

Water-Data Report 2006

04136500 AU SABLE RIVER AT MIO, MI

Northwestern Lake Huron Basin
Au Sable Subbasin

LOCATION.--Lat 44°39'36", long 84°07'52" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.12, T.26 N., R.2 E., Oscoda County, MI, Hydrologic Unit 04070007, on right bank 150 ft upstream from bridge on State Highway 33 in Mio, 500 ft downstream from Mio Dam, 9.5 mi downstream from Big Creek, and 73.0 mi upstream from mouth.

DRAINAGE AREA.--1,361 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1952 to current year.

REVISED RECORDS.--WDR MI-96-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 929.60 ft above sea level.

REMARKS.--Records good. Flow regulated by Mio Dam 500 ft upstream. Gage-height telemeter at station.

04136500 AU SABLE RIVER AT MIO, MI—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	942	756	1,250	945	1,280	869	1,560	966	1,250	1,000	e830	728
2	855	730	1,170	918	1,190	879	1,550	940	1,140	998	e970	748
3	838	735	1,080	958	1,180	837	1,960	913	1,120	959	1,270	747
4	787	738	1,040	1,020	1,140	824	2,220	924	1,030	902	1,140	730
5	785	722	1,000	1,160	1,170	830	2,040	895	996	868	1,030	717
6	764	1,030	774	1,090	1,060	853	1,910	889	963	866	947	730
7	739	1,190	792	1,020	1,010	840	1,840	882	932	826	910	722
8	724	1,110	948	1,010	1,030	837	1,690	873	933	836	860	705
9	723	1,030	964	988	946	904	1,590	873	916	872	853	745
10	723	970	941	952	981	1,410	1,500	885	891	943	844	734
11	711	932	938	939	977	1,650	1,440	1,400	874	856	811	719
12	713	919	851	1,010	943	1,750	1,460	1,710	862	862	801	771
13	726	987	863	1,090	937	2,120	1,550	1,620	870	806	799	942
14	732	1,000	856	1,080	918	2,090	1,510	1,440	845	784	768	979
15	747	999	896	969	928	1,890	1,440	1,340	848	986	767	898
16	714	1,060	881	942	974	1,730	1,360	1,290	833	905	793	850
17	753	1,060	851	957	852	1,620	1,300	1,210	814	1,260	730	800
18	799	987	851	992	745	1,490	1,250	1,170	950	1,540	734	847
19	786	972	767	931	740	1,410	1,180	1,220	1,070	1,170	754	812
20	761	962	788	921	932	1,310	1,150	1,170	977	1,000	755	798
21	735	979	934	969	1,020	1,290	1,150	1,100	940	907	659	763
22	730	959	879	874	959	1,220	1,140	1,070	922	870	709	782
23	736	930	882	913	955	1,230	1,150	1,040	885	872	697	778
24	736	910	952	920	860	1,190	1,140	976	894	870	706	952
25	734	725	1,050	920	942	1,210	1,140	990	838	889	919	934
26	724	922	1,080	889	848	1,200	1,100	950	916	927	997	909
27	706	918	1,010	875	856	1,230	1,050	940	1,180	1,060	945	898
28	732	1,030	1,000	893	817	1,260	1,050	1,060	1,200	1,090	910	883
29	711	1,270	964	1,140	---	1,280	1,010	1,200	1,270	968	832	850
30	710	1,330	988	1,510	---	1,340	984	1,110	1,110	892	803	883
31	733	---	952	1,400	---	1,450	---	1,190	---	848	773	---
Total	23,309	28,862	29,192	31,195	27,190	40,043	42,414	34,236	29,269	29,432	26,316	24,354
Mean	752	962	942	1,006	971	1,292	1,414	1,104	976	949	849	812
Max	942	1,330	1,250	1,510	1,280	2,120	2,220	1,710	1,270	1,540	1,270	979
Min	706	722	767	874	740	824	984	873	814	784	659	705
Cfsm	0.55	0.71	0.69	0.74	0.71	0.95	1.04	0.81	0.72	0.70	0.62	0.60
In.	0.64	0.79	0.80	0.85	0.74	1.09	1.16	0.94	0.80	0.80	0.72	0.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2006, BY WATER YEAR (WY)

