0209262905 NEUSE RIVER AT CHANNEL LIGHT 11

LOCATION.--Lat. 34°59'57", long. 76°56'35", Craven County, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Light 11.

PERIOD OF RECORD .-- Water years 1989 to 1993, 1996 to current year.

PERIOD OF DAILY RECORD .--

SALINITY (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.

pH (TOP AND BOTTOM): June 1996 to current year.

WATER TEMPERATURE (TOP): May to December 1989, January 1991 to July 1993, June 1996 to current year.

WATER TEMPERATURE (BOTTOM): June 1996 to current year.

DISSOLVED OXYGEN (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.

DISSOLVED OXYGEN (MID): May to December 1989, January 1991 to July 1993.

DISSOLVED OXYGEN, PERCENT SATURATION, (TOP AND BOTTOM): May to December 1989, January 1991 to July 1993, June 1996 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION, (MID): May to December 1989, January 1991 to July 1993.

INSTRUMENTATION.-- Water-quality monitor from May to December 1989, January 1991 to July 1993. Constituents monitored were: specific conductance, top and bottom, water temperature top, dissolved oxygen, top, mid-depth and bottom. Water-quality monitor with satellite telemetry from June 1996 to current year. Constituents monitored were the same as previous water years except, mid-depth dissolved oxygen was not measured, water temperature, bottom, was added as well as pH top and bottom.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was removed on August 29, 1999 to prevent possible destruction of the equipment during Hurricanes Dennis and Floyd. It was reinstalled October 6, 1999. The monitor was removed on Septemer 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled September 19, 2003. Prior to June 1996, top constituents were monitored at 10 feet above streambed, mid constituents at 6 feet above streambed, and bottom constituents 2 feet above streambed. Beginning in June 1996 top constituents were monitored at 8 feet above streambed, and bottom constituents 2 feet above streambed. Salinity and dissolved oxygen, percent saturation are computed. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg beginning October 1, 2000. Salinity, minimum extremes are reported as <0.1 ppt. Dissolved oxygen minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation minimum extremes are reported as <10%.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	23.5, July 31	<0.1, on many days during the period
SALINITY (BOTOM), ppt	24.6, July 31	<0.1, on many days during the period
pH (TOP), standard units	9.9, March 17, 1999	5.7, February 16, 1998
pH (BOTTOM), standard units	9.3, September 23, 1998	4.3, August 21, 2003
WATER TEMPERATURE (TOP), ° C	33.3, August 1, 1999	0.6, January 25, 2003
WATER TEMPERATURE (BOTTOM), ° C	30.7, August 2	1.2, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	20.0, February 18, 1992	<1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	21.2, February 20, 1991	<1.0, on many days during the period

EXTREMEMS FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	17.9, October 20	<0.1, on many days during the year
SALINITY (BOTTOM), ppt	19.6, October 22	<0.1, on many days during the year
pH (TOP), standard units	9.0, May 16, June 25	6.3, June 7, 8, 9
pH (BOTTOM), standard units	8.7, May 16	4.3, August 21
WATER TEMPERATURE (TOP), °C	31.0, July 8	0.6, January 25
WATER TEMPERATURE (BOTTOM), °C	29.1, July 22	1.2, January 24
DISSOLVED OXYGEN (TOP), mg/L	17.3, December 31	<1.0, October 5, August 30, 31
DISSOLVED OXYGEN (BOTTOM), mg/L	14.7, December 18	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	158, May 16	<10, August 30, 31
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	137, May 16	<10, on many days during the year

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBE	R	N	NOVEMBI	ER	Ε	DECEMBE	ER		JANUAR	Y
1 2 3 4 5	15.0 16.1 17.2 17.3 17.7	13.5 13.8 14.8 14.3 14.0	14.2 14.8 15.7 15.7 15.1	13.3 14.1 14.1 13.1 12.6	12.0 12.1 12.6 10.9 11.0	12.7 12.8 12.8 12.6 11.9	14.1 12.5 13.4 	11.3 10.1 10.0 	13.1 11.5 12.0	8.8 7.0 7.0 7.5 12.8	6.5 2.4 1.8 5.0 5.1	7.9 5.2 4.0 6.7 8.0
6 7 8 9 10	17.7 15.0 16.7 16.7 16.2	14.5 14.4 14.5 14.7 14.0	15.3 14.6 15.8 15.7 15.3	12.8 12.6 14.0 14.5 14.9	10.3 10.9 11.0 11.2 12.2	11.6 11.6 12.0 13.0 13.3	11.9 10.9 11.3 10.6 12.2	10.8 9.5 8.7 8.3 9.7	11.3 10.5 10.1 9.4 11.3	12.2 13.9 14.2 14.2 13.1	4.1 10.9 12.0 9.4 6.8	7.0 12.3 13.5 13.1 9.8
11 12 13 14 15	15.2 15.3 15.1 15.9 16.6	14.5 14.5 14.7 14.4 14.7	14.8 14.9 14.9 15.4 15.8	13.4 14.2 14.3 17.0 17.1	11.9 9.0 10 10.6 14.8	12.5 11.4 11.2 14.7 16.4	11.9 	9.0 	10.4 	7.8 10.9 13.6 13.6 11.5	4.4 4.2 8.6 8.5 9.3	5.8 7.8 10.1 9.4 10.8
16 17 18 19 20	16.3 16.0 15.3 16.2 17.9	13.9 14.7 14.8 15.3 14.5	15.3 15.5 15.1 15.7 15.9	15.8 16.1 12.4 13.5 16.7	9.7 9.6 11.0 10 11.6	12.5 12.4 11.7 11.6 14.3	8.5 8.2 8.0 9.3	7.3 6.0 4.2 7.5	8.1 7.4 6.9 8.5	11.5 11.5 11.4 11.9	10.6 9.5 10 9.9	11.3 11.1 10.7 11.2
21 22 23 24 25	17.1 17.6 17.8 16.1 12.8	12.4 12.8 14.4 11.7 11.9	14.7 15.7 16.5 13.3 12.4	15.9 17.3 15.7 13.9 13.9	11.7 11.3 12.6 11.8 9.2	14.1 14.7 13.3 12.8 11.5	9.9 10.2 9.2 9.0 9.4	7.5 6.3 4.3 2.7 4.0	8.7 8.4 6.9 5.3 6.9	12.2 11.1 11.0 11.3 10.4	10.2 10.1 9.0 8.7 7.8	11.2 10.6 10.4 10.4 9.0
26 27 28 29 30 31	13.1 13.5 13.9 13.5 13.5 13.4	12.1 12.5 13.0 13.1 12.0 12.4	12.7 13.0 13.3 13.4 12.8 13.0	10.5 13.5 13.6 14.3 17.1	6.5 7.6 9.2 8.9 12.8	9.0 10.5 11.0 10.2 15.2	9.1 8.1 7.1 11.5 7.6 7.6	6.3 3.8 3.9 5.5 5.7 5.0	8.5 5.9 6.0 8.8 7.2 7.1	10.6 10.6 10.6 11.4 11.4 10.5	8.1 9.8 9.6 10.0 9.8 6.6	9.4 10.2 10.2 10.8 10.6 9.6
MONTH	17.9	11.7	14.7	17.3	6.5	12.5						

