

Water-Data Report 2013

410333095530101 Missouri River near La Platte, Nebr.

Missouri-Little Sioux Basin
Big Papillion-Mosquito Subbasin

LOCATION.--Lat 41°03'33.67", long 95°53'01.21" referenced to North American Datum of 1983, in sec.31, T.13 N., R.14 E., Sarpy County, NE, Hydrologic Unit 10230006, 0.25 mi above confluence with Platte River, and 1.5 mi southeast of La Platte.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April to September 2013.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April to September 2013.

SPECIFIC CONDUCTANCE: April to September 2013.

pH: April to September 2013.

DISSOLVED OXYGEN: April to September 2013.

TURBIDITY: April to September 2013.

INSTRUMENTATION.--Annual deployment of a continuous water-quality monitor. Measured parameters include water temperature, specific conductance, pH, dissolved oxygen, and turbidity. Turbidity measurements conform to ISO 7027 standards and were made using a Yellow Springs International (YSI) 6136 sensor. Dissolved oxygen measurements were collected using a luminescent sensor.

REMARKS.--The dissolved oxygen and pH records were rated as excellent. The water temperature, specific conductance, and turbidity records were rated as good.

EXTREMES FOR PERIOD OF DAILY RECORD.--These extremes may have been exceeded during non-measured portions of the record.

WATER TEMPERATURE: Maximum, 29.2°C, August 30 and 31, 2013; minimum, 5.6°C, April 13, 2013.

SPECIFIC CONDUCTANCE: Maximum, 869 µS/cm, July 20 and 21, 2013; minimum, 416 µS/cm, May 30, 2013.

DISSOLVED OXYGEN: Maximum, 12.3 mg/L, April 25 and 29, 2013; minimum, 5.2 mg/L, May 29, 2013.

pH: Maximum, 8.5 standard units, April 30 and May 1, 2013; minimum, 7.6 standard units, May 29-31, 2013.

TURBIDITY: Maximum, >1,190 FNU, May 29-30, 2013; minimum, 8.8 FNU, August 29, 2013.

EXTREMES FOR CURRENT YEAR.--These extremes may have been exceeded during non-measured portions of the record.

WATER TEMPERATURE: Maximum, 29.2°C, August 30 and 31; minimum, 5.6°C, April 13.

SPECIFIC CONDUCTANCE: Maximum, 869 µS/cm, July 20 and 21; minimum, 416 µS/cm, May 30.

DISSOLVED OXYGEN: Maximum, 12.3 mg/L, April 25 and 29; minimum, 5.2 mg/L, May 29.

pH: Maximum, 8.5 standard units, April 30 and May 1; minimum, 7.6 standard units, May 29-31.

TURBIDITY: Maximum, >1,190 FNU, May 29-30; minimum, 8.8 FNU, August 29.

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DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
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24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

