.50	1,546.88	1,541.22	---
29	---	---	---	---	---	1,542.32	1,548.64	1,550.98	1,560.08	1,546.66	1,541.04	---
30	---	---	---	---	---	1,542.32	1,548.34	1,551.65	1,559.91	1,545.98	1,540.97	---
31	---	---	---	---	---	1,542.34	---	1,553.38	---	1,545.17	1,540.93	---
Mean	---	---	---	---	---	1,542.75	1,546.84	1,549.37	1,554.76	1,551.42	1,543.21	1,542.12
Max	---	---	---	---	---	1,543.28	1,549.46	1,553.38	1,561.53	1,559.50	1,544.82	1,542.57
Min	---	---	---	---	---	1,542.27	1,542.38	1,547.24	1,551.40	1,545.17	1,540.93	1,540.99

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