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

				WAIEKI		3BLR 2002	TO BEI TEMI					
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY	7		MARCH			APRIL			MAY	
1 2	8.5 8.8	6.5 7.7	7.3 8.2	2.2	1.2	1.7	1.3 1.1	0.05 0.08	0.7 0.5	0.2 0.3	0.10 0.09	0.2 0.2
3	9.8	7.8	8.6	2.7	0.9	1.7	0.5	0.1	0.3	0.7	0.2	0.5
4 5	14.4 10.6	9.4 9.3	11.9 9.9	2.9 2.0	1.6 1.5	2.1 1.8	0.5 0.6	0.2 0.1	0.3 0.3	0.7 0.7	0.4 0.5	0.5 0.6
6							1.1	0.3	0.7	0.7	0.3	0.5
7 8				2.5	1.4	2.0	1.1 0.7	0.3 0.1	0.7 0.3	0.7 1.5	0.3 0.5	0.5 1.0
9				1.8	0.3	1.0	1.1	0.07	0.4	1.2	0.6	0.9
10				1.4	0.3	0.7	1.7	0.07	0.9	1.4	1.1	1.2
11 12				1.4 0.7	0.6 0.4	0.8 0.5	0.5 0.3	0.06 0.06	0.2 0.1	3.3 5.4	1.1 3.1	2.1 4.1
13				1.3	0.4	0.5	0.2	0.09	0.1	4.7	3.6	4.1
14 15				2.7 2.4	0.9 1.3	2.2 1.8	0.10 0.07	0.05 0.05	0.07 0.05	4.1 4.1	3.1 3.7	3.8 3.9
16				1.3	0.1	0.5	0.09	0.05	0.06	4.2	3.5	4.0
17 18				0.7 0.2	0.1 0.1	0.3 0.2	0.06 0.06	0.05 0.05	0.05 0.05	4.1 4.2	3.5 3.6	3.9 4.1
19				1.3	0.2	0.7	0.1	0.05	0.07	4.3	3.2	3.8
20				1.1	0.4	0.7	0.1	0.04	0.05	4.3	3.4	4.0
21 22	3.2 4.7	1.1 0.4	1.8 2.1	0.7 0.5	0.2 0.3	0.4 0.4	0.05 0.1	0.04 0.04	0.04 0.05	3.5 3.6	2.8 2.9	3.3 3.5
23 24	4.9	1.8	3.2	0.5	0.2 0.2	0.4	0.4	0.05	0.2 0.2	4.0	2.5	3.6 2.8
25	4.6 4.0	1.5 2.1	3.6 3.3	0.6 0.4	0.2	0.4 0.3	0.5 0.2	$0.06 \\ 0.08$	0.2	3.6 2.6	2.0 0.4	1.2
26	3.6	2.8	3.1	0.2	0.07	0.1	0.1	0.06	0.08	2.4	0.4	1.3
27 28	3.0 3.2	2.3 1.5	2.5 2.1	0.4 0.3	0.2 0.05	0.3 0.1	0.1 0.1	$0.07 \\ 0.07$	0.1 0.09	1.8 1.1	1.0 0.3	1.5 0.6
29				0.06	0.05	0.05	0.4	0.07	0.2	0.6	0.2	0.3
30 31				0.1 0.5	0.04 0.1	0.06 0.3	0.7	0.1	0.3	0.5 0.2	0.06 0.04	0.2 0.10
MONTH							1.7	0.04	0.2	5.4	0.04	2.0
		JUNE			JULY			AUGUST		Sl	ЕРТЕМВЕ	i.R
1	0.4	0.04	0.1	2.3	1.8	2.1		AUGUST		4.2	EPTEMBE 1.9	2.6
1 2	0.3	0.04 0.05	0.1	3.4	1.8 2.0	2.7				4.2 5.9	1.9 1.9	2.6 2.8
1 2 3 4	0.3 0.05 0.05	0.04 0.05 0.04 0.04	0.1 0.05 0.04	3.4 2.9 3.0	1.8 2.0 2.0 2.2	2.7 2.4 2.6	 	 	 	4.2 5.9 4.7 6.0	1.9 1.9 3.3 2.7	2.6 2.8 3.9 4.3
1 2 3 4 5	0.3 0.05 0.05 0.05	0.04 0.05 0.04 0.04 0.04	0.1 0.05 0.04 0.05	3.4 2.9 3.0 3.4	1.8 2.0 2.0 2.2 2.2	2.7 2.4 2.6 2.8	 	 	 	4.2 5.9 4.7 6.0 6.0	1.9 1.9 3.3 2.7 4.1	2.6 2.8 3.9 4.3 5.1
1 2 3 4	0.3 0.05 0.05	0.04 0.05 0.04 0.04	0.1 0.05 0.04	3.4 2.9 3.0	1.8 2.0 2.0 2.2	2.7 2.4 2.6	 	 	 	4.2 5.9 4.7 6.0	1.9 1.9 3.3 2.7	2.6 2.8 3.9 4.3
1 2 3 4 5 6 7 8	0.3 0.05 0.05 0.05 0.08 0.06 0.05	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04	0.1 0.05 0.04 0.05 0.06 0.05 0.05	3.4 2.9 3.0 3.4 3.0 2.7 3.0	1.8 2.0 2.0 2.2 2.2 2.2 1.8 1.4 1.5	2.7 2.4 2.6 2.8 2.5 2.1 2.3		 	 	4.2 5.9 4.7 6.0 6.0 6.0 6.7 8.2	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4
1 2 3 4 5	0.3 0.05 0.05 0.05 0.08 0.06	0.04 0.05 0.04 0.04 0.04 0.04	0.1 0.05 0.04 0.05 0.06 0.05	3.4 2.9 3.0 3.4 3.0 2.7	1.8 2.0 2.0 2.2 2.2 1.8 1.4	2.7 2.4 2.6 2.8 2.5 2.1		 	 	4.2 5.9 4.7 6.0 6.0 6.0	1.9 1.9 3.3 2.7 4.1 4.2 4.5	2.6 2.8 3.9 4.3 5.1 4.9 5.6
1 2 3 4 5 6 7 8 9 10	0.3 0.05 0.05 0.05 0.08 0.06 0.05 0.06 0.08	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3			 	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7
1 2 3 4 5 6 7 8 9 10	0.3 0.05 0.05 0.05 0.08 0.06 0.05 0.06 0.08	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2				4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14	0.3 0.05 0.05 0.05 0.06 0.06 0.05 0.06 0.08 0.1 0.2 0.4 1.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6	 2.2	 0.6 0.4	 1.2 0.8	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 9.0 8.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	0.3 0.05 0.05 0.05 0.08 0.06 0.08 0.1 0.2 0.4 1.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.06 0.06 0.07 0.07 0.1 0.2	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 2.2 2.1 1.9	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.6 1.2 1.0 0.5	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6 0.9	 2.2 1.7 3.8	 0.6 0.4 0.2	 1.2 0.8 0.4	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 8.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	0.3 0.05 0.05 0.05 0.06 0.06 0.05 0.06 0.08 0.1 0.2 0.4 1.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.6 0.9 0.6 0.8	 2.2 1.7 3.8 4.2 7.7	 0.6 0.4	 1.2 0.8 0.4 1.5 4.2	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 9.0 8.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	0.3 0.05 0.05 0.05 0.08 0.06 0.05 0.06 0.08 0.1 0.2 0.4 1.0 1.2 2.1 1.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04 0.06 0.06 0.07 0.07 0.1 0.2 0.7 0.7 0.5	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.4	1.8 2.0 2.0 2.2 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.6 1.2 1.0 0.5	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6 0.9 0.6 0.8 0.7	 2.2 1.7 3.8 4.2 7.7 5.9	 0.6 0.4 0.2 0.8 1.3 1.6	 1.2 0.8 0.4 1.5 4.2 4.3	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9 8.9	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 9.0 8.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	0.3 0.05 0.05 0.05 0.08 0.06 0.05 0.06 0.08 0.1 0.2 0.4 1.0 1.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9	1.8 2.0 2.0 2.2 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.0 0.5	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.6 0.9 0.6 0.8	 2.2 1.7 3.8 4.2 7.7	 0.6 0.4 0.2 0.8 1.3	 1.2 0.8 0.4 1.5 4.2	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.7 8.9 8.9	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 9.0 8.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	0.3 0.05 0.05 0.05 0.08 0.06 0.05 0.06 0.08 0.1 0.2 0.4 1.0 1.0 1.0 1.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.06 0.07 0.07 0.07 0.1 0.2 0.7 0.7 0.5 0.4 0.4	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0 1.1 0.7 0.6 0.7	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.4 1.9 1.0 1.5 1.1	1.8 2.0 2.0 2.2 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.6 1.2 1.0 0.5 0.2 0.4 0.4 0.4	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6 0.9 0.6 0.8 0.7 1.1 0.6	 2.2 1.7 3.8 4.2 7.7 5.9 4.9 2.8	 0.6 0.4 0.2 0.8 1.3 1.6 0.9 0.4 0.10	 1.2 0.8 0.4 1.5 4.2 4.3 1.8 1.1	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9 8.9	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 9.0 8.