05115500 LAKE DARLING NEAR FOXHOLM, ND

Souris Basin
Upper Souris Subbasin

LOCATION.--Lat 48°27′29″, long 101°35′00″ referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.1, T.157 N., R.85 W., Ward County, ND, Hydrologic Unit 09010001, on embankment of Lake Darling Dam, reservoir of Fish and Wildlife Service, on Souris River about 6 mi north of Foxholm, and at mile 430.0.

DRAINAGE AREA.--9,450 mi² of which 6,200 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1936 to current year (no winter records 1936-39).

REVISED RECORDS.--WSP 1338: 1942. WSP 2113: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929. April 1936 to August 8, 1963, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by earth dam; storage began in April 1936; dam completed in July 1936. Usable capacity, 118,600 acre-ft between elevation of 1,577 ft, sill of control gages, and 1,598 ft, legal full-capacity level. Flood-emergency maximum level is 1,601 ft (148,600 acre-ft). Dead storage below sill at control gages is 144 acre-ft. Figures given herein represent total contents based on capacity table dated April 12, 1995 (provided by U.S. Fish and Wildlife Service). Water is used during periods of low flow at wildlife refuges downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 148,450 acre-ft, June 1, 2011, elevation, 1600.99 ft; maximum elevation, 1601.30 ft, June 1, 2011 (wind aided); minimum observed since April 1943 when reservoir was first filled to spillway level, 31,200 acre-ft, February 18 and 25, 1963, elevation, 1587.04 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 117,650 acre-ft, July 25, elevation, 1,597.90 ft (wind aided); minimum daily contents, 62,130 acre-ft, April 23, elevation, 1,591.91 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

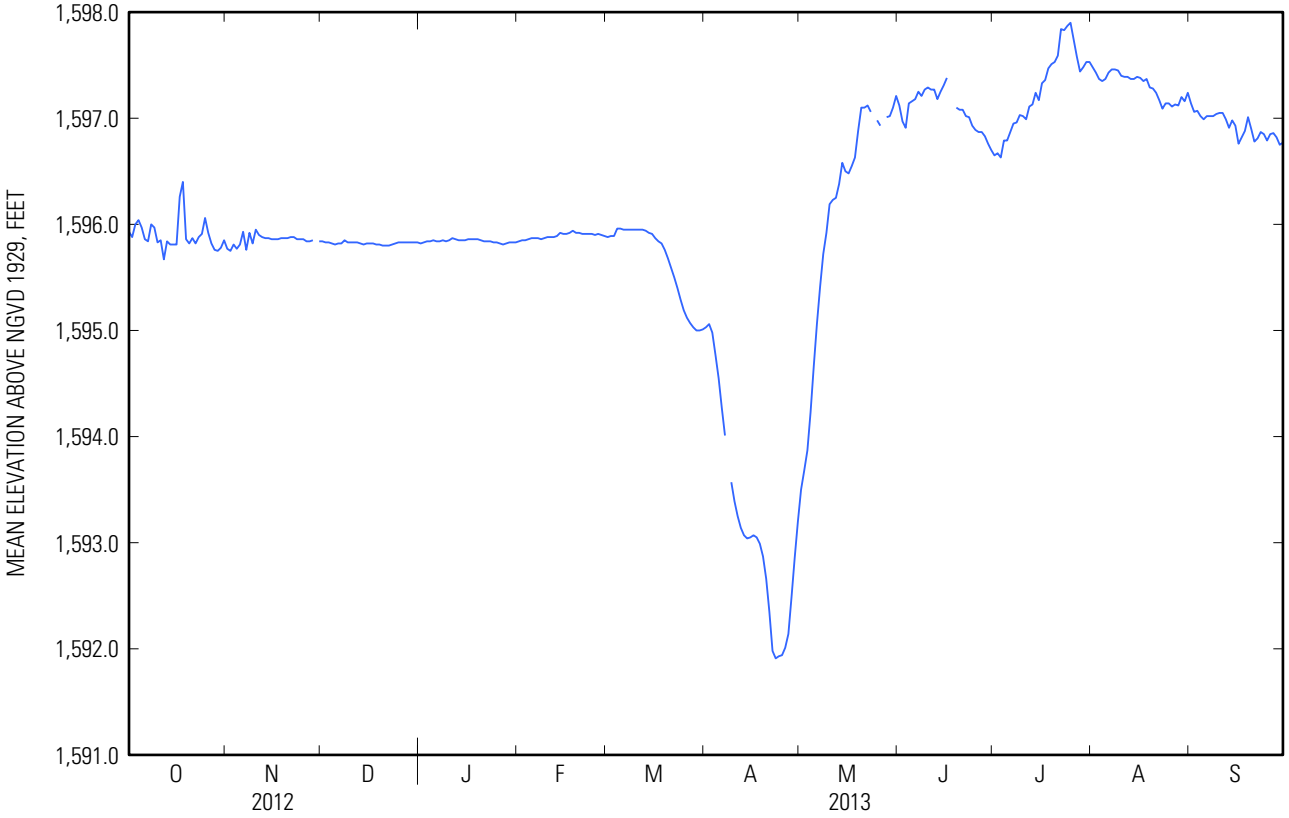
Date	Elevation, in ft	Contents, in acre-ft	Change in contents
Sep. 30	1,596.00	99,320	
Oct. 31	1,595.85	97,900	-1,420
Nov. 30	1,595.86	97,990	+90
Dec. 31	1,595.82	97,610	-380
CAL YR 2012	-------	-------	+7,050
Jan. 31	1,595.81	97,520	-90
Feb. 28	1,595.89	98,280	+760
Mar. 31	1,595.02	90,090	-8,190
Apr. 30	1,593.34	74,660	-15,430
May 31	1,597.12	110,050	+35,390
June 30	1,596.68	105,810	-4,240
July 31	1,597.46	113,350	+7,540
Aug. 31	1,597.14	110,250	-3,100
Sep. 30	1,596.77	106,680	-3,570
WTR YR 2013	-------	-------	+7,360