410333095530101 Missouri River near La Platte, Nebr.—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	11.4	10.0	10.5
2	---	---	---	---	---	---	---	---	---	11.0	9.9	10.5
3	---	---	---	---	---	---	---	---	---	10.9	10.6	10.8
4	---	---	---	---	---	---	---	---	---	11.1	10.8	11.0
5	---	---	---	---	---	---	---	---	---	11.1	10.9	11.0
6	---	---	---	---	---	---	---	---	---	11.0	10.8	10.9
7	---	---	---	---	---	---	---	---	---	10.9	10.6	10.8
8	---	---	---	---	---	---	---	---	---	10.7	10.2	10.4
9	---	---	---	---	---	---	---	---	---	10.2	8.8	9.4
10	---	---	---	---	---	---	---	---	---	9.5	9.3	9.4
11	---	---	---	---	---	---	---	---	---	10.0	9.3	9.7
12	---	---	---	---	---	---	---	---	---	10.3	9.6	10
13	---	---	---	---	---	---	11.7	11.5	11.6	10.3	9.9	10.1
14	---	---	---	---	---	---	11.6	11.3	11.4	10.3	9.8	10.0
15	---	---	---	---	---	---	11.3	11.2	11.2	10.2	9.5	9.9
16	---	---	---	---	---	---	11.2	11.1	11.2	10.2	9.4	9.8
17	---	---	---	---	---	---	11.2	11.0	11.1	10.1	9.2	9.7
18	---	---	---	---	---	---	11.5	11.0	11.3	9.4	5.4	6.6
19	---	---	---	---	---	---	11.8	11.5	11.7	7.5	6.4	7.1
20	---	---	---	---	---	---	12.1	11.8	11.9	8.4	7.5	8.0
21	---	---	---	---	---	---	12.1	11.9	12.0	7.6	7.0	7.2
22	---	---	---	---	---	---	11.9	10.8	11.2	8.4	7.6	8.0
23	---	---	---	---	---	---	11.6	10.8	11.3	9.2	8.4	8.8
24	---	---	---	---	---	---	12.1	11.6	11.8	9.4	9.1	9.2
25	---	---	---	---	---	---	12.3	11.8	12.1	9.2	9.0	9.1
26	---	---	---	---	---	---	12.2	11.9	12.0	9.2	8.3	8.9
27	---	---	---	---	---	---	12.1	11.6	11.8	8.4	7.2	7.9
28	---	---	---	---	---	---	12.2	11.3	11.7	8.4	6.0	7.2
29	---	---	---	---	---	---	12.3	11.1	11.7	6.0	5.2	5.4
30	---	---	---	---	---	---	12.1	10.8	11.4	6.4	5.3	6.0
31	---	---	---	---	---	---	---	---	---	6.6	6.3	6.4
Month	---	---	---	---	---	---	---	---	---	11.4	5.2	9.0

410333095530101 Missouri River near La Platte, Nebr.—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	7.0	6.6	6.7	7.5	7.2	7.3	8.1	7.7	7.9	7.3	5.3	6.4
2	7.5	7.0	7.2	7.4	7.3	7.4	8.1	7.7	7.9	7.1	6.4	6.7
3	7.9	7.5	7.7	7.4	7.3	7.3	8.3	7.7	8.0	7.1	6.4	6.7
4	8.0	7.9	8.0	7.5	7.3	7.4	8.2	7.8	8.0	6.9	6.5	6.7
5	8.0	7.9	8.0	7.6	7.3	7.4	8.4	8.0	8.1	6.8	6.1	6.5
6	8.1	8.0	8.0	7.6	7.2	7.4	8.2	7.5	7.9	7.2	6.4	6.7
7	8.3	8.0	8.2	7.7	7.3	7.5	8.3	7.4	7.9	7.2	6.5	6.9
8	8.3	7.5	8.1	7.6	7.3	7.4	8.2	7.9	8.0	7.5	6.9	7.2
9	8.0	7.5	7.8	7.3	7.0	7.2	8.9	7.7	8.3	8.0	7.0	7.5
10	8.1	8.0	8.1	7.2	6.9	7.1	8.9	8.0	8.4	8.0	7.4	7.7
11	8.2	8.1	8.1	7.3	6.8	7.0	9.2	8.0	8.6	7.8	6.4	7.3
12	8.2	7.7	7.9	7.6	7.0	7.2	9.6	8.1	8.8	7.8	7.2	7.5
13	7.7	7.1	7.3	7.8	7.1	7.4	9.5	8.3	8.9	8.1	7.4	7.7
14	7.5	7.2	7.3	8.0	7.2	7.6	9.1	8.2	8.6	8.1	7.6	7.8
15	7.6	6.4	7.1	7.9	7.4	7.7	8.6	7.2	7.9	7.9	7.4	7.7
16	7.5	7.3	7.5	7.9	7.3	7.6	8.1	7.4	7.7	8.2	7.7	7.9
17	7.3	7.0	7.3	8.0	7.4	7.7	8.5	7.8	8.2	8.2	7.8	8.0
18	7.0	6.8	6.9	7.9	7.4	7.6	9.0	8.2	8.6	8.2	7.9	8.1
19	7.2	6.8	6.9	7.8	7.3	7.5	9.0	8.3	8.7	8.2	7.9	8.1
20	7.4	7.2	7.3	7.8	7.2	7.5	9.1	8.2	8.6	8.5	7.9	8.2
21	7.3	7.2	7.3	7.6	7.1	7.4	8.3	7.6	8.0	8.7	8.2	8.4
22	7.4	7.1	7.2	7.7	6.8	7.2	8.1	6.8	7.4	9.1	8.4	8.7
23	7.3	6.7	7.1	7.6	7.0	7.3	7.0	6.5	6.7	9.2	8.7	9.0
24	7.2	6.7	7.0	7.7	7.1	7.4	7.1	6.2	6.5	9.0	8.7	8.9
25	7.3	6.9	7.2	7.6	7.2	7.4	7.2	6.4	6.8	9.1	8.6	8.8
26	7.4	7.2	7.3	8.0	7.2	7.6	7.1	6.3	6.7	9.0	8.6	8.9
27	7.2	6.5	6.9	8.0	7.4	7.8	7.5	6.4	7.0	8.9	8.5	8.7
28	6.8	6.5	6.7	8.3	7.5	7.9	7.8	7.1	7.4	8.8	8.2	8.5
29	7.0	6.8	6.9	8.1	7.7	7.8	7.2	6.8	7.0	9.2	8.6	8.9
30	7.2	7.0	7.1	7.8	7.6	7.7	7.2	6.6	6.9	9.2	8.7	9.0
31	---	---	---	7.9	7.4	7.6	6.6	6.3	6.5	---	---	---
Month	8.3	6.4	7.4	8.3	6.8	7.5	9.6	6.2	7.8	9.2	5.3	7.8