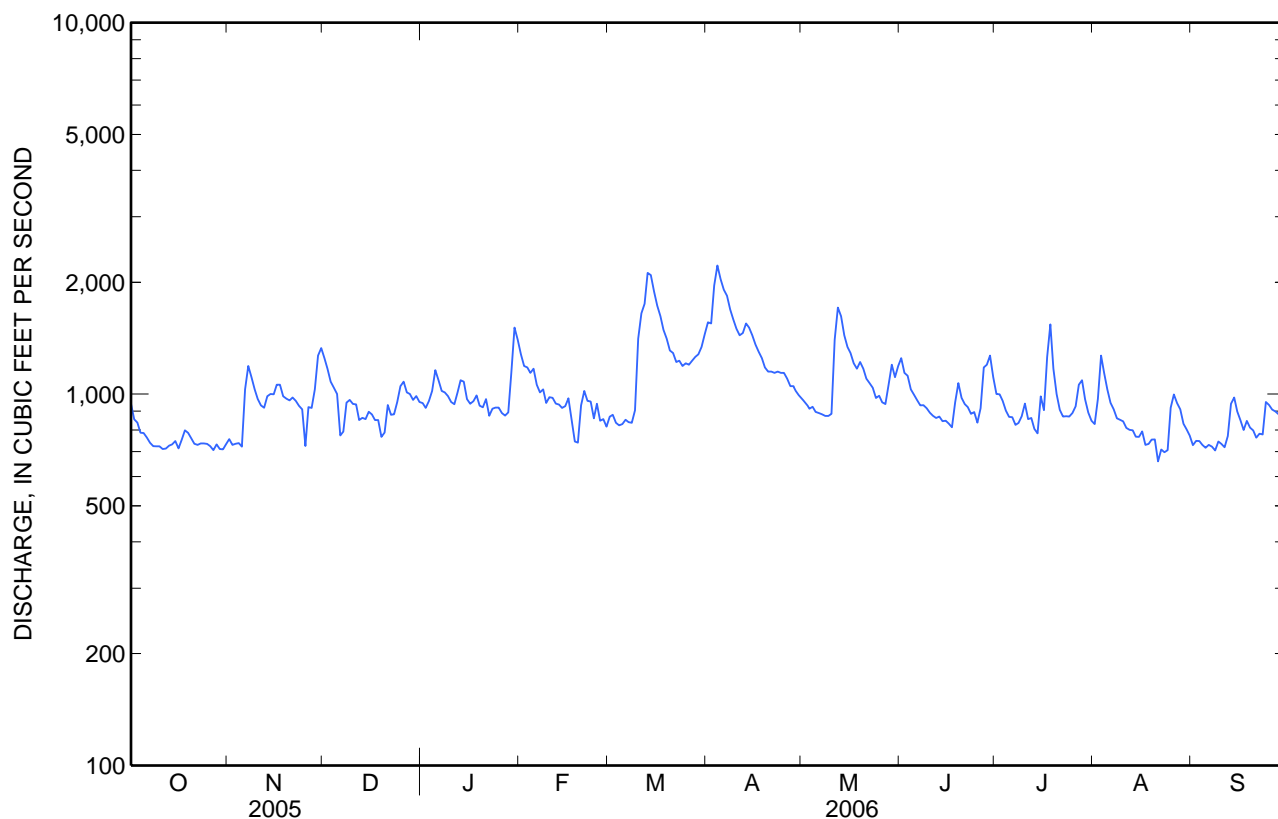
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	924	983	959	895	883	1,086	1,443	1,154	985	865	817	857
Max	1,779	1,430	1,303	1,321	1,152	1,813	2,241	1,636	1,422	1,520	1,195	1,575
(WY)	(1987)	(1992)	(1967)	(1973)	(1973)	(1976)	(1971)	(1983)	(1954)	(1994)	(1994)	(1986)
Min	659	717	711	657	659	733	799	723	683	655	578	661
(WY)	(2001)	(2003)	(1964)	(2003)	(2003)	(1956)	(2000)	(1958)	(1958)	(1958)	(1958)	(1958)