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,595.93	1,595.77	1,595.84	1,595.82	1,595.84	1,595.88	1,595.03	1,593.50	1,597.12	1,596.65	1,597.48	1,597.14
2	1,595.88	1,595.75	1,595.83	1,595.83	1,595.85	1,595.89	1,595.06	1,593.68	1,596.97	1,596.67	1,597.43	1,597.06
3	1,596.00	1,595.81	1,595.83	1,595.84	1,595.85	1,595.89	1,594.98	1,593.87	1,596.91	1,596.63	1,597.37	1,597.07
4	1,596.04	1,595.77	1,595.82	1,595.84	1,595.86	1,595.96	1,594.77	1,594.23	1,597.14	1,596.79	1,597.35	1,597.02
5	1,595.97	1,595.81	1,595.81	1,595.85	1,595.87	1,595.96	1,594.55	1,594.66	1,597.16	1,596.79	1,597.37	1,596.99
6	1,595.86	1,595.93	1,595.82	1,595.84	1,595.87	1,595.95	1,594.27	1,595.06	1,597.18	1,596.87	1,597.43	1,597.02
7	1,595.84	1,595.76	1,595.82	1,595.84	1,595.87	1,595.95	1,594.01	1,595.41	1,597.25	1,596.95	1,597.46	1,597.02
8	1,596.00	1,595.92	1,595.85	1,595.85	1,595.86	1,595.95	---	1,595.72	1,597.21	1,596.96	1,597.46	1,597.02
9	1,595.97	1,595.82	1,595.83	1,595.84	1,595.87	1,595.95	1,593.57	1,595.92	1,597.27	1,597.03	1,597.45	1,597.04
10	1,595.83	1,595.95	1,595.83	1,595.85	1,595.88	1,595.95	1,593.39	1,596.19	1,597.29	1,597.02	1,597.40	1,597.05
11	1,595.85	1,595.90	1,595.83	1,595.87	1,595.88	1,595.95	1,593.25	1,596.23	1,597.27	1,596.99	1,597.39	1,597.05
12	1,595.67	1,595.88	1,595.83	1,595.86	1,595.88	1,595.95	1,593.14	1,596.25	1,597.27	1,597.11	1,597.39	1,596.99
13	1,595.84	1,595.87	1,595.82	1,595.85	1,595.89	1,595.94	1,593.07	1,596.38	1,597.18	1,597.13	1,597.37	1,596.91
14	1,595.81	1,595.87	1,595.81	1,595.85	1,595.92	1,595.92	1,593.04	1,596.58	1,597.25	1,597.24	1,597.37	1,596.98
15	1,595.81	1,595.86	1,595.82	1,595.85	1,595.91	1,595.91	1,593.05	1,596.50	1,597.31	1,597.17	1,597.39	1,596.93
16	1,595.81	1,595.86	1,595.82	1,595.86	1,595.91	1,595.87	1,593.07	1,596.48	1,597.38	1,597.33	1,597.38	1,596.76
17	1,596.26	1,595.86	1,595.82	1,595.86	1,595.92	1,595.84	1,593.05	1,596.55	---	1,597.36	1,597.35	1,596.82
18	1,596.40	1,595.87	1,595.81	1,595.86	1,595.94	1,595.82	1,592.99	1,596.63	---	1,597.47	1,597.37	1,596.88
19	1,595.86	1,595.87	1,595.81	1,595.86	1,595.92	1,595.76	1,592.87	1,596.88	1,597.10	1,597.51	1,597.29	1,597.01
20	1,595.82	1,595.87	1,595.80	1,595.85	1,595.92	1,595.68	1,592.66	1,597.10	1,597.08	1,597.53	1,597.28	1,596.90
21	1,595.87	1,595.88	1,595.80	1,595.84	1,595.91	1,595.59	1,592.35	1,597.10	1,597.08	1,597.59	1,597.24	1,596.78
22	1,595.82	1,595.88	1,595.80	1,595.84	1,595.91	1,595.50	1,591.98	1,597.12	1,597.02	1,597.84	1,597.17	1,596.81
23	1,595.88	1,595.86	1,595.81	1,595.84	1,595.91	1,595.40	1,591.91	1,597.06	1,597.01	1,597.83	1,597.09	1,596.87
24	1,595.91	1,595.86	1,595.82	1,595.83	1,595.91	1,595.29	1,591.93	---	1,596.93	1,597.87	1,597.14	1,596.85
25	1,596.06	1,595.86	1,595.83	1,595.83	1,595.90	1,595.19	1,591.94	1,596.98	1,596.89	1,597.90	1,597.14	1,596.79
26	1,595.92	1,595.84	1,595.83	1,595.82	1,595.91	1,595.12	1,592.01	1,596.93	1,596.87	1,597.74	1,597.11	1,596.85
27	1,595.82	1,595.84	1,595.83	1,595.81	1,595.90	1,595.07	1,592.14	---	1,596.87	1,597.58	1,597.13	1,596.86
28	1,595.76	1,595.85	1,595.83	1,595.82	1,595.89	1,595.03	1,592.49	1,597.01	1,596.83	1,597.44	1,597.12	1,596.82
29	1,595.75	---	1,595.83	1,595.83	---	1,595.00	1,592.86	1,597.02	1,596.76	1,597.48	1,597.20	1,596.75
30	1,595.78	1,595.84	1,595.83	1,595.83	---	1,595.00	1,593.20	1,597.10	1,596.70	1,597.53	1,597.16	1,596.77
31	1,595.85	---	1,595.83	1,595.83	---	1,595.01	---	1,597.21	---	1,597.53	1,597.24	---
Mean	1,595.90	---	1,595.82	1,595.84	1,595.89	1,595.65	---	---	---	1,597.28	1,597.31	1,596.93
Max	1,596.40	---	1,595.85	1,595.87	1,595.94	1,595.96	---	---	---	1,597.90	1,597.48	1,597.14
Min	1,595.67	---	1,595.80	1,595.81	1,595.84	1,595.00	---	---	---	1,596.63	1,597.09	1,596.75