410333095530101 Missouri River near La Platte, Nebr.—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

410333095530101 Missouri River near La Platte, Nebr.—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	823	773	809
2	---	---	---	---	---	---	---	---	---	784	725	757
3	---	---	---	---	---	---	---	---	---	773	760	767
4	---	---	---	---	---	---	---	---	---	771	762	766
5	---	---	---	---	---	---	---	---	---	780	765	772
6	---	---	---	---	---	---	---	---	---	784	777	780
7	---	---	---	---	---	---	---	---	---	788	778	782
8	---	---	---	---	---	---	---	---	---	786	778	783
9	---	---	---	---	---	---	---	---	---	783	676	740
10	---	---	---	---	---	---	---	---	---	798	781	793
11	---	---	---	---	---	---	---	---	---	805	793	798
12	---	---	---	---	---	---	---	---	---	809	798	802
13	---	---	---	---	---	---	815	803	809	824	809	815
14	---	---	---	---	---	---	---	---	---	842	821	828
15	---	---	---	---	---	---	---	---	---	837	830	834
16	---	---	---	---	---	---	800	793	797	843	834	838
17	---	---	---	---	---	---	793	733	766	845	837	842
18	---	---	---	---	---	---	773	711	738	846	781	807
19	---	---	---	---	---	---	797	773	791	825	760	797
20	---	---	---	---	---	---	796	787	792	831	802	818
21	---	---	---	---	---	---	805	795	799	821	797	806
22	---	---	---	---	---	---	801	679	730	832	821	827
23	---	---	---	---	---	---	796	671	758	835	826	831
24	---	---	---	---	---	---	802	789	795	838	830	834
25	---	---	---	---	---	---	803	794	798	836	813	824
26	---	---	---	---	---	---	801	791	796	820	809	814
27	---	---	---	---	---	---	801	795	798	809	636	744
28	---	---	---	---	---	---	797	774	784	792	665	733
29	---	---	---	---	---	---	774	761	766	665	466	543
30	---	---	---	---	---	---	790	752	771	482	416	443
31	---	---	---	---	---	---	---	---	---	543	482	516
Month	---	---	---	---	---	---	---	---	---	846	416	769