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SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1952 - 2006	
Annual total	335,358		365,812			
Annual mean	919		1,002		987	
Highest annual mean					1,213	1986
Lowest annual mean					746	1958
Highest daily mean	1,900	Apr 2	2,220	Apr 4	4,230	Apr 1, 1998
Lowest daily mean	631	Sep 15	659	Aug 21	21	Aug 9, 1977
Annual seven-day minimum	647	Sep 15	716	Aug 18	420	Aug 8, 1977
Maximum peak flow			2,570	Jul 17	4,380	Sep 30, 1986 ^a
Maximum peak stage			4.80	Jul 17	6.37	Apr 1, 1998
Instantaneous low flow			552	May 1	7.0	Aug 4, 1977
Annual runoff (cfsm)	0.675		0.736		0.725	
Annual runoff (inches)	9.17		10.00		9.85	
10 percent exceeds	1,160		1,330		1,340	
50 percent exceeds	894		940		918	
90 percent exceeds	699		736		708	

^a Also occurred Apr. 1, 1998.



04136500 AU SABLE RIVER AT MIO, MI—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1996 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 1996 to current year.

DISSOLVED OXYGEN: July 1996 to current year.

INSTRUMENTATION.--Water-quality monitor telemeter, set for one-hour measurement interval.

REMARKS.--Interruptions in the water-quality record were due to malfunction of the instrument. Water temperature records good. Dissolved oxygen records rated excellent except the following periods: Oct. 11-15, Nov. 10-13, Apr. 29 to May 7, June 13-16, Aug. 10-14, Sept. 3-11, 26-29 rated good; Oct. 16-22, Nov. 14-20, May 8-10, June 17-23, Aug. 15, 16 rated fair; and Oct. 23 to Nov. 2, Nov. 21 to Dec. 12, June 24 to July 11 rated poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.0°C, Aug. 9, 2001; minimum, 0.0°C, on many days during winter periods.

DISSOLVED OXYGEN: Maximum, 14.3 mg/L, Feb. 23-25, 1999; minimum, 5.8 mg/L, July 27, 2001.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.7°C, July 31; minimum, 0.2°C, on several days during winter period.

DISSOLVED OXYGEN: Maximum, 13.2 mg/L, Jan. 29, Mar. 7; minimum, 5.9 mg/L, July 22.

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	13.6	12.7	13.1	7.2	6.9	7.1	3.3	2.2	3.0	2.3	2.0	2.2
2	13.4	12.8	13.1	7.2	6.7	6.9	3.1	2.2	2.6	2.0	1.8	1.9
3	15.2	13.2	14.3	7.7	7.1	7.4	2.2	1.4	1.6	2.0	1.8	1.8
4	15.9	14.6	15.1	8.4	7.7	8.0	1.4	0.9	1.1	2.4	1.9	2.2
5	17.2	15.1	16.1	8.5	8.3	8.4	1.0	0.5	0.6	2.8	2.4	2.6
6	17.4	16.1	16.9	8.4	8.1	8.3	0.7	0.4	0.6	2.9	2.5	2.7
7	16.7	15.8	16.2	8.1	8.0	8.1	0.9	0.6	0.7	2.5	2.1	2.3
8	15.8	14.6	15.2	8.0	7.4	7.7	0.8	0.5	0.6	2.1	1.4	1.8
9	14.6	13.1	14.0	7.4	6.7	7.1	0.6	0.4	0.5	1.4	1.2	1.3
10	13.1	11.5	12.5	6.7	6.1	6.3	0.6	0.4	0.4	1.4	1.2	1.3
11	11.8	10.4	11.1	6.1	5.8	6.0	0.5	0.3	0.4	1.8	1.3	1.6
12	10.9	10.2	10.6	6.1	5.8	5.9	0.4	0.3	0.3	1.9	1.7	1.8
13	11.2	10.4	10.8	6.2	6.0	6.1	0.4	0.3	0.3	1.9	1.8	1.8
14	12.6	10.6	11.5	6.0	5.7	5.8	0.4	0.2	0.3	2.4	1.9	2.1
15	12.0	11.5	11.7	5.9	5.7	5.8	0.4	0.2	0.3	2.3	2.1	2.2
16	11.6	11.3	11.5	6.0	5.4	5.8	0.4	0.2	0.3	2.3	2.1	2.2
17	11.5	11.3	11.4	5.4	4.7	5.1	0.4	0.2	0.3	2.1	1.0	1.6
18	11.5	11.2	11.4	4.7	3.6	4.1	0.3	0.2	0.3	1.0	0.6	0.8
19	11.3	10.8	11.1	3.8	3.4	3.6	0.6	0.3	0.5	0.7	0.5	0.6
20	10.8	9.9	10.5	3.5	3.0	3.2	0.7	0.5	0.6	0.8	0.6	0.7
21	9.9	9.3	9.6	3.0	2.8	2.8	1.3	0.3	0.6	0.9	0.7	0.8
22	9.3	9.1	9.2	2.8	2.7	2.8	0.5	0.3	0.3	1.1	0.7	0.9
23	9.1	8.5	8.8	2.8	2.7	2.7	0.5	0.2	0.3	1.2	0.9	1.1
24	8.5	7.9	8.2	2.7	1.3	2.0	0.4	0.2	0.3	1.2	0.9	1.1
25	7.9	7.5	7.7	1.3	0.8	0.9	0.6	0.2	0.4	1.0	0.9	0.9
26	7.5	7.1	7.2	1.1	0.7	0.8	1.6	0.6	1.1	1.2	0.9	1.1
27	7.1	6.8	6.9	0.8	0.6	0.7	2.1	1.6	1.9	1.2	1.1	1.1
28	7.0	6.5	6.8	0.9	0.5	0.6	2.2	2.1	2.2	1.3	0.9	1.1
29	6.8	6.5	6.7	1.1	0.8	0.9	2.2	2.2	2.2	1.1	0.9	0.9
30	7.1	6.5	6.8	2.2	1.1	1.5	2.2	2.1	2.2	2.1	1.1	1.6
31	7.1	6.9	7.0	---	---	---	2.3	2.2	2.3	2.5	2.1	2.4
Month	17.4	6.5	11.1	8.5	0.5	4.7	3.3	0.2	0.9	2.9	0.5	1.6