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued



05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1993 to current year.

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)
10-10-2012	**1044**	718	--	--	--	8.5	--	--	913	7.3
10-10-2012	**1045**	718	--	--	--	8.4	--	--	915	7.3
10-10-2012	**1046**	718	6.8	--	--	8.5	8.6	927	915	7.3
10-10-2012	**1047**	718	--	--	--	8.4	--	--	916	7.3
10-10-2012	**1048**	718	--	--	--	8.5	--	--	916	7.3
10-10-2012	**1049**	718	--	--	--	8.5	--	--	916	7.3
10-10-2012	**1050**	718	--	--	--	8.5	--	--	916	7.3
10-10-2012	**1051**	718	--	--	--	8.5	--	--	915	7.3
10-10-2012	**1052**	718	--	--	--	8.5	--	--	916	7.3
10-10-2012	**1053**	718	6.8	--	--	8.5	8.6	925	916	7.3
10-10-2012	**1054**	718	--	--	--	8.5	--	--	916	7.3
10-10-2012	**1055**	718	--	--	--	8.5	--	--	916	7.3
10-10-2012	**1110**	718	--	--	--	--	--	--	--	--
02-25-2013	**1312**	715	--	12.5	93	8.2	--	--	1,120	.8
02-25-2013	**1313**	715	--	12.5	95	8.1	--	--	1,120	1.5
02-25-2013	**1314**	715	.0	12.6	97	8.1	8.3	1,110	1,110	2.0
02-25-2013	**1315**	715	--	12.6	99	8.1	--	--	1,100	2.8
02-25-2013	**1316**	715	--	12.6	101	8.0	--	--	1,110	3.4
02-25-2013	**1317**	715	--	12.6	102	7.9	--	--	1,130	3.9
02-25-2013	**1318**	715	--	12.6	103	7.8	--	--	1,150	4.1
02-25-2013	**1319**	715	.0	12.6	105	7.6	8.0	1,330	1,290	5.0
02-25-2013	**1320**	715	--	12.6	103	7.7	--	--	1,160	4.2
02-25-2013	**1321**	715	--	12.6	105	7.6	--	--	1,240	4.8
02-25-2013	**1322**	715	--	12.6	106	7.6	--	--	1,320	5.1
02-25-2013	**1323**	715	--	12.6	106	7.6	--	--	1,340	5.2
05-29-2013	**1241**	713	--	9.0	94	8.4	--	--	654	14.3
05-29-2013	**1242**	713	--	8.8	92	8.3	--	--	652	14.1
05-29-2013	**1243**	713	17.9	8.8	92	8.3	8.4	646	653	14.2
05-29-2013	**1244**	713	--	8.7	90	8.3	--	--	648	13.8
05-29-2013	**1245**	713	--	8.6	89	8.3	--	--	648	13.8
05-29-2013	**1246**	713	--	8.5	88	8.2	--	--	649	13.8
05-29-2013	**1247**	713	--	8.4	87	8.2	--	--	650	13.8
05-29-2013	**1248**	713	--	8.1	83	8.1	--	--	653	13.7
05-29-2013	**1249**	713	--	8.0	82	8.1	--	--	653	13.7
05-29-2013	**1250**	713	17.9	7.5	77	8.0	8.3	654	657	13.6
05-29-2013	**1251**	713	--	7.1	73	8.0	--	--	660	13.5
05-29-2013	**1252**	713	--	6.3	64	7.9	--	--	664	13.2
05-29-2013	**1330**	713	--	--	--	--	--	--	--	--
07-30-2013	**1223**	722	--	12.0	141	8.8	--	--	961	20.7
07-30-2013	**1224**	722	--	12.2	144	8.8	--	--	965	20.8