410333095530101 Missouri River near La Platte, Nebr.—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	622	543	581	807	797	801	849	840	844	831	755	803
2	695	622	657	807	802	805	846	835	841	816	804	811
3	763	695	728	809	798	803	849	836	842	830	805	815
4	796	763	783	810	803	807	849	838	843	832	825	829
5	829	786	807	811	804	808	839	830	835	831	820	827
6	849	829	838	807	794	799	839	821	832	835	824	828
7	863	849	855	812	797	803	839	818	826	846	829	838
8	861	751	839	816	807	811	837	824	829	846	838	842
9	798	714	753	823	811	817	839	828	834	848	837	843
10	792	762	779	825	817	819	840	829	833	853	847	850
11	794	787	790	843	819	828	833	818	823	852	748	809
12	793	777	786	858	841	851	829	807	819	852	839	847
13	781	774	777	864	853	858	---	---	---	851	844	848
14	777	767	772	863	852	858	---	---	---	848	842	846
15	796	638	741	868	856	862	828	735	790	844	797	826
16	805	796	800	867	861	864	807	786	796	838	829	834
17	813	800	808	868	859	864	819	804	810	835	811	829
18	800	769	783	868	862	865	830	813	820	842	831	837
19	803	766	779	868	860	864	833	821	827	839	815	833
20	833	803	821	869	862	865	832	812	823	837	816	827
21	843	833	837	869	859	863	822	813	817	862	830	844
22	845	838	842	862	849	855	819	813	816	855	841	848
23	845	791	825	860	844	853	816	807	812	850	838	844
24	830	737	799	868	857	861	807	793	799	850	843	847
25	821	785	812	863	854	858	797	786	791	857	844	850
26	830	819	824	856	842	850	796	792	794	856	843	850
27	828	811	824	849	831	839	812	790	799	851	840	844
28	811	798	802	844	830	837	813	801	808	847	799	828
29	799	788	793	838	823	828	815	800	807	847	827	838
30	798	792	794	842	821	830	827	811	816	849	836	842
31	---	---	---	848	834	840	829	816	821	---	---	---
Month	863	543	788	869	794	838	---	---	---	862	748	835

410333095530101 Missouri River near La Platte, Nebr.—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

410333095530101 Missouri River near La Platte, Nebr.—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	70	26	31
2	---	---	---	---	---	---	---	---	---	84	36	49
3	---	---	---	---	---	---	---	---	---	37	30	32
4	---	---	---	---	---	---	---	---	---	33	30	31
5	---	---	---	---	---	---	---	---	---	31	27	29
6	---	---	---	---	---	---	---	---	---	29	27	28
7	---	---	---	---	---	---	---	---	---	32	28	29
8	---	---	---	---	---	---	---	---	---	33	26	29
9	---	---	---	---	---	---	---	---	---	250	26	100
10	---	---	---	---	---	---	---	---	---	67	31	44
11	---	---	---	---	---	---	---	---	---	39	29	32
12	---	---	---	---	---	---	---	---	---	35	29	31
13	---	---	---	---	---	---	62	44	52	37	26	29
14	---	---	---	---	---	---	57	36	40	36	25	29
15	---	---	---	---	---	---	38	35	36	33	25	27
16	---	---	---	---	---	---	43	36	39	33	24	27
17	---	---	---	---	---	---	120	35	57	35	23	25
18	---	---	---	---	---	---	110	42	69	1,130	35	670
19	---	---	---	---	---	---	42	34	36	320	83	190
20	---	---	---	---	---	---	43	35	37	190	46	64
21	---	---	---	---	---	---	47	35	37	540	190	430
22	---	---	---	---	---	---	160	35	120	290	73	140
23	---	---	---	---	---	---	150	54	86	73	37	53
24	---	---	---	---	---	---	87	41	51	51	33	42
25	---	---	---	---	---	---	48	34	39	52	36	43
26	---	---	---	---	---	---	40	28	33	290	39	72
27	---	---	---	---	---	---	32	28	30	500	140	320
28	---	---	---	---	---	---	34	28	30	970	130	600
29	---	---	---	---	---	---	31	27	29	1,190	970	1,150
30	---	---	---	---	---	---	32	26	29	1,190	750	1,050
31	---	---	---	---	---	---	---	---	---	750	510	660
Month	---	---	---	---	---	---	---	---	---	1,190	23	200