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	0.3 0.05 0.05 0.05 0.06 0.06 0.08 0.1 0.2 0.4 1.0 1.0 1.0 1.0 0.9	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04 0.06 0.07 0.07 0.1 0.2 0.7 0.7 0.5 0.4 0.4	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0 1.1 0.7 0.6 0.7	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.4 1.9 1.0 1.5 1.1	1.8 2.0 2.0 2.2 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.0 0.5 0.2 0.4 0.3 0.4 0.4	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6 0.9 0.6 0.8 0.7 1.1 0.6	 2.2 1.7 3.8 4.2 7.7 5.9 4.9 2.8	 0.6 0.4 0.2 0.8 1.3 1.6 0.9 0.4		4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9 8.9	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 9.0 8.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	0.3 0.05 0.05 0.05 0.08 0.06 0.08 0.1 0.2 0.4 1.0 1.0 1.0 1.0 1.4 1.4 1.4	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.06 0.07 0.07 0.1 0.2 0.7 0.7 0.5 0.4 0.4 0.4 0.1	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0 1.1 0.7 0.6 0.7	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.9 1.0 1.5 1.1	1.8 2.0 2.2 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.0 0.5 0.2 0.4 0.3 0.4 0.4 0.3	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6 0.9 0.6 0.8 0.7 1.1 0.6 0.4 0.5 0.5 0.4	 2.2 1.7 3.8 4.2 7.7 5.9 4.9 2.8 0.8 0.7 2.0 1.4	 0.6 0.4 0.2 0.8 1.3 1.6 0.9 0.4 0.10 0.3 0.6 1.1		4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9 8.9	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 9.0 8.7
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	0.3 0.05 0.05 0.05 0.08 0.06 0.08 0.1 0.2 0.4 1.0 1.0 1.0 1.0 1.1 1.0 1.0 1.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.06 0.07 0.07 0.1 0.2 0.7 0.7 0.5 0.4 0.4 0.8	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0 1.1 0.7 0.6 0.7	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.4 1.9 1.0 1.5 1.1	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.0 0.5 0.2 0.4 0.3 0.4 0.4 0.3 0.2 0.2 0.3 0.3	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6 0.9 0.6 0.8 0.7 1.1 0.6 0.4 0.5 0.5 0.4 0.4	 2.2 1.7 3.8 4.2 7.7 5.9 4.9 2.8 0.8 0.7 2.0 1.4	 0.6 0.4 0.2 0.8 1.3 1.6 0.9 0.4 0.10 0.3 0.6 1.1		4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.7 8.9 8.9 	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 8.7
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	0.3 0.05 0.05 0.05 0.08 0.06 0.08 0.1 0.2 0.4 1.0 1.0 1.0 1.0 1.4 1.4 1.4 1.4 2.4 3.8 4.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.04 0.06 0.07 0.07 0.1 0.2 0.7 0.7 0.5 0.4 0.4 0.4 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0 1.1 0.7 0.6 0.7 0.8 1.1 1.3 1.3 1.1 2.1 3.4	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.4 1.9 1.0 1.5 1.1 0.7 0.8 0.9 0.5	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.6 1.2 1.0 0.5 0.2 0.4 0.3 0.4 0.3 0.4 0.3 0.4 0.4 0.3 0.2 0.2 0.3 0.3 0.4 0.2	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6 0.9 0.6 0.8 0.7 1.1 0.6 0.4 0.5 0.4 0.4 0.5	 2.2 1.7 3.8 4.2 7.7 5.9 4.9 2.8 0.8 0.7 2.0 1.4 1.4	 0.6 0.4 0.2 0.8 1.3 1.6 0.9 0.4 0.10 0.3 0.6 1.1 0.4		4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9 8.9 	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3 1.5	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 9.0 8.7 2.1
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	0.3 0.05 0.05 0.05 0.08 0.06 0.08 0.1 0.2 0.4 1.0 1.0 1.0 1.2 2.1 1.0 1.0 1.4 1.4 2.4 3.8 4.0 4.0	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.06 0.06 0.07 0.07 0.1 0.2 0.7 0.5 0.4 0.4 0.4 0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0 1.1 0.7 0.6 0.7 0.8 1.1 1.3 1.3 1.1 2.1 3.4 3.5	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.4 1.9 1.0 1.5 1.1 0.7 0.8 0.9 0.5	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.6 1.2 1.0 0.5 0.2 0.4 0.3 0.4 0.4 0.3 0.2 0.2 0.3 0.3 0.4 0.4 0.1 0.3 0.2 0.2 0.3 0.3 0.4 0.1	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 2.3 2.2 1.8 1.6 0.9 0.6 0.8 0.7 1.1 0.6 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	 2.2 1.7 3.8 4.2 7.7 5.9 4.9 2.8 0.8 0.7 2.0 1.4 1.4 1.1 2.8 4.0	 0.6 0.4 0.2 0.8 1.3 1.6 0.9 0.4 0.10 0.3 0.6 1.1 0.4 0.5 0.7		4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9 8.9 	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3 1.5 1.6	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 8.7 2.1 2.3
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	0.3 0.05 0.05 0.05 0.06 0.08 0.1 0.2 0.4 1.0 1.0 1.0 1.2 2.1 1.0 0.9 1.4 1.4 1.4 2.4 3.8 4.0 3.7 2.5	0.04 0.05 0.04 0.04 0.04 0.04 0.04 0.06 0.07 0.07 0.1 0.2 0.7 0.7 0.5 0.4 0.4 0.8 1.0 1.1 0.8 1.4 2.8 2.8 1.4 0.7	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0 1.1 0.7 0.6 0.7 0.8 1.1 1.3 1.3 1.1 2.1 3.4 3.5 3.0 2.1	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.4 1.9 1.0 1.5 1.1 0.7 0.8 0.8 0.9 0.5 0.7 2.9 5.8 5.3	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.6 1.2 1.0 0.5 0.2 0.4 0.3 0.4 0.4 0.3 0.2 0.2 0.3 0.3 0.4 0.2 1.3 1.8	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 1.8 1.6 0.9 0.6 0.8 0.7 1.1 0.6 0.4 0.5 0.4 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	 2.2 1.7 3.8 4.2 7.7 5.9 4.9 2.8 0.8 0.7 2.0 1.4 1.4 1.1 2.8 4.0 5.7 8.9	 0.6 0.4 0.2 0.8 1.3 1.6 0.9 0.4 0.10 0.3 0.6 1.1 0.4 0.5 0.7 1.4 1.4 2.1	 1.2 0.8 0.4 1.5 4.2 4.3 1.8 1.1 0.4 0.5 1.2 1.20 0.9 1.3 1.8 2.5 3.7	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.0 9.7 8.9 8.9 4.0 3.4 3.7 3.8	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3 1.5 1.6 2.6 3.6	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 8.7 2.1 2.3 3.4 3.7
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	0.3 0.05 0.05 0.05 0.08 0.06 0.08 0.1 0.2 0.4 1.0 1.0 1.0 1.0 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	0.04 0.05 0.04 0.04 0.04 0.04 0.06 0.06 0.07 0.07 0.1 0.2 0.7 0.7 0.5 0.4 0.4 0.4 0.8 1.0 1.0 1.0 1.1 0.8	0.1 0.05 0.04 0.05 0.06 0.05 0.05 0.05 0.06 0.07 0.10 0.2 0.3 0.5 1.0 1.1 1.3 1.3 1.1 2.1 3.4 3.5 3.0	3.4 2.9 3.0 3.4 3.0 2.7 3.0 3.4 2.8 3.6 3.6 2.2 2.1 1.9 1.4 1.9 1.0 1.5 1.1 0.7 0.8 0.8 0.9 0.5 0.7 2.9 5.8 5.3	1.8 2.0 2.0 2.2 2.2 1.8 1.4 1.5 1.3 1.5 1.2 1.6 1.2 1.0 0.5 0.2 0.4 0.3 0.4 0.4 0.3 0.2 0.2 0.3 0.3 0.4 0.4 0.3 1.8	2.7 2.4 2.6 2.8 2.5 2.1 2.3 2.4 2.2 1.8 1.6 0.9 0.6 0.8 0.7 1.1 0.6 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	 2.2 1.7 3.8 4.2 7.7 5.9 4.9 2.8 0.8 0.7 2.0 1.4 1.1 2.8 4.0 5.7	 0.6 0.4 0.2 0.8 1.3 1.6 0.9 0.4 0.10 0.3 0.6 1.1 0.4 0.5 0.7 1.4	 1.2 0.8 0.4 1.5 4.2 4.3 1.8 1.1 0.4 0.5 1.2 1.20 1.00	4.2 5.9 4.7 6.0 6.0 6.7 8.2 9.8 9.5 9.7 8.9 8.9 	1.9 1.9 3.3 2.7 4.1 4.2 4.5 5.0 7.2 8.1 8.6 8.5 8.1 8.3 1.5 1.6 2.6	2.6 2.8 3.9 4.3 5.1 4.9 5.6 6.4 8.7 9.0 8.7 8.7 2.1 2.3 3.4