04136500 AU SABLE RIVER AT MIO, MI—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	2.5	2.3	2.4	0.3	0.2	0.2	8.3	7.9	8.1	12.6	12.4	12.5
2	2.3	1.9	2.0	0.3	0.2	0.2	8.3	8.1	8.2	13.0	12.4	12.6
3	2.0	1.8	1.9	0.4	0.2	0.2	8.1	6.4	7.4	14.5	12.7	13.5
4	2.4	1.9	2.2	0.4	0.2	0.3	6.4	4.0	5.2	14.4	13.6	14.0
5	2.5	2.2	2.4	0.6	0.3	0.4	4.0	3.4	3.6	14.2	13.9	14.1
6	2.2	1.3	1.7	0.7	0.5	0.6	4.6	3.4	3.9	14.8	13.6	14.1
7	1.3	0.8	1.0	0.9	0.6	0.7	5.8	4.6	5.3	14.5	14.0	14.2
8	0.9	0.6	0.7	1.4	0.8	1.1	6.7	5.7	6.2	15.0	13.9	14.4
9	0.8	0.6	0.7	1.9	1.4	1.7	7.3	6.3	6.8	14.3	13.7	14.0
10	0.8	0.6	0.7	2.7	1.9	2.2	7.3	6.7	7.0	15.8	14.0	14.7
11	0.7	0.5	0.6	3.0	2.7	2.9	8.3	7.1	7.6	15.1	14.4	14.8
12	0.6	0.4	0.5	3.2	3.0	3.1	9.6	8.2	9.0	15.0	13.8	14.6
13	0.8	0.5	0.6	3.7	3.2	3.5	11.3	9.4	10.2	13.8	12.0	12.8
14	1.0	0.7	0.9	3.7	2.3	3.0	12.5	10.7	11.4	12.0	11.3	11.6
15	1.1	1.0	1.0	2.3	1.9	2.0	12.9	11.7	12.2	11.4	11.2	11.3
16	1.2	0.9	1.0	2.1	1.7	1.9	12.8	12.5	12.6	12.4	11.3	11.6
17	1.3	1.0	1.1	2.5	2.1	2.4	13.1	12.8	12.9	14.1	12.4	13.4
18	1.4	1.0	1.3	2.5	2.2	2.3	12.9	12.0	12.5	13.7	13.1	13.3
19	1.0	0.6	0.8	2.2	1.9	2.1	12.6	11.8	12.2	13.3	13.0	13.2
20	0.6	0.4	0.5	2.5	2.0	2.2	12.9	12.3	12.6	13.4	12.6	12.9
21	0.5	0.3	0.4	3.0	2.3	2.6	14.6	12.7	13.5	12.8	11.7	12.2
22	0.4	0.2	0.3	3.0	2.8	2.9	13.7	13.3	13.4	12.4	11.4	11.8
23	0.3	0.2	0.2	3.0	2.9	2.9	13.5	13.0	13.3	13.6	11.8	12.6
24	0.3	0.2	0.2	3.4	3.0	3.2	13.6	12.7	13.1	14.1	12.5	13.3
25	0.3	0.2	0.2	3.8	3.4	3.6	13.1	11.9	12.5	15.2	13.2	13.8
26	0.4	0.2	0.2	4.5	3.7	4.1	11.9	11.4	11.6	16.4	13.9	14.9
27	0.3	0.2	0.2	5.4	4.4	4.8	12.0	11.5	11.7	16.7	15.8	16.3
28	0.4	0.2	0.2	5.6	5.0	5.3	12.3	11.5	12.0	19.7	16.6	17.9
29	---	---	---	6.8	5.6	6.2	12.4	11.9	12.1	20.8	18.5	19.6
30	---	---	---	7.4	6.6	6.9	12.7	12.3	12.5	22.5	19.5	20.5
31	---	---	---	8.0	7.2	7.6	---	---	---	21.2	20.8	21.1
Month	2.5	0.2	0.9	8.0	0.2	2.7	14.6	3.4	10.0	22.5	11.2	14.2