410333095530101 Missouri River near La Platte, Nebr.—Continued

**TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	700	450	520	62	47	55	---	---	---	24	15	17
2	710	310	480	49	45	47	---	---	---	17	10	13
3	350	250	290	---	---	---	---	---	---	18	12	15
4	400	240	290	---	---	---	---	---	---	19	15	18
5	---	---	---	---	---	---	---	---	---	19	13	16
6	480	150	330	---	---	---	40	27	32	20	13	16
7	150	98	120	---	---	---	57	34	42	19	12	15
8	210	99	130	---	---	---	38	32	35	30	14	18
9	440	160	240	---	---	---	32	30	31	34	23	28
10	170	100	140	---	---	---	34	28	31	29	25	26
11	120	86	100	---	---	---	35	28	32	120	26	48
12	170	94	140	---	---	---	31	23	28	32	27	29
13	180	120	150	---	---	---	28	21	24	30	24	27
14	120	85	100	---	---	---	28	24	26	28	24	26
15	420	85	180	---	---	---	160	25	65	40	22	27
16	140	87	110	44	38	41	57	33	45	23	21	22
17	220	100	130	46	39	42	44	30	37	26	20	23
18	270	210	240	52	39	44	39	28	34	29	25	27
19	240	120	170	49	41	44	32	24	30	31	25	28
20	120	81	98	47	41	43	32	24	29	28	24	26
21	100	80	88	48	41	45	32	25	28	28	25	27
22	98	66	76	56	40	47	27	24	26	30	27	28
23	180	60	88	49	38	43	29	24	26	31	26	28
24	260	59	110	66	43	50	28	25	26	28	25	26
25	130	59	86	83	43	66	26	21	24	28	24	27
26	70	56	61	100	44	74	25	19	21	30	24	27
27	110	70	90	86	59	71	21	16	18	30	25	28
28	84	74	79	---	---	---	18	12	15	33	24	27
29	74	62	68	---	---	---	12	8.8	11	26	23	24
30	65	58	61	---	---	---	22	9.9	18	24	22	23
31	---	---	---	---	---	---	22	14	17	---	---	---
Month	---	---	---	---	---	---	---	---	---	120	10	24

410333095530101 Missouri River near La Platte, Nebr.—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

410333095530101 Missouri River near La Platte, Nebr.—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	16.2	13.1	14.8
2	---	---	---	---	---	---	---	---	---	13.1	10.9	11.4
3	---	---	---	---	---	---	---	---	---	11.2	10.5	11.0
4	---	---	---	---	---	---	---	---	---	10.5	9.4	9.7
5	---	---	---	---	---	---	---	---	---	9.8	9.3	9.5
6	---	---	---	---	---	---	---	---	---	11.4	9.8	10.5
7	---	---	---	---	---	---	---	---	---	13.1	11.4	12.2
8	---	---	---	---	---	---	---	---	---	14.0	13.1	13.5
9	---	---	---	---	---	---	---	---	---	15.0	14.0	14.5
10	---	---	---	---	---	---	---	---	---	15.9	14.7	15.2
11	---	---	---	---	---	---	---	---	---	15.7	15.0	15.4
12	---	---	---	---	---	---	---	---	---	15.5	14.8	15.2
13	---	---	---	---	---	---	6.3	5.6	6.0	16.1	14.9	15.5
14	---	---	---	---	---	---	7.6	6.3	7.0	17.6	16.0	16.7
15	---	---	---	---	---	---	8.0	7.4	7.6	18.8	17.5	18.1
16	---	---	---	---	---	---	8.5	7.7	8.0	20.0	18.6	19.3
17	---	---	---	---	---	---	8.2	7.8	8.1	21.2	19.7	20.4
18	---	---	---	---	---	---	7.8	6.7	7.2	21.2	20.3	20.8
19	---	---	---	---	---	---	6.8	6.0	6.5	21.2	20.7	21.0
20	---	---	---	---	---	---	6.6	6.1	6.4	20.8	20.1	20.5
21	---	---	---	---	---	---	7.4	6.1	6.7	20.4	19.7	20.1
22	---	---	---	---	---	---	8.3	7.4	8.1	19.7	18.3	19.0
23	---	---	---	---	---	---	8.1	7.0	7.5	18.5	17.6	18.1
24	---	---	---	---	---	---	7.9	6.7	7.3	18.4	17.8	18.1
25	---	---	---	---	---	---	8.8	7.4	8.0	18.1	17.5	17.9
26	---	---	---	---	---	---	10.1	8.6	9.2	18.6	18.0	18.3
27	---	---	---	---	---	---	12.0	10.0	10.9	18.8	18.1	18.4
28	---	---	---	---	---	---	13.6	11.8	12.6	18.7	18.0	18.4
29	---	---	---	---	---	---	15.3	13.6	14.4	18.6	17.2	17.6
30	---	---	---	---	---	---	16.4	15.2	15.8	18.3	17.5	17.8
31	---	---	---	---	---	---	---	---	---	19.2	18.3	18.8
Month	---	---	---	---	---	---	---	---	---	21.2	9.3	16.4