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

			3.65.437	WAIEKI								
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			OVEMBE			ECEMBE			JANUARY	
1 2	16.3 17.2	14.2 15.7	15.3 16.5	15.2 14.7	12.4 12.4	13.8 13.4	17.1 14.5	12.6 12.9	14.2 14.1	14.3 16.3	8.0 9.5	10.5 14.4
2 3 4	17.8 18.2	15.4 16.9	17.1 17.7	15.2 15.1	12.8 12.5	13.9 13.4	14.7	11.5	13.0	16.9 18.1	13.4 14.0	15.7 17.2
5	18.7	16.9	17.7	15.2	12.0	13.3				18.1	14.3	17.4
6	19.0	15.1	16.9	15.3	12.0	13.4	12.4	11.5	11.9	18.1	11.8	17.1
7 8	17.2 16.7	14.6 14.5	15.9 16.0	13.1 15.1	11.2 12.6	12.2 14.3	13.9 14.3	11.1 13.2	12.2 14.1	15.1 15.7	11.8 13.2	13.2 14.0
9	16.7	16.2	16.5	15.5	13.1	15.1	14.3	9.8	11.7	14.3	13.1	13.8 14.2
10	16.6	15.1	16.3	15.4	13.6	14.8	13.3	11.5	12.5	15.1	13.3	
11 12	16.1 15.5	14.6 14.7	15.2 15.2	14.5 15.8	12.4 10.4	13.6 13.6	13.9	12.1	13.0	15.5 15.6	14.4 11.6	15.3 14.3
13	16.2	15.3	15.6	17.0	10.2	12.3				15.0	13.8	14.7
14 15	16.5 17.0	15.3 15.6	16.0 16.5	18.0 17.8	14.9 17.0	17.0 17.5				15.1 14.9	13.4 11.0	14.6 12.3
16	17.5	15.3	16.3	17.1	15.3	16.3				11.8	11.2	11.6
17 18	16.8 15.5	15.1 15.1	16.0 15.2	17.5 14.8	11.7 11.5	15.5 12.3	12.5 8.8	8.6 7.6	10.4 8.2	11.8 13.0	11.1 10.6	11.5 11.7
19	18.4	15.5	17.1	17.5	11.8	14.8	11.8	7.5	10.2	14.3	11.5	12.2
20	18.6	15.5	18.0	18.1	16.9	17.6	10.8	8.6	9.0			
21 22	18.8 19.6	13.0 16.6	17.7 18.6	18.2 18.4	16.1 15.9	17.6 17.0	12.7 13.6	8.3 9.6	9.6 12.0	12.8 11.3	10.9 10.6	11.9 10.9
23	18.6	15.9	17.7	15.9	12.8	14.1	14.4	9.1	13.0	11.2	9.5	10.6
24 25	17.3 12.8	11.9 12.0	14.9 12.6	15.6 17.7	13.2 14.1	14.3 16.1	14.3 10.2	5.1 6.9	11.5 8.5	11.7 12.4	9.8 10.8	11.1 11.5
26	13.3	12.7	13.0	18.3	16.1	17.6	9.2	8.6	8.9	12.8	11.9	12.6
27 28	13.8 14.0	13.0 13.1	13.3 13.5	18.2 18.6	13.3 11.1	16.0 14.3	9.7 12.4	8.0 9.1	8.8 11.3	12.8 12.6	10.2 10.7	10.8 11.7
29	13.6	13.2	13.5	18.8	10.8	17.4	14.6	10.9	12.7	12.8	11.5	12.3
30 31	13.5 13.6	12.2 12.6	13.1 13.2	18.3	15.4	16.9	13.5 14.2	12.1 11.9	12.6 13.0	12.7 11.8	11.1 10.2	11.7 10.9
MONTH	19.6	11.9	15.8	18.8	10.2	15.0						
		FEBRUAR	Y		MARCH			APRIL			MAY	
1		FEBRUARY		7.8	MARCH 2.6	5.8	3.6	APRIL 0.06	1.4	4.5	MAY 2.1	3.6
1 2 2	14.9 15.5	11.1 12.2	13.3 14.8	7.8	2.6	5.8	3.6 3.3	0.06 0.09	1.4 1.0	4.5 6.0	2.1 0.1	3.6 2.4
2 3 4	14.9 15.5 15.5 15.1	11.1 12.2 14.7 12.0	13.3 14.8 15.2 14.0	9.5 5.2	2.6 2.6 2.1	7.9 2.8	3.3 4.0 3.7	0.06 0.09 0.2 0.2	1.0 1.6 1.3	6.0 6.5 6.4	2.1 0.1 0.5 0.5	2.4 4.0 1.2
2 3 4 5	14.9 15.5 15.5	11.1 12.2 14.7	13.3 14.8 15.2	9.5	2.6 2.6	7.9	3.3 4.0	0.06 0.09 0.2 0.2 0.2	1.0 1.6 1.3 0.5	6.0 6.5 6.4 0.9	2.1 0.1 0.5 0.5 0.5	2.4 4.0 1.2 0.6
2 3 4 5	14.9 15.5 15.5 15.1 14.5	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6	2.6 2.6 2.1 1.8	7.9 2.8 4.9	3.3 4.0 3.7 1.1	0.06 0.09 0.2 0.2 0.2	1.0 1.6 1.3 0.5	6.0 6.5 6.4 0.9	2.1 0.1 0.5 0.5 0.5	2.4 4.0 1.2 0.6
2 3 4 5 6 7 8	14.9 15.5 15.5 15.1 14.5	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7	2.6 2.6 2.1 1.8 2.0	7.9 2.8 4.9	3.3 4.0 3.7 1.1 1.4 1.8 0.7	0.06 0.09 0.2 0.2 0.2 0.4 0.3	1.0 1.6 1.3 0.5 1.0 0.8 0.4	6.0 6.5 6.4 0.9 2.7 5.3 7.1	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9	2.4 4.0 1.2 0.6 1.0 3.9 5.7
2 3 4 5 6 7 8	14.9 15.5 15.5 15.1 14.5	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6	2.6 2.6 2.1 1.8 2.0 3.1	7.9 2.8 4.9 6.4 6.7	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5	6.0 6.5 6.4 0.9 2.7 5.3	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4
2 3 4 5 6 7 8 9	14.9 15.5 15.5 15.1 14.5	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7 8.9 9.5	2.6 2.6 2.1 1.8 2.0 3.1 1.4	7.9 2.8 4.9 6.4 6.7 7.5	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.1 7.0	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4
2 3 4 5 6 7 8 9 10	14.9 15.5 15.5 15.1 14.5	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4
2 3 4 5 6 7 8 9 10 11 12 13 14	14.9 15.5 15.5 15.1 14.5	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8	2.6 2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.1 7.0 7.6 8.2 8.4 5.1	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2
2 3 4 5 6 7 8 9 10 11 12 13 14 15	14.9 15.5 15.5 15.1 14.5	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9
2 3 4 5 6 7 8 9 10 11 12 13 14 15	14.9 15.5 15.5 15.1 14.5 	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.05	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15	14.9 15.5 15.5 15.1 14.5 	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.1	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.10	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.04 0.04	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0
2 3 4 5 6 7 8 9 10 11 12 13 14 15	14.9 15.5 15.5 15.1 14.5 	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.05	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.9
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	14.9 15.5 15.5 15.1 14.5 	11.1 12.2 14.7 12.0 10.3	13.3 14.8 15.2 14.0 12.8	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8 2.0	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.1 0.3	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0 1.2	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.1	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.04 0.04	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05 0.05 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2	2.1 0.1 0.5 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5 3.5 3.5	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.9 4.0 3.7
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	14.9 15.5 15.5 15.1 14.5 12.1 12.0	11.1 12.2 14.7 12.0 10.3 10.0 4.9	13.3 14.8 15.2 14.0 12.8 -	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8 2.0 1.7	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.3 0.5 0.6 0.5	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0 1.2 0.8	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.1 0.06 0.1 0.10	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.09 0.05 0.05 0.04 0.04 0.04 0.04	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05 0.05 0.05 0.05 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2 4.3 4.2 4.3	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5 3.7 3.7 3.7	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.7 4.1 4.2 3.8
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	14.9 15.5 15.5 15.1 14.5 	11.1 12.2 14.7 12.0 10.3 10.0 4.9 1.8 3.7	13.3 14.8 15.2 14.0 12.8 11.8 10.6 4.0 5.1	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8 2.0 1.7 1.3 1.2 6.2	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.1 0.3 0.5 0.6 0.5 0.4 0.4	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0 1.2 0.8	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.1 0.10 0.2 0.4 2.0 2.0	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.04 0.04 0.04 0.04 0.04 0.04 0.04	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05 0.05 0.05 0.05 0.05 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2 4.3 4.5 4.4 4.0 3.8	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5 3.7 3.7 3.7 3.7 3.7 3.7 3.7	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.7 4.1 4.2 3.8 3.7 3.2
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	14.9 15.5 15.5 15.1 14.5 12.1 12.0 9.0 6.8 4.9	11.1 12.2 14.7 12.0 10.3 10.0 4.9 1.8 3.7 3.1	13.3 14.8 15.2 14.0 12.8 11.8 10.6 4.0 5.1 3.8	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8 2.0 1.7 1.3 1.2 6.2 1.0	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.3 0.5 0.6 0.5 0.4 0.4 0.1	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0 1.2 0.8 1.1 2.7 0.6 0.5	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.1 0.06 0.1 0.10 0.2 0.4 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 4.0 3.0 4.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05 0.05 0.05 0.05 0.06 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2 4.3 4.4 4.0 3.8 3.5	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5 3.7 3.7 3.7 3.7 3.4 3.0 2.9 2.4	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.7 4.1 4.2 3.8 3.7 3.2 3.0
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	14.9 15.5 15.5 15.1 14.5 	11.1 12.2 14.7 12.0 10.3 10.0 4.9 1.8 3.7 3.1	13.3 14.8 15.2 14.0 12.8 11.8 10.6 4.0 5.1 3.8 3.2	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8 2.0 1.7 1.3 1.2 6.2 1.2	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.1 0.3 0.5 0.6 0.5 0.4 0.4 0.1 0.10	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0 1.2 0.8 1.0 1.1 2.7 0.6 0.5	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.1 0.06 0.1 0.10 0.2 0.4 2.0 2.0 2.0 2.0 2.0	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05 0.05 0.05 0.05 0.05 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2 4.3 4.5 4.4 4.0 3.8 3.5	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5 3.7 3.7 3.4 3.0 2.9 2.4	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.9 4.0 3.7 4.1 4.2 3.8 3.7 3.2 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0
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	14.9 15.5 15.5 15.1 14.5 12.1 12.0 9.0 6.8 4.9 5.1	11.1 12.2 14.7 12.0 10.3 10.0 4.9 1.8 3.7 3.1 2.9 2.5 1.8	13.3 14.8 15.2 14.0 12.8 11.8 10.6 4.0 5.1 3.8 3.2 3.2 3.2	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8 2.0 1.7 1.3 1.2 6.2 1.2 1.0	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.1 0.3 0.5 0.6 0.5 0.4 0.4 0.1 0.10 0.2 0.05	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0 1.2 0.8 1.0 1.1 2.7 0.6 0.5	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.1 0.06 0.1 0.10 0.2 0.4 2.0 2.0 2.0 2.0 2.0 2.0 2.0 4.0 2.0 4.0 2.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.09 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05 0.05 0.05 0.05 0.05 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2 4.3 4.5 4.4 4.0 3.8 3.5 3.5	2.1 0.1 0.5 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5 3.2 3.7 3.7 3.4 3.0 2.9 2.4	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.7 4.1 4.2 3.8 3.7 3.1 3.2 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0
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	14.9 15.5 15.5 15.1 14.5 	11.1 12.2 14.7 12.0 10.3 10.0 4.9 1.8 3.7 3.1 2.9 2.5	13.3 14.8 15.2 14.0 12.8 11.8 10.6 4.0 5.1 3.8 3.2 3.2	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8 2.0 1.7 1.3 1.2 6.2 1.2 1.0 0.7 0.5 0.3 0.06 0.1	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.1 0.3 0.5 0.6 0.5 0.4 0.4 0.1 0.10 0.2 0.05 0.05 0.05	7.9 2.8 4.9 2.8 4.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0 1.2 0.8 1.1 2.7 0.6 0.5 0.3 0.4 0.1 0.05 0.06	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.1 0.06 0.1 0.10 0.2 0.4 2.0 2.0 2.6 0.2 4.4 4.4 4.6 4.3	0.06 0.09 0.2 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.06 0.1 0.08 0.07 0.08	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05 0.05 0.05 0.05 0.05 0.05 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2 4.3 4.2 4.3 3.5 3.5 3.4 3.5 1.5 2.5 1.9	2.1 0.1 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5 3.2 3.7 3.7 3.4 3.0 2.9 2.4 1.3 1.1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.9 4.0 3.7 4.1 4.2 3.8 3.7 4.1 4.2 3.8 3.7 4.1 4.2 3.8 3.7 4.1 4.2 3.0 5.7 4.1 4.1 5.7 5.7 6.4 5.7 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.4
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	14.9 15.5 15.5 15.1 14.5 12.1 12.0 9.0 6.8 4.9 3.7 3.9 5.1	11.1 12.2 14.7 12.0 10.3 10.0 4.9 1.8 3.7 3.1 2.9 2.5 1.8	13.3 14.8 15.2 14.0 12.8 11.8 10.6 4.0 5.1 3.8 3.2 3.2 3.2	9.5 5.2 7.6 9.7 8.9 9.5 3.8 5.5 5.8 7.8 4.8 3.9 3.8 2.0 1.7 1.3 1.2 6.2 1.0 0.7 0.5 0.3 0.06	2.6 2.1 1.8 2.0 3.1 1.4 0.7 0.6 3.6 2.2 2.0 0.7 2.1 0.1 0.3 0.5 0.6 0.5 0.4 0.4 0.1 0.10 0.2 0.05 0.05	7.9 2.8 4.9 6.4 6.7 7.5 1.9 3.3 4.8 3.0 3.8 2.3 2.8 1.0 1.2 0.8 1.1 2.7 0.6 0.5	3.3 4.0 3.7 1.1 1.4 1.8 0.7 1.4 1.7 0.8 0.4 0.2 0.10 0.06 0.10 0.06 0.1 0.10 0.2 0.4 2.0 2.0 2.6 0.2 4.0 4.4 4.6	0.06 0.09 0.2 0.2 0.2 0.4 0.3 0.2 0.07 0.07 0.06 0.06 0.09 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04	1.0 1.6 1.3 0.5 1.0 0.8 0.4 0.5 1.1 0.3 0.2 0.1 0.07 0.05	6.0 6.5 6.4 0.9 2.7 5.3 7.1 7.0 7.6 8.2 8.4 5.1 4.1 4.2 4.3 4.2 4.3 4.5 4.4 4.0 3.8 3.5 1.5 2.5	2.1 0.1 0.5 0.5 0.5 0.5 0.5 2.1 3.9 3.5 5.1 6.0 4.4 4.3 3.6 3.7 3.8 3.3 3.5 3.7 3.7 3.8 3.3 3.5 3.7 3.7 3.9 3.5 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	2.4 4.0 1.2 0.6 1.0 3.9 5.7 6.4 6.4 7.1 7.4 6.0 4.2 3.9 4.0 3.7 4.1 4.2 3.8 3.7 3.2 3.0 3.0 1.8 0.9 1.3