04136500 AU SABLE RIVER AT MIO, MI—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	21.4	20.9	21.1	20.3	19.0	19.5	---	---	---	17.6	17.2	17.4
2	21.0	19.6	20.4	20.9	19.5	20.2	---	---	---	17.5	16.9	17.2
3	20.0	18.8	19.5	21.2	20.2	20.6	23.8	23.4	23.6	17.4	17.1	17.3
4	19.9	19.0	19.5	22.1	20.5	21.2	24.1	23.1	23.4	17.5	16.8	17.2
5	20.3	19.4	19.8	21.0	20.3	20.7	23.1	21.6	22.5	17.2	16.8	17.0
6	20.8	19.3	19.8	20.7	20.1	20.4	22.3	21.4	21.9	17.1	16.4	16.7
7	20.0	19.2	19.4	21.0	19.9	20.4	22.5	21.2	21.8	18.2	16.5	17.3
8	21.5	19.4	20.2	21.6	19.5	20.5	21.6	20.5	21.1	18.2	16.7	17.4
9	20.4	19.3	19.8	21.5	20.0	20.6	21.8	20.4	21.0	17.0	16.5	16.8
10	19.8	18.9	19.4	20.5	20.2	20.4	20.9	19.7	20.4	16.7	16.0	16.4
11	19.1	18.1	18.7	20.4	19.9	20.2	20.5	20.0	20.2	16.4	15.8	16.1
12	18.5	17.8	18.2	20.4	19.9	20.1	20.5	19.3	20.0	16.0	14.9	15.4
13	18.5	17.2	17.9	21.5	20.0	20.6	20.8	19.1	19.8	14.9	14.1	14.5
14	17.8	16.5	17.2	22.3	20.7	21.3	20.5	19.4	19.9	14.2	13.5	13.9
15	18.4	16.6	17.5	23.3	21.5	22.4	20.5	19.3	19.8	14.3	13.8	14.2
16	20.3	17.5	18.8	24.3	22.4	23.2	19.9	18.7	19.3	15.4	13.9	14.6
17	20.7	18.7	19.6	24.0	22.8	23.4	19.4	18.5	18.8	16.4	14.7	15.6
18	20.5	19.4	20.0	22.9	22.2	22.5	19.4	18.3	18.8	16.5	15.7	16.2
19	21.5	20.0	20.7	23.0	21.9	22.3	19.8	18.4	18.9	16.0	15.4	15.8
20	21.1	20.2	20.7	23.0	21.8	22.5	19.1	18.5	18.8	15.5	15.0	15.2
21	20.9	19.8	20.3	22.2	21.5	21.8	19.9	18.4	19.1	15.4	14.7	15.0
22	21.2	20.0	20.5	21.9	21.2	21.6	19.7	18.5	19.0	14.7	13.7	14.1
23	20.3	19.7	19.9	21.5	20.1	20.7	19.0	18.5	18.8	14.0	13.4	13.8
24	20.5	19.6	20.0	21.8	19.9	20.6	18.5	17.7	18.1	13.9	12.9	13.5
25	19.6	18.8	19.2	21.9	20.1	20.8	17.9	17.3	17.6	12.9	12.3	12.6
26	19.9	18.6	19.2	21.3	20.3	20.9	17.4	16.6	17.1	13.0	12.2	12.5
27	20.6	19.6	20.0	21.2	20.3	20.7	17.1	16.6	16.9	12.6	12.2	12.4
28	19.9	18.9	19.4	22.8	20.5	21.7	17.0	16.4	16.7	12.2	11.3	11.8
29	20.0	19.0	19.5	23.3	21.8	22.4	16.9	16.2	16.4	11.3	10.8	11.1
30	20.4	19.1	19.6	23.4	22.1	22.6	17.4	16.5	16.9	10.8	10.4	10.6
31	---	---	---	24.7	22.5	23.5	17.6	17.1	17.3	---	---	---
Month	21.5	16.5	19.5	24.7	19.0	21.3	---	---	---	18.2	10.4	15.0