410333095530101 Missouri River near La Platte, Nebr.—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	19.2	18.8	19.1	25.3	24.8	25.1	24.2	23.8	24.0	29.0	28.3	28.7
2	18.8	18.4	18.6	25.3	24.8	25.0	24.5	23.6	24.0	28.6	28.0	28.3
3	19.0	18.4	18.7	25.4	24.7	25.1	25.2	24.5	24.8	28.0	27.4	27.7
4	18.8	18.5	18.6	25.6	25.0	25.3	25.0	23.9	24.5	27.4	26.7	26.9
5	19.3	18.6	18.9	25.4	25.1	25.2	23.9	23.5	23.7	26.7	26.4	26.5
6	19.9	19.2	19.6	25.5	24.8	25.1	24.4	23.4	23.8	26.4	26.1	26.2
7	20.1	19.5	19.8	25.8	25.1	25.5	25.3	23.9	24.5	26.5	26.0	26.3
8	19.9	18.6	19.2	26.6	25.8	26.1	25.7	25.1	25.3	26.6	26.2	26.4
9	18.8	18.3	18.5	27.8	26.6	27.1	26.0	25.2	25.6	27.0	26.2	26.6
10	18.9	18.2	18.5	28.4	27.8	28.1	25.8	25.0	25.4	27.0	26.6	26.8
11	19.2	18.8	18.9	28.3	27.8	28.1	25.7	24.9	25.3	27.1	26.3	26.8
12	20.9	19.2	19.9	28.1	27.5	27.8	26.1	25.1	25.6	27.0	26.6	26.9
13	21.8	20.9	21.4	27.5	26.7	27.1	25.8	25.2	25.5	26.6	25.7	26.1
14	22.1	21.7	21.8	27.0	26.5	26.8	25.3	24.8	25.0	25.7	24.8	25.1
15	22.1	21.8	21.9	27.2	26.4	26.8	24.8	23.3	23.9	24.8	23.5	24.1
16	22.9	21.8	22.2	27.9	26.9	27.4	23.6	23.0	23.3	23.5	22.4	23.0
17	23.7	22.9	23.3	28.4	27.6	28.0	23.5	22.8	23.2	22.4	21.6	21.8
18	23.6	23.3	23.4	28.6	27.6	28.1	23.3	22.6	23.0	22.3	21.6	21.9
19	24.1	23.3	23.7	28.9	28.2	28.5	24.1	23.0	23.5	22.4	22.1	22.3
20	25.1	24.0	24.5	28.8	28.1	28.4	25.1	23.9	24.5	22.1	21.3	21.6
21	25.9	25.1	25.5	28.9	28.1	28.5	26.1	24.9	25.4	22.0	21.4	21.7
22	26.1	25.7	25.9	28.8	28.1	28.4	26.7	25.9	26.2	21.8	20.3	21.1
23	25.8	24.9	25.3	28.6	27.5	28.0	27.1	26.3	26.7	20.3	19.4	19.7
24	25.0	24.3	24.7	28.0	27.2	27.6	27.0	26.6	26.7	20.1	19.5	19.8
25	24.7	24.2	24.5	27.7	27.0	27.5	27.2	26.3	26.8	20.5	19.9	20.2
26	25.9	24.7	25.4	27.0	26.4	26.7	27.4	26.8	27.1	20.6	20.0	20.3
27	25.8	25.4	25.6	26.4	25.7	26.0	27.5	26.8	27.2	21.3	20.6	20.9
28	26.2	25.4	25.8	25.8	25.0	25.4	28.1	27.3	27.7	21.2	20.5	20.9
29	26.1	25.6	25.9	25.0	23.4	24.1	28.6	27.9	28.2	20.5	20.0	20.2
30	25.6	25.2	25.5	23.6	23.2	23.4	29.2	28.3	28.7	20.0	19.5	19.7
31	---	---	---	24.4	23.4	23.9	29.2	29.0	29.1	---	---	---
Month	26.2	18.2	22.2	28.9	23.2	26.6	29.2	22.6	25.4	29.0	19.4	23.8