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	ЕРТЕМВІ	ER
1 2 3 4 5	0.5 0.4 0.05 0.05 0.05	0.04 0.05 0.04 0.04 0.04	0.1 0.1 0.05 0.04 0.05	6.0 6.7 2.7 4.6 5.9	2.8 2.5 2.1 2.3 2.9	4.2 4.2 2.3 3.5 4.2	11.1 11.4 11.6 12.0 12.1	8.8 8.8 9.5 8.6 9.7	10.0 10.1 10.9 11.2 11.6	14.2 13.7 14.2 14.3 14.6	13.3 13.2 12.6 12.0 13.1	13.9 13.4 13.5 13.9 14.3
6 7 8 9 10	0.07 0.06 0.05 1.7 1.3	0.04 0.04 0.04 0.04 0.06	0.05 0.05 0.05 0.2 0.3	6.0 6.0 5.7 5.7 5.9	3.6 4.5 3.8 4.3 2.0	4.8 5.3 4.7 5.4 4.9	13.1 13.0 13.1 11.7 9.1	11.2 9.7 10.8 3.4 2.8	12.4 12.0 12.2 7.5 5.6	14.7 14.5 13.1 9.8 9.6	5.3 6.6 6.1 8.1 8.0	13.3 9.1 7.6 9.1 9.2
11 12 13 14 15	2.1 3.5 5.3 6.0 6.2	0.05 0.06 0.06 3.5 3.9	0.2 0.9 3.4 5.3 5.6	5.2 4.7 4.6 4.0 3.4	2.4 2.8 1.7 1.7 2.5	3.8 3.6 3.5 2.9 2.9	12.6 13.3 12.7 13.3 13.5	1.1 4.6 2.7 3.2 9.0	6.8 10.7 9.7 8.0 12.3	9.2 9.7 9.5 9.2	8.6 8.6 8.8	8.7 9.3 9.1 9.0
16 17 18 19 20	6.0 2.2 3.0 3.2 4.1	1.0 0.7 0.8 2.0 2.5	2.9 1.3 1.7 2.7 3.5	3.9 5.3 6.9 7.3 7.5	2.5 3.2 5.3 5.3 5.1	3.3 4.3 6.2 6.5 7.1	13.8 13.9 13.9 12.8 4.4	10.5 10.9 12.4 4.3 2.7	12.2 12.8 13.3 9.7 3.7	 8.6	 7.6	 8.1
21 22 23 24 25	4.9 5.1 4.7 4.9 4.8	0.5 1.2 2.0 2.0 3.9	2.5 3.5 3.9 3.9 4.5	7.0 6.5 7.1 7.3 8.4	4.2 0.6 0.3 0.4 7.1	5.8 3.8 2.4 5.5 7.5	3.7 5.7 13.1 12.6 3.5	1.4 2.2 4.2 1.2 1.2	2.4 3.7 7.8 5.8 1.7	8.6 8.0 7.3 7.4 7.1	7.5 6.2 5.4 5.3 4.5	8.2 7.3 6.5 6.4 6.1
26 27 28 29 30 31	5.1 5.3 5.2 4.9 4.1	4.5 4.2 3.9 3.3 3.0	4.9 5.1 4.9 4.3 3.7	7.8 8.8 9.4 9.3 8.8 10.8	5.1 6.5 6.0 7.5 6.6 7.1	6.8 7.6 8.7 8.7 8.1 9.7	6.8 13.3 13.9 13.7 14.0 14.2	1.8 5.9 11.3 12.6 12.8 13.1	4.2 10.9 13.3 13.5 13.6 13.8	7.0 6.8 6.7 6.6 3.8	6.3 5.7 3.8 3.4 3.6	6.8 6.6 5.7 4.3 3.7
MONTH	6.2	0.04	2.3	10.8	0.3	5.2	14.2	1.1	9.5			