04136500 AU SABLE RIVER AT MIO, MI—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	8.9	8.6	8.8	10.3	10.0	10.2	12.0	11.3	11.5	11.8	11.7	11.7
2	8.8	8.7	8.8	10.9	10.2	10.5	11.7	11.3	11.5	12.0	11.8	11.9
3	9.0	8.8	8.9	10.7	10.4	10.5	12.0	11.7	11.9	12.0	11.9	11.9
4	8.9	8.6	8.7	10.5	9.9	10.3	12.3	11.9	12.1	11.9	11.8	11.8
5	8.7	8.2	8.6	10.2	9.8	10.0	12.7	12.3	12.5	11.8	11.7	11.7
6	8.4	8.0	8.3	10.4	9.9	10.1	12.6	12.5	12.6	11.7	11.6	11.7
7	8.2	7.8	7.9	10.3	10.0	10.1	12.8	12.6	12.7	11.8	11.7	11.8
8	8.0	7.7	7.8	10.0	9.8	9.9	12.9	12.6	12.8	12.1	11.8	11.9
9	8.0	7.7	7.9	10.2	9.7	10	13.0	12.8	12.9	12.3	12.1	12.2
10	8.4	8.0	8.2	10.6	10.2	10.4	13.0	12.8	12.9	12.4	12.2	12.3
11	9.1	8.3	8.7	10.5	10.2	10.4	12.9	12.7	12.8	12.3	12.1	12.2
12	9.1	8.9	9.0	10.5	10.1	10.3	12.8	12.1	12.6	12.3	12.1	12.2
13	9.1	8.9	9.0	10.9	10.3	10.6	12.5	12.3	12.4	12.3	12.2	12.3
14	9.2	8.9	9.1	10.9	10.7	10.8	12.4	12.2	12.3	12.3	12.1	12.2
15	9.1	8.8	9.0	10.9	10.6	10.7	12.6	12.3	12.4	12.2	12.1	12.1
16	9.0	8.8	8.9	10.9	10.4	10.7	12.6	12.4	12.5	12.1	12.0	12.1
17	8.8	8.7	8.8	11.0	10.8	10.9	12.6	12.5	12.6	12.8	12.1	12.4
18	8.9	8.6	8.8	11.2	10.9	11.0	12.6	12.4	12.5	13.0	12.7	12.9
19	8.9	8.2	8.7	11.3	10.9	11.1	12.4	12.3	12.4	13.0	12.8	12.9
20	9.0	8.7	8.8	11.6	11.1	11.3	12.4	12.3	12.4	12.9	12.7	12.8
21	9.1	8.9	9.0	11.8	11.6	11.7	---	---	---	12.8	12.6	12.7
22	9.0	8.9	9.0	11.8	11.6	11.7	13.1	12.7	12.9	12.9	12.7	12.8
23	9.2	8.9	9.1	11.6	11.4	11.5	13.1	12.9	13.0	12.7	12.5	12.6
24	9.5	9.2	9.4	11.9	11.4	11.6	13.0	12.7	12.9	12.8	12.6	12.7
25	9.7	9.4	9.5	12.1	11.9	12.0	12.8	12.5	12.7	13.0	12.8	12.9
26	9.7	9.6	9.7	12.2	12.0	12.1	12.5	12.1	12.3	12.8	12.6	12.7
27	9.8	9.7	9.7	12.3	12.1	12.2	12.1	11.9	12.0	12.7	12.6	12.6
28	9.8	9.7	9.8	12.4	12.1	12.3	12.0	11.9	11.9	12.9	12.6	12.8
29	10.0	9.7	9.8	12.4	12.2	12.3	12.1	12.0	12.0	13.2	12.9	13.1
30	10.0	9.8	9.9	12.4	12.0	12.3	12.0	11.8	12.0	13.1	12.5	12.9
31	10.0	9.9	10	---	---	---	11.8	11.7	11.8	12.5	12.0	12.2
Month	10.0	7.7	9.0	12.4	9.7	11.0	---	---	---	13.2	11.6	12.4