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 2 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Transparency, water, in situ, Secchi disc, inches (00077)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Sampling depth, ft (00003)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constituents, mg/L (70301)	Hardness, water, mg/L as $CaCO_3$ (00900)	Suspended solids, water, unfiltered, mg/L (00530)	Calcium, water, filtered, mg/L (00915)
10-10-2012	1044	--	1.9	0.00	--	--	--	--	--
10-10-2012	1045	--	1.9	2.00	--	--	--	--	--
10-10-2012	1046	86.0	1.7	4.00	614	584	326	< 15	61.1
10-10-2012	1047	--	1.9	6.00	--	--	--	--	--
10-10-2012	1048	--	2.0	8.00	--	--	--	--	--
10-10-2012	1049	--	1.8	10.0	--	--	--	--	--
10-10-2012	1050	--	1.5	12.0	--	--	--	--	--
10-10-2012	1051	--	1.7	14.0	--	--	--	--	--
10-10-2012	1052	--	1.4	16.0	--	--	--	--	--
10-10-2012	1053	--	1.3	18.0	629	592	327	< 15	61.6
10-10-2012	1054	--	2.2	20.0	--	--	--	--	--
10-10-2012	1055	--	--	22.0	--	--	--	--	--
10-10-2012	1110	--	--	3.20	--	--	--	--	--
02-25-2013	1312	--	34	2.00	--	--	--	--	--
02-25-2013	1313	--	34	3.00	--	--	--	--	--
02-25-2013	1314	--	34	4.00	747	717	390	< 15	72.3
02-25-2013	1315	--	34	5.00	--	--	--	--	--
02-25-2013	1316	--	34	6.00	--	--	--	--	--
02-25-2013	1317	--	34	7.00	--	--	--	--	--
02-25-2013	1318	--	35	8.00	--	--	--	--	--
02-25-2013	1319	--	36	11.0	914	876	469	< 15	81.4
02-25-2013	1320	--	35	9.00	--	--	--	--	--
02-25-2013	1321	--	35	10.0	--	--	--	--	--
02-25-2013	1322	--	37	12.0	--	--	--	--	--
02-25-2013	1323	--	38	13.0	--	--	--	--	--
05-29-2013	1241	--	1.0	2.00	--	--	--	--	--
05-29-2013	1242	--	1.2	4.00	--	--	--	--	--
05-29-2013	1243	85.0	1.2	6.00	420	394	219	< 15	42.0
05-29-2013	1244	--	1.2	8.00	--	--	--	--	--
05-29-2013	1245	--	1.2	10.0	--	--	--	--	--
05-29-2013	1246	--	1.3	12.0	--	--	--	--	--
05-29-2013	1247	--	1.4	14.0	--	--	--	--	--
05-29-2013	1248	--	1.6	16.0	--	--	--	--	--
05-29-2013	1249	--	1.7	18.0	--	--	--	--	--
05-29-2013	1250	--	1.9	20.0	423	392	220	< 15	41.9
05-29-2013	1251	--	2.0	22.0	--	--	--	--	--
05-29-2013	1252	--	32	24.0	--	--	--	--	--
05-29-2013	1330	--	--	3.50	--	--	--	--	--
07-30-2013	1223	--	28	.00	--	--	--	--	--
07-30-2013	1224	--	32	2.00	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 3 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Magne-sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium adsorption ratio, water, number (00931)	Sodium fraction of cations, water, percent in equiva-lents of major cations (00932)	Sodium, water, filtered, mg/L (00930)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as $CaCO_3$ (90410)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)
10-10-2012	1044	--	--	--	--	--	--	--	--
10-10-2012	1045	--	--	--	--	--	--	--	--
10-10-2012	1046	42.1	15.9	1.94	34	80.7	270 @c	251	290
10-10-2012	1047	--	--	--	--	--	--	--	--
10-10-2012	1048	--	--	--	--	--	--	--	--
10-10-2012	1049	--	--	--	--	--	--	--	--
10-10-2012	1050	--	--	--	--	--	--	--	--
10-10-2012	1051	--	--	--	--	--	--	--	--
10-10-2012	1052	--	--	--	--	--	--	--	--
10-10-2012	1053	42.1	15.4	1.99	34	82.7	270 @c	263	304
10-10-2012	1054	--	--	--	--	--	--	--	--
10-10-2012	1055	--	--	--	--	--	--	--	--
10-10-2012	1110	--	--	--	--	--	--	--	--
02-25-2013	1312	--	--	--	--	--	--	--	--
02-25-2013	1313	--	--	--	--	--	--	--	--
02-25-2013	1314	50.8	17.7	2.04	33	92.7	321 @c	315	374
02-25-2013	1315	--	--	--	--	--	--	--	--
02-25-2013	1316	--	--	--	--	--	--	--	--
02-25-2013	1317	--	--	--	--	--	--	--	--
02-25-2013	1318	--	--	--	--	--	--	--	--
02-25-2013	1319	64.5	17.4	2.26	33	112	359 @c	355	430
02-25-2013	1320	--	--	--	--	--	--	--	--
02-25-2013	1321	--	--	--	--	--	--	--	--
02-25-2013	1322	--	--	--	--	--	--	--	--
02-25-2013	1323	--	--	--	--	--	--	--	--
05-29-2013	1241	--	--	--	--	--	--	--	--
05-29-2013	1242	--	--	--	--	--	--	--	--
05-29-2013	1243	27.7	10.8	1.42	31	48.3	176 @c	171	205
05-29-2013	1244	--	--	--	--	--	--	--	--
05-29-2013	1245	--	--	--	--	--	--	--	--
05-29-2013	1246	--	--	--	--	--	--	--	--
05-29-2013	1247	--	--	--	--	--	--	--	--
05-29-2013	1248	--	--	--	--	--	--	--	--
05-29-2013	1249	--	--	--	--	--	--	--	--
05-29-2013	1250	28.0	11.3	1.39	31	47.3	177 @c	167	200
05-29-2013	1251	--	--	--	--	--	--	--	--
05-29-2013	1252	--	--	--	--	--	--	--	--
05-29-2013	1330	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