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBE		D	ECEMBE			JANUARY	
1 2 3 4 5	8.1 7.9 8.0 8.0 8.0	7.6 7.6 7.4 7.3 7.1	7.8 7.8 7.7 7.5 7.5	8.0 8.0 8.1 8.2 8.2	7.8 7.8 7.8 7.9 7.9	7.9 7.9 8.0 8.1 8.0	7.5 7.6 7.7 	7.2 7.2 7.2 	7.3 7.4 7.4 	8.5 8.1 8.4 7.8 8.2	8.0 7.5 7.0 7.1 7.3	8.2 7.9 7.7 7.5 7.7
6 7 8 9 10	8.0 8.1 8.3 8.1 8.2	7.3 7.4 7.8 7.8 7.8	7.8 7.7 8.1 8.0 8.0	8.1 8.0 8.1 8.0 7.9	7.5 7.7 7.7 7.5 7.4	7.9 7.9 7.9 7.8 7.6	7.7 7.8 8.0 7.9 7.8	7.4 7.5 7.7 7.7 7.7	7.6 7.7 7.8 7.8 7.8	8.4 7.6 7.8 8.2 8.3	7.1 7.1 7.4 7.6 7.8	7.7 7.4 7.6 7.9 8.0
11 12 13 14 15	8.0 7.8 8.0 8.1 8.1	7.8 7.7 7.6 7.7 7.8	7.9 7.7 7.8 8.0 8.0	8.0 8.1 7.9 7.8 7.8	7.5 7.3 7.7 7.6 7.6	7.8 7.8 7.8 7.7 7.7	7.8 	7.6 	7.6 	8.3 8.1 8.3 8.2 8.2	7.5 7.2 7.9 7.9 7.8	7.8 7.7 8.1 8.1 8.0
16 17 18 19 20	8.0 7.9 8.0 7.9 8.0	7.7 7.5 7.7 7.8 7.4	7.9 7.8 7.9 7.8 7.7	8.1 8.1 8.0 8.0 7.7	7.6 7.5 7.6 7.4 7.4	7.8 7.9 7.8 7.7 7.5	8.4 8.5 8.5 8.4	8.0 8.2 8.0 7.8	8.2 8.3 8.4 8.0	8.2 8.0 8.0 8.1	7.8 7.7 7.7 7.8	8.0 7.9 7.8 7.9
21 22 23 24 25	7.8 7.8 7.9 8.0 8.0	7.3 7.4 7.6 7.6 7.9	7.6 7.6 7.7 7.9 7.9	7.9 8.0 7.8 7.8 7.9	7.4 7.3 7.5 7.4 7.3	7.6 7.5 7.6 7.6 7.7	8.4 8.4 8.3 8.3 7.8	7.9 8.2 8.1 7.4 7.5	8.1 8.3 8.2 7.9 7.7	7.9 7.9 7.9 7.6 7.6	7.8 7.8 7.5 7.5 7.4	7.9 7.8 7.7 7.5 7.5
26 27 28 29 30 31	8.2 8.2 8.1 8.1 8.1 8.0	7.9 7.9 7.8 7.9 7.9 7.8	8.0 8.1 8.0 8.0 7.9 7.9	8.1 7.8 7.6 7.5 7.5	7.6 7.2 7.1 7.2 7.0	7.9 7.5 7.2 7.3 7.2	8.1 8.2 8.2 8.5 8.7 8.8	7.7 7.6 7.5 7.4 8.0 8.4	7.8 7.8 7.9 8.0 8.5 8.6	7.6 7.6 7.6 7.6 7.7 7.7	7.5 7.5 7.4 7.5 7.6 7.5	7.6 7.5 7.5 7.6 7.6 7.6
MONTH	8.3	7.1	7.8	8.2	7.0	7.7						
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	7.7 7.9 8.0 7.9 7.9	7.5 7.6 7.8 7.2 7.6	7.6 7.8 7.9 7.5 7.8	8.7 7.9 8.1 8.3	7.6 7.2 7.4 7.2	8.1 7.4 7.7 7.8	7.2 7.2 7.0 7.0 7.0	6.9 6.8 6.9 6.9 6.9	7.1 7.1 7.0 7.0 7.0	7.2 7.6 7.3 7.4 7.7	6.8 6.8 7.0 7.1 7.2	7.0 7.1 7.2 7.2 7.4
6 7 8 9 10	 	 	 	7.8 7.5 7.5	7.3 6.8 6.9	7.5 7.2 7.1	7.2 7.2 7.2 7.3 7.3	7.0 7.1 7.1 7.2 7.2	7.1 7.1 7.1 7.2 7.3	7.4 7.5 7.5 7.5 7.7	6.9 6.9 7.1 7.0 7.0	7.1 7.2 7.3 7.1 7.2
11 12 13 14 15	 	 	 	7.4 7.0 7.4 7.4 7.3	7.0 6.9 6.8 7.1 7.0	7.2 6.9 7.0 7.2 7.1	7.2 7.2 7.2 7.1 6.8	7.1 7.2 7.1 6.8 6.6	7.2 7.2 7.2 7.0 6.7	7.2 7.4 7.5 8.6 8.4	6.5 6.5 6.8 6.7 8.1	6.8 6.8 7.1 7.6 8.3
16 17 18 19 20	 	 	 	7.0 6.8 6.8 7.3 7.2	6.6 6.6 6.7 6.7 6.9	6.8 6.7 6.7 7.0 7.0	6.9 6.8 6.6 6.9 6.9	6.4 6.4 6.4 6.5	6.6 6.5 6.5 6.6 6.6	9.0 8.6 8.3 8.2 8.4	8.1 7.9 7.6 7.4 7.6	8.5 8.2 7.9 7.8 8.0
21 22 23 24 25	8.6 7.7 7.6 7.7 8.0	7.3 6.9 7.2 7.4 7.4	7.7 7.3 7.3 7.5 7.7	7.0 7.2 7.1 7.4 7.5	6.9 7.0 7.0 6.9 6.7	7.0 7.1 7.0 7.1 7.2	6.6 6.5 6.7 6.8 6.8	6.5 6.4 6.4 6.6 6.7	6.5 6.4 6.6 6.7 6.8	8.6 8.5 8.2 8.5 8.4	8.0 8.1 7.6 7.5 7.3	8.2 8.3 7.8 7.7 7.7
26 27 28 29 30	8.0 7.9 8.4 	7.6 7.6 7.4 	7.8 7.7 7.8 	7.2 7.3 7.0 6.8 7.0	6.7 6.8 6.7 6.6 6.6	6.8 7.0 6.8 6.7 6.7	6.8 6.8 7.0 7.2 7.0	6.7 6.7 6.8 6.8 6.7	6.8 6.8 6.8 6.9	7.9 7.7 7.1 7.3 7.1	7.1 7.1 6.9 6.8 6.7	7.3 7.4 7.0 6.9 6.8
31 MONTH				7.2	7.0	7.1	7.3	6.4	6.9	6.8 9.0	6.6 6.5	6.8 7.4

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	EPTEMBI	ER
1 2 3 4 5	7.0 6.8 6.7 6.6 6.5	6.6 6.7 6.5 6.4 6.4	6.7 6.7 6.6 6.4 6.5	8.2 7.8 7.9 8.5 8.0	7.7 7.2 7.0 7.3 7.3	7.9 7.4 7.4 7.9 7.7	 	 	 	8.1 8.0 8.3 7.9 7.9	7.1 7.2 7.1 7.1 7.1	7.5 7.6 7.6 7.5 7.5
6 7 8 9 10	7.0 6.6 6.5 6.7 6.8	6.4 6.3 6.3 6.3 6.4	6.6 6.4 6.4 6.4 6.6	8.3 7.5 8.8 8.3 7.9	7.3 7.0 6.9 6.9 7.0	7.7 7.2 7.5 7.6 7.2	 	 	 	7.9 7.9 7.9 7.9 7.5	7.4 7.3 7.4 7.4 6.9	7.6 7.6 7.7 7.6 7.3
11 12 13 14 15	7.0 7.0 6.9 7.2 7.6	6.5 6.6 6.6 6.8 7.0	6.7 6.8 6.8 7.0 7.2	7.4 7.7 7.8 7.3 8.8	7.0 7.1 7.1 7.0 7.0	7.2 7.3 7.3 7.1 7.4	8.4 8.4 8.2	7.6 7.4 6.9	7.9 8.0 7.4	7.5 8.0 8.0 7.9	7.1 7.2 7.4 7.1	7.3 7.5 7.7 7.5
16 17 18 19 20	7.7 7.7 8.0 8.3 7.7	7.2 7.3 7.4 7.3 7.3	7.3 7.5 7.6 7.6 7.5	7.4 7.8 8.2 7.6 8.1	7.0 6.9 7.0 6.9 7.0	7.1 7.2 7.3 7.1 7.3	7.6 7.7 7.3 7.5 7.3	6.8 6.8 6.9 6.6	7.1 7.1 7.0 7.0 6.8	 	 	
21 22 23 24 25	7.6 8.3 8.7 8.9 9.0	7.4 7.6 7.9 8.4 7.3	7.5 7.9 8.2 8.5 8.4	7.4 8.1 7.4 7.7 7.7	7.0 6.8 7.0 7.1 7.1	7.1 7.1 7.1 7.3 7.3	6.7 6.8 6.8 7.0 7.3	6.5 6.6 6.7 6.7	6.6 6.7 6.8 6.8 7.0	 	 	
26 27 28 29 30 31	8.8 8.6 8.6 8.7 8.6	7.1 7.1 7.4 7.5 7.7	7.9 7.8 7.9 7.9 8.1	8.3 7.6 7.2 7.9	7.3 7.0 7.0 7.0 	7.7 7.3 7.0 7.3 	7.6 7.2 7.0 7.0 7.1 7.8	6.8 6.7 6.7 6.7 6.8 6.9	7.0 6.9 6.8 6.8 6.9 7.1	8.4 8.0 7.7 8.6	6.9 7.1 7.3 7.5	7.5 7.5 7.4 7.8
MONTH	9.0	6.3	7.2									