04136500 AU SABLE RIVER AT MIO, MI—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	12.0	11.9	12.0	13.1	12.9	13.0	11.4	10.9	11.2	10.3	10.0	10.2
2	12.3	12.0	12.2	13.1	13.0	13.1	11.0	10.7	10.9	10.4	10.0	10.1
3	12.5	12.2	12.3	13.1	13.0	13.1	---	---	---	10.5	10.0	10.2
4	12.4	12.1	12.2	13.1	12.9	13.0	---	---	---	10.1	9.8	9.9
5	12.2	12.1	12.1	12.9	12.8	12.9	---	---	---	9.8	9.5	9.7
6	12.4	12.1	12.2	13.1	12.9	13.0	---	---	---	9.6	8.5	9.4
7	12.6	12.4	12.5	13.2	13.0	13.1	---	---	---	9.5	8.9	9.2
8	12.7	12.4	12.6	13.1	12.8	13.0	---	---	---	9.2	8.8	9.1
9	12.7	12.4	12.5	12.8	12.7	12.8	---	---	---	9.5	9.0	9.3
10	12.4	12.3	12.4	12.7	12.4	12.6	---	---	---	9.8	9.2	9.5
11	12.4	12.1	12.4	12.4	11.9	12.1	---	---	---	9.5	9.0	9.2
12	12.4	12.3	12.4	12.1	11.9	12.0	---	---	---	9.0	8.4	8.7
13	12.4	12.2	12.3	12.2	11.9	12.1	10.4	9.9	10.2	8.7	8.4	8.5
14	12.3	12.2	12.3	12.3	11.9	12.1	9.9	9.7	9.8	9.1	8.7	8.9
15	12.3	12.1	12.2	12.7	12.2	12.5	9.8	9.6	9.7	9.3	9.0	9.2
16	12.4	12.1	12.2	12.8	12.7	12.7	9.6	9.2	9.4	9.4	9.3	9.3
17	12.5	12.4	12.4	12.8	12.7	12.7	9.4	9.2	9.3	9.4	9.2	9.3
18	12.4	12.3	12.4	12.9	12.7	12.8	9.6	9.3	9.4	9.2	9.0	9.1
19	12.5	12.4	12.5	13.0	12.9	13.0	9.9	9.6	9.8	9.0	8.8	8.9
20	12.7	12.5	12.6	13.0	12.9	13.0	10.1	9.9	10.0	9.0	8.7	8.8
21	12.9	12.7	12.8	12.9	12.7	12.9	10.4	9.7	10.0	9.5	9.0	9.3
22	12.9	12.7	12.8	12.8	12.7	12.8	9.7	9.4	9.5	9.8	9.5	9.7
23	12.8	12.6	12.7	12.8	12.6	12.7	9.4	9.1	9.3	9.8	9.7	9.7
24	12.7	12.5	12.6	12.7	12.4	12.5	9.3	9.1	9.2	9.9	9.6	9.8
25	12.6	12.5	12.5	12.5	12.3	12.4	9.5	9.2	9.3	9.8	9.5	9.7
26	12.7	12.5	12.6	12.3	12.1	12.2	10.1	9.5	9.8	9.6	9.2	9.4
27	12.9	12.7	12.8	12.2	12.0	12.1	10.1	9.9	10.1	9.2	8.8	9.1
28	12.9	12.7	12.8	12.1	11.9	12.1	10.3	10.0	10.2	9.0	8.6	8.8
29	---	---	---	12.0	11.7	11.9	10.3	10.1	10.2	8.7	8.2	8.6
30	---	---	---	11.8	11.5	11.7	10.3	10.1	10.2	8.4	7.8	8.1
31	---	---	---	11.6	11.3	11.5	---	---	---	8.0	7.3	7.7
Month	12.9	11.9	12.4	13.2	11.3	12.6	---	---	---	10.5	7.3	9.2