07-30-2013	**1223**	--	--	--	--	--	--	--	--
07-30-2013	**1224**	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 4 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Sulfate, water, filtered, mg/L (00945)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Organic nitrogen, water, unfiltered, mg/L (00605)
10-10-2012	1044	--	--	--	--	--	--	--	--
10-10-2012	1045	--	--	--	--	--	--	--	--
10-10-2012	1046	7.8	22.4	.14	212	.92	.013 n	.043 n	.91
10-10-2012	1047	--	--	--	--	--	--	--	--
10-10-2012	1048	--	--	--	--	--	--	--	--
10-10-2012	1049	--	--	--	--	--	--	--	--
10-10-2012	1050	--	--	--	--	--	--	--	--
10-10-2012	1051	--	--	--	--	--	--	--	--
10-10-2012	1052	--	--	--	--	--	--	--	--
10-10-2012	1053	8.2	22.2	.13	210	.86	.014 n	.043 n	.85
10-10-2012	1054	--	--	--	--	--	--	--	--
10-10-2012	1055	--	--	--	--	--	--	--	--
10-10-2012	1110	--	--	--	--	--	--	--	--
02-25-2013	1312	--	--	--	--	--	--	--	--
02-25-2013	1313	--	--	--	--	--	--	--	--
02-25-2013	1314	4.6	27.1 d	.16	267 d	1.1	.072	.213	1.0
02-25-2013	1315	--	--	--	--	--	--	--	--
02-25-2013	1316	--	--	--	--	--	--	--	--
02-25-2013	1317	--	--	--	--	--	--	--	--
02-25-2013	1318	--	--	--	--	--	--	--	--
02-25-2013	1319	1.1	31.9 d	.15	355 d	1.5	.251	.098	1.2
02-25-2013	1320	--	--	--	--	--	--	--	--
02-25-2013	1321	--	--	--	--	--	--	--	--
02-25-2013	1322	--	--	--	--	--	--	--	--
02-25-2013	1323	--	--	--	--	--	--	--	--
05-29-2013	1241	--	--	--	--	--	--	--	--
05-29-2013	1242	--	--	--	--	--	--	--	--
05-29-2013	1243	1.5	10.6 d	.16 dc	152 d	.78	< .010	< .040	< .78
05-29-2013	1244	--	--	--	--	--	--	--	--
05-29-2013	1245	--	--	--	--	--	--	--	--
05-29-2013	1246	--	--	--	--	--	--	--	--
05-29-2013	1247	--	--	--	--	--	--	--	--
05-29-2013	1248	--	--	--	--	--	--	--	--
05-29-2013	1249	--	--	--	--	--	--	--	--
05-29-2013	1250	1.7	10.5 d	.16 dc	152 d	.81	.019 n	< .040	.79
05-29-2013	1251	--	--	--	--	--	--	--	--
05-29-2013	1252	--	--	--	--	--	--	--	--
05-29-2013	1330	--	--	--	--	--	--	--	--
07-30-2013	1223	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