410333095530101 Missouri River near La Platte, Nebr.—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

410333095530101 Missouri River near La Platte, Nebr.—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	8.5	8.4	8.4
2	---	---	---	---	---	---	---	---	---	8.4	8.3	8.3
3	---	---	---	---	---	---	---	---	---	8.4	8.3	8.3
4	---	---	---	---	---	---	---	---	---	8.3	8.3	8.3
5	---	---	---	---	---	---	---	---	---	8.3	8.2	8.3
6	---	---	---	---	---	---	---	---	---	8.3	8.2	8.2
7	---	---	---	---	---	---	---	---	---	8.3	8.2	8.2
8	---	---	---	---	---	---	---	---	---	8.2	8.2	8.2
9	---	---	---	---	---	---	---	---	---	8.2	8.1	8.2
10	---	---	---	---	---	---	---	---	---	8.3	8.2	8.3
11	---	---	---	---	---	---	---	---	---	8.3	8.2	8.3
12	---	---	---	---	---	---	---	---	---	8.4	8.3	8.3
13	---	---	---	---	---	---	8.2	8.1	8.1	8.4	8.3	8.3
14	---	---	---	---	---	---	8.1	8.1	8.1	8.4	8.3	8.3
15	---	---	---	---	---	---	8.1	8.0	8.1	8.4	8.4	8.4
16	---	---	---	---	---	---	8.1	8.0	8.1	8.4	8.4	8.4
17	---	---	---	---	---	---	8.1	8.0	8.0	8.4	8.4	8.4
18	---	---	---	---	---	---	8.1	8.0	8.0	8.4	7.8	8.0
19	---	---	---	---	---	---	8.1	8.1	8.1	8.2	8.0	8.1
20	---	---	---	---	---	---	8.1	8.1	8.1	8.3	8.2	8.3
21	---	---	---	---	---	---	8.1	8.1	8.1	8.2	8.0	8.0
22	---	---	---	---	---	---	8.1	8.0	8.0	8.2	8.0	8.1
23	---	---	---	---	---	---	8.1	8.0	8.0	8.3	8.2	8.2
24	---	---	---	---	---	---	8.1	8.1	8.1	8.4	8.3	8.3
25	---	---	---	---	---	---	8.2	8.1	8.1	8.3	8.2	8.3
26	---	---	---	---	---	---	8.2	8.1	8.2	8.3	8.2	8.3
27	---	---	---	---	---	---	8.3	8.2	8.2	8.2	8.0	8.1
28	---	---	---	---	---	---	8.4	8.2	8.3	8.2	7.7	7.9
29	---	---	---	---	---	---	8.4	8.3	8.4	7.7	7.6	7.6
30	---	---	---	---	---	---	8.5	8.4	8.4	7.6	7.6	7.6
31	---	---	---	---	---	---	---	---	---	7.7	7.6	7.6
Max	---	---	---	---	---	---	---	---	---	8.5	8.4	8.4
Min	---	---	---	---	---	---	---	---	---	7.6	7.6	7.6