04136500 AU SABLE RIVER AT MIO, MI—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	7.6	6.9	7.3	8.5	8.0	8.3	---	---	---	8.2	7.9	8.0
2	7.2	6.7	7.0	8.9	8.1	8.3	---	---	---	8.2	7.9	8.1
3	7.8	7.1	7.4	8.7	7.7	8.1	6.8	6.5	6.7	8.7	8.2	8.4
4	8.0	7.4	7.8	8.8	7.7	8.2	7.2	6.5	6.7	8.8	8.4	8.6
5	8.3	7.8	8.1	9.0	7.5	8.0	6.9	6.3	6.6	8.7	8.5	8.6
6	8.6	7.8	8.1	9.1	7.5	7.8	7.7	6.6	7.3	8.6	8.2	8.4
7	8.3	7.8	8.0	8.5	7.8	8.0	7.7	7.0	7.3	9.0	8.2	8.6
8	8.6	7.9	8.2	9.0	7.7	8.4	7.3	7.0	7.2	8.7	8.0	8.3
9	8.2	7.7	8.0	9.3	8.1	8.5	8.0	7.1	7.6	8.3	7.9	8.0
10	8.2	7.8	8.0	8.7	8.1	8.5	7.7	7.0	7.3	8.5	8.2	8.3
11	8.2	7.7	7.9	8.6	7.4	8.0	7.7	7.2	7.5	8.6	8.3	8.5
12	8.3	7.9	8.1	7.9	7.3	7.6	7.8	7.2	7.6	8.7	8.5	8.6
13	8.6	8.0	8.3	8.1	7.6	7.9	8.6	7.4	8.0	8.9	8.7	8.8
14	8.4	8.0	8.2	8.4	7.9	8.2	8.5	7.9	8.2	9.0	8.9	8.9
15	8.8	8.4	8.6	8.4	8.1	8.2	8.6	8.0	8.2	8.9	8.8	8.9
16	8.9	8.6	8.7	8.4	7.8	8.1	8.2	7.8	8.0	9.1	8.8	8.9
17	8.8	8.4	8.6	8.1	7.4	7.7	8.0	7.6	7.8	9.2	8.8	9.0
18	8.5	8.2	8.3	7.4	6.6	7.0	8.0	7.6	7.8	9.1	8.8	9.0
19	8.3	7.8	8.0	6.7	6.2	6.5	8.3	7.6	7.8	9.0	8.8	8.9
20	8.1	7.3	7.8	6.9	6.3	6.6	8.0	7.7	7.9	8.8	8.6	8.7
21	7.5	7.0	7.3	6.6	6.1	6.4	8.4	7.9	8.1	8.6	8.5	8.6
22	8.0	7.2	7.7	6.7	5.9	6.3	8.1	7.7	7.9	8.8	8.4	8.6
23	8.2	7.6	7.9	6.6	6.2	6.3	8.1	7.7	8.0	9.1	8.8	9.0
24	8.6	8.0	8.2	7.3	6.3	6.7	7.9	7.6	7.7	9.2	9.0	9.1
25	8.6	7.9	8.2	7.4	6.8	7.0	7.9	7.5	7.8	9.4	9.2	9.3
26	8.8	8.2	8.5	7.5	6.9	7.2	8.1	7.9	8.0	9.3	9.2	9.2
27	8.8	8.2	8.5	7.5	7.2	7.3	8.1	7.8	7.9	9.2	9.1	9.1
28	8.7	8.0	8.3	7.5	7.0	7.2	7.9	7.7	7.8	9.4	9.1	9.3
29	8.6	7.7	8.1	7.5	6.8	7.2	8.1	7.7	7.9	9.6	9.4	9.5
30	8.4	7.7	8.1	7.1	6.2	6.7	8.2	7.8	7.9	---	---	---
31	---	---	---	7.3	6.1	6.7	8.2	7.9	8.0	---	---	---
Month	8.9	6.7	8.0	9.3	5.9	7.5	---	---	---	---	---	---