07-30-2013	**1224**	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 5 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Chlorophyll a, phytoplankton, chromatographic-fluorometric method, µg/L (70953)	Pheophytin a, phytoplankton, µg/L (62360)	Aluminum, water, unfiltered, recoverable, µg/L (01105)	Barium, water, unfiltered, recoverable, µg/L (01007)	Beryllium, water, unfiltered, recoverable, µg/L (01012)	Cadmium, water, unfiltered, µg/L (01027)	Chromium, water, unfiltered, recoverable, µg/L (01034)	Cobalt, water, unfiltered, recoverable, µg/L (01037)
10-10-2012	1044	--	--	--	--	--	--	--	--	--
10-10-2012	1045	--	--	--	--	--	--	--	--	--
10-10-2012	1046	.22	--	--	33.5	83.1	< .02	< .016	< .30	.20
10-10-2012	1047	--	--	--	--	--	--	--	--	--
10-10-2012	1048	--	--	--	--	--	--	--	--	--
10-10-2012	1049	--	--	--	--	--	--	--	--	--
10-10-2012	1050	--	--	--	--	--	--	--	--	--
10-10-2012	1051	--	--	--	--	--	--	--	--	--
10-10-2012	1052	--	--	--	--	--	--	--	--	--
10-10-2012	1053	.22	--	--	36.0	83.5	< .02	< .016	< .30	.20
10-10-2012	1054	--	--	--	--	--	--	--	--	--
10-10-2012	1055	--	--	--	--	--	--	--	--	--
10-10-2012	1110	--	E 3.4 b	E 1.0 b	--	--	--	--	--	--
02-25-2013	1312	--	--	--	--	--	--	--	--	--
02-25-2013	1313	--	--	--	--	--	--	--	--	--
02-25-2013	1314	.26	--	--	12.1	102	.03 n	.017 n	< .30	.20
02-25-2013	1315	--	--	--	--	--	--	--	--	--
02-25-2013	1316	--	--	--	--	--	--	--	--	--
02-25-2013	1317	--	--	--	--	--	--	--	--	--
02-25-2013	1318	--	--	--	--	--	--	--	--	--
02-25-2013	1319	.25	--	--	16.7	118	.03 n	.024 n	< .30	.33
02-25-2013	1320	--	--	--	--	--	--	--	--	--
02-25-2013	1321	--	--	--	--	--	--	--	--	--
02-25-2013	1322	--	--	--	--	--	--	--	--	--
02-25-2013	1323	--	--	--	--	--	--	--	--	--
05-29-2013	1241	--	--	--	--	--	--	--	--	--
05-29-2013	1242	--	--	--	--	--	--	--	--	--
05-29-2013	1243	.07	--	--	19.1	55.5	< .02	.016 n	< .30	.23
05-29-2013	1244	--	--	--	--	--	--	--	--	--
05-29-2013	1245	--	--	--	--	--	--	--	--	--
05-29-2013	1246	--	--	--	--	--	--	--	--	--
05-29-2013	1247	--	--	--	--	--	--	--	--	--
05-29-2013	1248	--	--	--	--	--	--	--	--	--
05-29-2013	1249	--	--	--	--	--	--	--	--	--
05-29-2013	1250	.09	--	--	32.3	56.9	< .02	< .016	< .30	.30
05-29-2013	1251	--	--	--	--	--	--	--	--	--
05-29-2013	1252	--	--	--	--	--	--	--	--	--
05-29-2013	1330	--	1.6 *b	1.4 *b	--	--	--	--	--	--
07-30-2013	1223	--	--	--	--	--	--	--	--	--
07-30-2013	1224	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 6 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, unfiltered, recoverable, µg/L (01051)	Mercury, water, unfiltered, recoverable, µg/L (71900)	Molybdenum, water, unfiltered, recoverable, µg/L (01062)	Nickel, water, unfiltered, recoverable, µg/L (01067)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Arsenic, water, unfiltered, µg/L (01002)	Boron, water, unfiltered, recoverable, micrograms per liter (01022)
10-10-2012	1044	--	--	--	--	--	--	--	--	--
10-10-2012	1045	--	--	--	--	--	--	--	--	--
10-10-2012	1046	2.2	58.0	.05 n	< .005	3.83	2.4	< 3.0	6.1	117
10-10-2012	1047	--	--	--	--	--	--	--	--	--
10-10-2012	1048	--	--	--	--	--	--	--	--	--
10-10-2012	1049	--	--	--	--	--	--	--	--	--
10-10-2012	1050	--	--	--	--	--	--	--	--	--
10-10-2012	1051	--	--	--	--	--	--	--	--	--
10-10-2012	1052	--	--	--	--	--	--	--	--	--
10-10-2012	1053	2.0	94.7	.06 n	< .005	3.80	2.6	< 3.0	6.4	118
10-10-2012	1054	--	--	--	--	--	--	--	--	--
10-10-2012	1055	--	--	--	--	--	--	--	--	--
10-10-2012	1110	--	--	--	--	--	--	--	--	--
02-25-2013	1312	--	--	--	--	--	--	--	--	--
02-25-2013	1313	--	--	--	--	--	--	--	--	--
02-25-2013	1314	2.1	8.9 n	< .04	< .005	4.51	2.9	< 3.0	6.9	157
02-25-2013	1315	--	--	--	--	--	--	--	--	--
02-25-2013	1316	--	--	--	--	--	--	--	--	--
02-25-2013	1317	--	--	--	--	--	--	--	--	--
02-25-2013	1318	--	--	--	--	--	--	--	--	--
02-25-2013	1319	1.9	33.8	< .04	< .005	4.78	3.6	< 3.0	6.1	154
02-25-2013	1320	--	--	--	--	--	--	--	--	--
02-25-2013	1321	--	--	--	--	--	--	--	--	--
02-25-2013	1322	--	--	--	--	--	--	--	--	--
02-25-2013	1323	--	--	--	--	--	--	--	--	--
05-29-2013	1241	--	--	--	--	--	--	--	--	--
05-29-2013	1242	--	--	--	--	--	--	--	--	--
05-29-2013	1243	1.1 n	42.9	< .04	< .005	4.16	2.8	< 3.0	3.3	93
05-29-2013	1244	--	--	--	--	--	--	--	--	--
05-29-2013	1245	--	--	--	--	--	--	--	--	--
05-29-2013	1246	--	--	--	--	--	--	--	--	--
05-29-2013	1247	--	--	--	--	--	--	--	--	--
05-29-2013	1248	--	--	--	--	--	--	--	--	--
05-29-2013	1249	--	--	--	--	--	--	--	--	--
05-29-2013	1250	1.4	64.7	.04 n	< .005	4.20	2.4	< 3.0	3.2	91
05-29-2013	1251	--	--	--	--	--	--	--	--	--
05-29-2013	1252	--	--	--	--	--	--	--	--	--
05-29-2013	1330	--	--	--	--	--	--	--	--	--
07-30-2013	1223	--	--	--	--	--	--	--	--	--
07-30-2013	1224	--	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 7 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Selenium, water, unfiltered, µg/L (01147)	Organic carbon, water, unfiltered, mg/L (00680)
10-10-2012	1044	--	--
10-10-2012	1045	--	--
10-10-2012	1046	.346	11.5
10-10-2012	1047	--	--
10-10-2012	1048	--	--
10-10-2012	1049	--	--
10-10-2012	1050	--	--
10-10-2012	1051	--	--
10-10-2012	1052	--	--
10-10-2012	1053	.396	10.8
10-10-2012	1054	--	--
10-10-2012	1055	--	--
10-10-2012	1110	--	--
02-25-2013	1312	--	--
02-25-2013	1313	--	--
02-25-2013	1314	.384	14.9
02-25-2013	1315	--	--
02-25-2013	1316	--	--
02-25-2013	1317	--	--
02-25-2013	1318	--	--
02-25-2013	1319	.327	18.2
02-25-2013	1320	--	--
02-25-2013	1321	--	--
02-25-2013	1322	--	--
02-25-2013	1323	--	--
05-29-2013	1241	--	--
05-29-2013	1242	--	--
05-29-2013	1243	.467	7.9
05-29-2013	1244	--	--
05-29-2013	1245	--	--
05-29-2013	1246	--	--
05-29-2013	1247	--	--
05-29-2013	1248	--	--
05-29-2013	1249	--	--
05-29-2013	1250	.500	8.1
05-29-2013	1251	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