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAW	3.4.37	MDI	MEAN				MAN		MEAN	3.4.37	MIN	MEAN
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			OVEMBE			DECEMBE			JANUARY	
1 2	7.8 7.7	7.3 7.2	7.6 7.5	7.9 7.9	7.6 7.6	7.7 7.8	7.4 7.4	7.1 7.0	7.2 7.2	8.2 7.4	7.1 7.0	7.7 7.1
3 4	7.8 7.3	7.0 7.0	7.3 7.1	8.0 8.4	7.6 7.7	7.8 8.0	7.6	7.0	7.3	7.0 7.3	6.9 7.0	7.0 7.2
5	7.2	6.8	6.9	8.4	7.6	8.2				7.2	7.0	7.2
6	7.7	6.8	7.2	8.4	6.1	7.6	7.6	7.4	7.5	7.2	7.0	7.0
7 8	7.8 7.9	7.0 7.3	7.5 7.8				7.6 7.6	7.4 7.5	7.5 7.5	7.5 7.8	7.1 7.3	7.3 7.5
9	7.7	7.5	7.6				7.8	7.5	7.7	8.0	7.6	7.7
10	7.6	7.3	7.5				7.7	7.4	7.6	7.9	7.2	7.5
11 12	7.6 7.6	7.4 7.2	7.5 7.4				7.6 	7.2	7.5	7.4 8.0	7.0 6.9	7.2 7.4
13	7.5	7.4	7.4							7.9	7.2	7.4
14 15	7.6 7.6	7.3 7.4	7.5 7.5							7.6 7.9	7.0 6.8	7.2 7.6
16	7.5	7.3	7.4							8.3	7.7	8.0
17 18	7.9 8.1	7.4	7.6 8.0				8.1 8.5	7.3	7.8	8.1 8.1	7.9 7.7	8.0 7.9
19	8.0	7.8 7.6	7.7				8.5	8.1 7.3	8.3 7.8	8.1	7.6	8.0
20	7.9	7.3	7.5				8.2	7.5	8.0			
21 22	7.7 7.9	7.1 7.3	7.4 7.4				8.4 8.3	7.4 7.3	8.0 7.8	8.0 7.9	7.7 7.8	7.9 7.9
23	7.8	7.5	7.7				8.4	7.4	7.7	7.9	7.6	7.8
24 25	8.0 8.0	7.4 7.8	7.7 7.9				8.2 8.2	7.5 7.7	7.8 7.9	7.7 7.6	7.6 7.5	7.6 7.5
26	8.2	7.8	8.0	7.2	6.7	6.9	8.1	7.8	7.9	7.6	7.5	7.6
27	8.2	7.8	8.0	7.6	6.5	7.1	8.0	7.5	7.8	7.6	7.5	7.6
28 29	8.2 8.1	7.7 7.9	8.0 8.0	7.8 7.4	6.9 6.9	7.2 7.0	7.9 7.9	7.6 7.6	7.7 7.7	7.6 7.6	7.4 7.5	7.5 7.6
30 31	8.0 7.9	7.8 7.7	7.9 7.8	7.3	6.9	7.1	7.6 7.5	7.4 7.3	7.5 7.4	7.7 7.7	7.5 7.4	7.6 7.6
MONTH	8.2	6.8	7.6				7.5	7.5	7. 4 		/. 	7.0
MONTH		EBRUARY			MARCH			APRIL			MAY	
1	7.6	7.2	7.3	7.9	7.0	7.3	7.0	6.7	6.9	6.8	6.7	6.7
1 2	7.6	7.2	7.3	7.9			7.0	6.7	7.0	7.3	6.6	6.9
3 4	7.4 7.5	7.2 7.2	7.3 7.3	8.0 8.2	6.9 7.2	7.0 7.7	7.1 7.0	6.8 6.7	6.9 6.9	7.6 7.6	6.7 6.7	7.0 7.3
5	7.9	7.3	7.6	8.1	6.8	7.3	7.1	6.8	7.0	7.7	7.3	7.5
6	8.0	7.6	7.8				7.3	7.0	7.2	7.6	6.8	7.3
7 8				7.3	6.8	7.0	7.3 7.2	7.1 7.1	7.2 7.1	7.0 7.0	6.7 6.8	6.8 6.9
9 10				7.1	6.8	6.9	7.3	7.2	7.2	7.0	6.7	6.8
				7.5	6.8	7.0	7.3	7.2	7.3	6.8	6.7	6.7
11 12				7.7 7.2	7.2 6.9	7.4 7.0	7.2 7.3	7.1 7.2	7.2 7.2	6.8 7.4	6.7 6.6	6.8 6.7
13 14				7.4 7.3	6.9 7.0	7.1 7.2	7.2 7.1	7.0 6.7	7.2 7.0	7.9 8.4	6.6 7.1	7.2 7.6
15				7.3	6.7	7.0	6.8	6.5	6.6	8.3	7.3	8.0
16				7.1	6.7	6.8	6.8	6.5	6.6	8.7	7.5	8.1
17 18				7.1 7.1	6.9 6.6	7.0 6.9	6.9 6.9	6.6 6.7	6.7 6.7	8.4 8.1	7.5 7.4	7.9 7.8
19				7.4	6.7	7.1	7.2	6.7	6.9	8.0	7.2	7.7
20		7.1		7.2	6.7	7.0	7.2	6.8	6.8	8.1	7.4	7.7
21 22	7.5 7.4	7.1 6.9	7.1 7.1	7.1 7.0	6.8 6.9	7.0 6.9	6.8 6.8	6.5 6.6	6.7 6.7	8.0 8.2	7.2 6.9	7.6 7.7
23 24	7.3 7.5	6.9 7.1	7.1 7.3	7.1 7.4	6.6 6.9	6.8 7.1	6.9 7.0	6.6 6.6	6.8 6.8	8.0 7.6	6.9 7.0	7.6 7.3
25	7.8	7.3	7.5	7.3	6.7	7.1	7.0	6.7	6.9	7.0	6.8	6.9
26	7.8	7.4	7.6	7.2	6.6	6.8	7.0	6.9	6.9	7.0	6.7	6.8
27 28	8.0 8.0	7.5 7.2	7.6 7.5	7.2 7.0	6.7 6.8	6.9 6.8	7.1 6.8	6.6 6.7	6.9 6.8	7.5 7.0	6.6 6.8	7.1 7.0
29				6.8	6.7	6.7	6.9	6.7	6.8	7.1	6.6	6.7
30 31				7.0 7.1	6.7 6.7	6.8 7.0	6.8	6.7	6.7	7.4 7.2	6.6 6.8	7.0 6.9
MONTH							7.3	6.5	6.9	8.7	6.6	7.2

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	ЕРТЕМВІ	ER
1 2 3 4 5	7.1 6.9 6.8 6.6 6.6	6.8 6.8 6.5 6.5 6.4	6.9 6.8 6.7 6.6 6.5	7.1 7.5 8.0 7.9 7.8	6.8 7.0 7.2 7.0 6.9	7.0 7.2 7.5 7.3 7.1	 	 	 	7.2 7.3 7.6 7.8 7.9	7.1 7.2 7.2 7.3 7.4	7.2 7.2 7.3 7.5 7.5
6 7 8 9 10	6.5 6.4 6.4 6.3 6.7	6.3 6.2 6.2 5.9 6.0	6.4 6.3 6.3 6.2 6.4	7.1 7.1 7.5 7.0 7.1	6.7 6.8 6.8 6.8 6.8	6.9 6.9 7.0 6.9 6.9	 	 	 	7.7 8.0 8.4 8.6 8.3	7.2 7.2 7.4 7.9 7.9	7.4 7.6 8.1 8.2 8.1
11 12 13 14 15	6.9 6.8 6.8 6.5 6.7	6.2 6.2 6.2 6.3 6.4	6.6 6.5 6.4 6.4 6.5	7.3 7.3 7.4 7.1 7.0	6.8 6.8 6.8 6.9	7.1 7.1 6.9 7.0 6.9	7.7 7.4 7.3	7.0 7.0 7.0 7.0	7.3 7.2 7.3	8.3 8.6 8.6 8.2	8.0 8.1 7.9 7.7	8.1 8.2 8.2 8.0
16 17 18 19 20	7.3 7.6 7.6 7.5 7.2	6.5 7.1 7.2 6.9 6.9	6.8 7.4 7.4 7.2 7.0	6.9 6.9 7.0 7.0 7.0	6.8 6.9 6.9 6.9	6.9 6.9 6.9 7.0 7.0	7.4 7.4 7.2 8.2 8.0	6.9 7.0 7.2 7.0 4.9	7.2 7.2 7.2 7.2 6.5	 7.2	 6.9	 7.0
21 22 23 24 25	7.4 7.8 7.2 7.3 6.8	7.0 7.0 6.8 6.8 6.8	7.1 7.2 7.0 6.9 6.8	7.0 8.0 7.5 7.5 7.0	6.9 6.9 7.0 6.9 6.9	7.0 7.2 7.1 7.0 7.0	5.4 6.2 6.8 6.7 6.6	4.3 5.2 5.9 6.3 6.2	4.7 6.0 6.4 6.5 6.4	7.0 6.8 6.9 6.9 7.1	6.8 6.7 6.7 6.7	6.9 6.7 6.7 6.7 6.8
26 27 28 29 30 31	6.9 7.4 7.4 7.1 7.1	6.8 6.8 6.8 6.8	6.8 6.8 6.9 6.9	7.0 7.1 	6.9 6.9 	6.9 6.9 	7.0 7.4 7.4 7.4 7.3 7.2	6.3 6.8 7.2 7.1 7.1 7.1	6.6 7.1 7.3 7.2 7.1 7.2	7.2 6.9 7.2 7.5 8.0	6.8 6.7 6.8 6.9 7.3	6.9 6.8 6.9 7.3 7.5
MONTH	7.8	5.9	6.8									