410333095530101 Missouri River near La Platte, Nebr.—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.7	7.7	7.7	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.1	8.2
2	7.8	7.7	7.8	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2	8.2
3	7.9	7.8	7.9	8.2	8.2	8.2	8.3	8.2	8.3	8.2	8.2	8.2
4	8.0	7.9	8.0	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.2
5	8.0	7.9	8.0	8.2	8.2	8.2	8.4	8.3	8.3	8.2	8.2	8.2
6	8.0	8.0	8.0	8.2	8.2	8.2	8.3	8.2	8.3	8.2	8.2	8.2
7	8.1	8.0	8.1	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.2
8	8.1	8.0	8.1	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.2
9	8.0	8.0	8.0	8.2	8.2	8.2	8.4	8.3	8.3	8.3	8.2	8.2
10	8.1	8.0	8.1	8.2	8.2	8.2	8.4	8.3	8.3	8.3	8.3	8.3
11	8.1	8.1	8.1	8.2	8.2	8.2	8.4	8.3	8.4	8.3	8.1	8.2
12	8.1	8.0	8.0	8.3	8.2	8.2	8.4	8.4	8.4	8.3	8.2	8.2
13	8.0	8.0	8.0	8.3	8.2	8.3	8.4	8.3	8.4	8.3	8.2	8.2
14	8.1	8.0	8.0	8.3	8.3	8.3	8.4	8.3	8.4	8.3	8.2	8.3
15	8.1	8.0	8.0	8.3	8.3	8.3	8.4	8.2	8.3	8.3	8.2	8.2
16	8.1	8.0	8.1	8.3	8.2	8.3	8.3	8.2	8.2	8.3	8.2	8.3
17	8.1	8.0	8.1	8.3	8.2	8.3	8.3	8.2	8.2	8.3	8.2	8.2
18	8.0	8.0	8.0	8.3	8.2	8.3	8.3	8.2	8.3	8.2	8.2	8.2
19	8.1	8.0	8.0	8.3	8.3	8.3	8.4	8.3	8.3	8.2	8.1	8.2
20	8.2	8.1	8.1	8.3	8.3	8.3	8.4	8.3	8.4	8.2	8.1	8.2
21	8.2	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.2	8.2	8.2
22	8.2	8.2	8.2	8.3	8.2	8.3	8.4	8.4	8.4	8.3	8.2	8.2
23	8.2	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.3	8.2	8.2
24	8.2	8.1	8.2	8.3	8.2	8.3	8.4	8.3	8.4	8.3	8.2	8.2
25	8.2	8.1	8.2	8.3	8.3	8.3	8.4	8.3	8.4	8.3	8.2	8.2
26	8.2	8.2	8.2	8.3	8.2	8.3	8.4	8.3	8.3	8.3	8.2	8.2
27	8.2	8.1	8.2	8.3	8.3	8.3	8.4	8.3	8.3	8.2	8.2	8.2
28	8.1	8.1	8.1	8.3	8.3	8.3	8.4	8.3	8.3	8.2	8.1	8.2
29	8.2	8.1	8.1	8.3	8.3	8.3	8.4	8.2	8.2	8.3	8.2	8.2
30	8.2	8.1	8.2	8.3	8.2	8.3	8.4	8.2	8.3	8.3	8.2	8.2
31	---	---	---	8.3	8.2	8.2	8.2	8.2	8.2	---	---	---
Max	8.2	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.3	8.3	8.3
Min	7.7	7.7	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.1	8.2