05-29-2013	**1252**	--	--
05-29-2013	**1330**	--	--
07-30-2013	**1223**	--	--
07-30-2013	**1224**	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 8 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Tempera-ture, air, °C (00020)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conduc-tance, water, unfiltered, laboratory, µS/cm at 25°C (90095)	Specific conduc-tance, water, unfiltered, µS/cm at 25°C (00095)	Tempera-ture, water, °C (00010)
07-30-2013	**1225**	722	17.5	12.3	145	8.8	8.7	961	966	20.8
07-30-2013	**1226**	722	--	12.3	145	8.8	--	--	937	20.7
07-30-2013	**1227**	722	--	12.1	143	8.8	--	--	967	20.7
07-30-2013	**1228**	722	--	10.9	128	8.8	--	--	969	20.6
07-30-2013	**1229**	722	--	9.2	108	8.8	--	--	970	20.4
07-30-2013	**1230**	722	--	9.1	106	8.7	--	--	971	20.3
07-30-2013	**1231**	722	17.5	9.0	105	8.7	8.7	956	972	20.3
07-30-2013	**1232**	722	--	8.2	96	8.7	--	--	973	20.3
07-30-2013	**1233**	722	--	7.3	85	8.6	--	--	978	20.1
07-30-2013	**1315**	722	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

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[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Transparency, water, in situ, Secchi disc, inches (00077)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Sampling depth, ft (00003)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constituents, mg/L (70301)	Hardness, water, mg/L as $CaCO_3$ (00900)	Suspended solids, water, unfiltered, mg/L (00530)	Calcium, water, filtered, mg/L (00915)
07-30-2013	**1225**	24.0	30	4.00	650	634	317	31	61.8
07-30-2013	**1226**	--	28	6.00	--	--	--	--	--
07-30-2013	**1227**	--	23	8.00	--	--	--	--	--
07-30-2013	**1228**	--	10	10.0	--	--	--	--	--
07-30-2013	**1229**	--	7.4	12.0	--	--	--	--	--
07-30-2013	**1230**	--	6.2	14.0	--	--	--	--	--
07-30-2013	**1231**	--	6.5	16.0	656	637	316	< 15	61.8
07-30-2013	**1232**	--	7.0	18.0	--	--	--	--	--
07-30-2013	**1233**	--	--	19.0	--	--	--	--	--
07-30-2013	**1315**	--	--	1.00	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 10 of 14

[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Magne-sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium adsorption ratio, water, number (00931)	Sodium fraction of cations, water, percent in equiva-lents of major cations (00932)	Sodium, water, filtered, mg/L (00930)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as $CaCO_3$ (90410)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)
07-30-2013	**1225**	39.5	14.8	2.25	37	92.1	220 @c	206	232
07-30-2013	**1226**	--	--	--	--	--	--	--	--
07-30-2013	**1227**	--	--	--	--	--	--	--	--
07-30-2013	**1228**	--	--	--	--	--	--	--	--
07-30-2013	**1229**	--	--	--	--	--	--	--	--
07-30-2013	**1230**	--	--	--	--	--	--	--	--
07-30-2013	**1231**	39.2	14.7	2.36	39	96.5	217 @c	208	236
07-30-2013	**1232**	--	--	--	--	--	--	--	--
07-30-2013	**1233**	--	--	--	--	--	--	--	--
07-30-2013	**1315**	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Sulfate, water, filtered, mg/L (00945)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Organic nitrogen, water, unfiltered, mg/L (00605)
07-30-2013	**1225**	9.3	13.9 d	0.22 d	288 d	2.3	0.013 n	< .040	2.2
07-30-2013	**1226**	--	--	--	--	--	--	--	--
07-30-2013	**1227**	--	--	--	--	--	--	--	--
07-30-2013	**1228**	--	--	--	--	--	--	--	--
07-30-2013	**1229**	--	--	--	--	--	--	--	--
07-30-2013	**1230**	--	--	--	--	--	--	--	--
07-30-2013	**1231**	8.8	13.9 d	.20 d	286 d	1.2	.029	< .040	1.1
07-30-2013	**1232**	--	--	--	--	--	--	--	--
07-30-2013	**1233**	--	--	--	--	--	--	--	--
07-30-2013	**1315**	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
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[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Chlorophyll a, phytoplankton, chromatographic-fluorometric method, µg/L (70953)	Pheophytin a, phytoplankton, µg/L (62360)	Aluminum, water, unfiltered, recoverable, µg/L (01105)	Barium, water, unfiltered, recoverable, µg/L (01007)	Beryllium, water, unfiltered, recoverable, µg/L (01012)	Cadmium, water, unfiltered, µg/L (01027)	Chromium, water, unfiltered, recoverable, µg/L (01034)	Cobalt, water, unfiltered, recoverable, µg/L (01037)
07-30-2013	1225	0.29	--	--	16.7	68.1	< .02	0.023 n	< .30	0.29
07-30-2013	1226	--	--	--	--	--	--	--	--	--
07-30-2013	1227	--	--	--	--	--	--	--	--	--
07-30-2013	1228	--	--	--	--	--	--	--	--	--
07-30-2013	1229	--	--	--	--	--	--	--	--	--
07-30-2013	1230	--	--	--	--	--	--	--	--	--
07-30-2013	1231	.20	--	--	45.6	68.1	< .02	.019 n	< .30	.27
07-30-2013	1232	--	--	--	--	--	--	--	--	--
07-30-2013	1233	--	--	--	--	--	--	--	--	--
07-30-2013	1315	--	166 d	13.2 bd	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
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[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Copper, water, unfiltered, recoverable, µg/L (01042)	Iron, water, unfiltered, recoverable, µg/L (01045)	Lead, water, unfiltered, recoverable, µg/L (01051)	Mercury, water, unfiltered, recoverable, µg/L (71900)	Molybdenum, water, unfiltered, recoverable, µg/L (01062)	Nickel, water, unfiltered, recoverable, µg/L (01067)	Zinc, water, unfiltered, recoverable, µg/L (01092)	Arsenic, water, unfiltered, µg/L (01002)	Boron, water, unfiltered, recoverable, micrograms per liter (01022)
07-30-2013	1225	1.6	67.1	0.07 n	< .005	7.49	2.8	< 3.0	6.1	130
07-30-2013	1226	--	--	--	--	--	--	--	--	--
07-30-2013	1227	--	--	--	--	--	--	--	--	--
07-30-2013	1228	--	--	--	--	--	--	--	--	--
07-30-2013	1229	--	--	--	--	--	--	--	--	--
07-30-2013	1230	--	--	--	--	--	--	--	--	--
07-30-2013	1231	1.4	149	.11	< .005	7.15	2.7	< 3.0	6.6	129
07-30-2013	1232	--	--	--	--	--	--	--	--	--
07-30-2013	1233	--	--	--	--	--	--	--	--	--
07-30-2013	1315	--	--	--	--	--	--	--	--	--

05115500 LAKE DARLING NEAR FOXHOLM, ND—Continued

WATER-QUALITY DATA
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[%, percent; ANC, acid neutralizing capacity; $CaCO_3$, calcium carbonate; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated; *, sample was warm when received; @, holding time exceeded; b, value extrapolated at low end; c, see result laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL]

Date	Sample start time	Selenium, water, unfiltered, µg/L (01147)	Organic carbon, water, unfiltered, mg/L (00680)
07-30-2013	**1225**	0.672	14.4
07-30-2013	**1226**	--	--
07-30-2013	**1227**	--	--
07-30-2013	**1228**	--	--
07-30-2013	**1229**	--	--
07-30-2013	**1230**	--	--
07-30-2013	**1231**	.748	13.3
07-30-2013	**1232**	--	--
07-30-2013	**1233**	--	--
07-30-2013	**1315**	--	--