TEMPERATURE, WATER, DEGREES CELSIUS, TOP WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		1	NOVEMBE	R	D	ECEMBE	R		JANUARY	
1 2 3 4 5	25.8 25.7 25.7 26.8 26.7	25.1 25.2 25.1 25.4 25.7	25.4 25.5 25.4 25.9 26.1	16.6 15.9 15.6 14.5 14.5	15.7 14.9 14.3 13.9 13.9	16.1 15.4 14.6 14.3 14.2	10.6 9.7 9.8 	9.3 8.5 8.8 	10.1 9.2 9.3 	10.0 10.9 10.4 9.7 9.0	8.7 9.6 9.7 8.6 7.8	9.3 10.0 10.2 9.3 8.6
6 7 8 9 10	26.8 26.7 26.5 24.9 24.8	25.8 25.8 24.8 24.3 24.2	26.4 26.3 25.8 24.7 24.6	15.6 14.8 14.8 14.9 16.4	14.2 13.9 13.8 13.6 14.6	15.0 14.3 14.3 14.5 15.4	7.4 7.0 7.5 7.5 7.1	6.8 6.2 6.5 6.9 6.8	7.2 6.6 7.1 7.1 7.0	9.3 8.5 7.2 8.5 8.8	7.9 7.0 6.4 6.9 7.8	8.6 7.7 6.9 7.5 8.2
11 12 13 14 15	24.5 24.4 24.6 24.3 22.7	24.3 24.0 23.7 22.7 21.8	24.4 24.2 23.9 23.6 22.2	17.5 18.3 17.9 15.9 15.9	16.2 16.6 15.9 15.3 15.5	17.0 17.6 16.9 15.6 15.7	7.4 	7.1 	7.2 	8.7 7.6 7.5 7.5 6.7	7.3 6.2 6.5 5.7 5.9	7.7 6.7 6.8 6.3 6.4
16 17 18 19 20	22.3 21.4 21.2 20.4 21.0	21.2 20.6 20.2 20.0 19.4	21.6 20.9 20.5 20.3 20.0	15.9 15.8 15.3 15.0 15.1	15.3 15.3 14.3 13.8 14.2	15.6 15.7 14.7 14.4 14.8	8.5 7.6 8.2 10.1	7.1 6.7 7.0 8.2	7.5 7.1 7.5 9.4	6.3 5.9 5.4 4.9	5.1 5.3 4.3 3.9	5.8 5.7 4.8 4.4
21 22 23 24 25	20.6 20.6 20.2 20.1 18.4	19.2 19.1 18.3 18.1 18.0	19.8 19.7 19.2 18.8 18.2	15.0 15.4 14.3 13.1 13.1	14.3 14.3 12.8 12.0 11.9	14.7 14.9 13.2 12.4 12.6	9.7 10.3 9.8 9.4 9.3	8.8 8.1 8.9 8.9 8.4	9.3 9.1 9.3 9.2 9.1	5.0 4.5 4.1 2.0 2.2	4.3 4.0 2.0 1.1 0.6	4.6 4.3 3.3 1.5 1.3
26 27 28 29 30 31	19.3 19.5 19.5 19.3 19.2 17.9	18.3 18.7 18.7 18.9 17.9 16.5	18.7 19.1 19.1 19.1 18.5 17.1	13.4 12.9 12.0 11.2 12.6	12.4 11.9 10.5 9.8 10.5	12.9 12.5 11.1 10.2 11.6	8.5 7.7 7.9 8.2 8.7 9.4	7.0 6.4 6.3 7.0 7.3 8.1	7.9 6.9 7.2 7.7 7.9 8.5	2.3 2.4 2.5 3.6 4.0 4.4	1.4 1.8 1.2 1.9 3.3 3.9	1.7 2.1 1.9 2.7 3.6 4.1
MONTH	26.8	16.5	22.1	18.3	9.8	14.4						
		FEBRUARY		10.0	MARCH		15.0	APRIL	14.4	22.4	MAY	21.7
1 2 3 4 5	4.9 5.5 7.0 7.1 7.6	4.3 4.1 5.0 4.4 6.6	4.6 4.8 5.7 6.1 7.1	10.9 11.0 10.8 12.3	9.2 9.8 9.8 10.8	9.6 10.3 10.3 11.6	15.3 16.2 17.0 17.5 18.3	13.4 14.2 14.8 15.9 16.9	14.4 15.1 15.9 16.8 17.7	22.4 22.9 22.2 21.0 19.9	21.0 21.5 21.0 19.8 19.0	21.7 21.9 21.6 20.3 19.4
6 7 8 9 10	 	 	 	11.8 12.0 12.6	10.2 10.6 11.2	10.9 11.3 11.8	18.0 17.6 17.0 15.7 14.8	17.2 16.8 15.7 14.8 13.9	17.6 17.2 16.5 15.3 14.2	20.8 22.6 23.5 24.5 26.4	19.4 20.2 21.1 22.8 23.6	20.1 21.3 22.3 23.7 24.6
11 12 13 14 15	 	 	 	12.1 12.4 13.3 13.5 11.8	11.1 11.1 11.8 11.4 11.1	11.4 11.6 12.5 12.1 11.4	14.1 13.9 15.1 15.2 17.5	12.8 12.6 13.3 13.7 14.9	13.6 13.2 13.8 14.4 15.7	25.9 23.8 22.7 23.6 22.8	22.9 21.2 21.8 20.9 22.0	24.4 22.4 22.2 22.1 22.3
16 17 18 19 20	 	 	 	14.0 14.3 14.9 14.7 15.0	11.8 13.0 14.0 14.3 14.4	12.5 13.8 14.5 14.5 14.7	17.8 19.6 18.3 18.5 18.4	15.9 16.6 16.9 17.5 16.9	16.7 17.6 17.7 18.0 17.4	24.3 23.8 21.9 21.0 22.3	21.8 21.9 21.0 20.1 19.7	22.5 22.3 21.5 20.5 20.7
21 22 23 24 25	8.5 10.9 11.0 11.1 11.2	7.7 8.1 10.3 10.2 10.7	8.1 9.2 10.7 10.7 10.9	15.8 17.4 16.6 16.9 17.6	14.6 15.4 16.1 16.0 16.3	15.2 16.0 16.4 16.4 16.9	19.6 19.3 18.5 18.7 18.5	17.2 18.2 17.5 17.4 17.8	17.8 18.6 18.0 17.9 18.1	22.2 22.1 21.8 21.7 23.1	20.7 21.3 20.9 20.9 21.2	21.3 21.7 21.3 21.1 22.0
26 27 28 29 30	10.7 10.0 9.8 	10.0 9.7 9.4 	10.3 9.8 9.6 	18.0 17.8 17.8 18.2 18.4	16.6 17.0 16.6 17.1 16.5	17.3 17.2 17.2 17.7 17.9	19.7 19.2 20.9 21.5 21.6	18.3 18.7 18.7 19.6 20.0	18.7 18.9 19.3 20.5 20.8	23.9 23.7 22.6 22.9 23.9 23.0	21.8 22.4 21.6 21.5 20.8	22.9 23.1 22.1 21.9 21.8 22.3
31 MONTH				16.5	14.7	15.5	21.6	12.6	16.9	26.4	21.3 19.0	21.9

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	ЕРТЕМВІ	ER
1 2 3 4 5	22.0 22.8 22.6 22.8 23.8	20.7 20.9 21.3 22.0 22.3	21.3 21.7 22.1 22.3 22.9	29.2 28.2 27.1 28.4 28.6	28.2 26.4 26.1 26.2 26.5	28.6 27.1 26.6 27.1 27.6	 	 	 	30.4 30.5 30.6 30.0 29.1	28.9 29.0 28.6 28.9 27.7	29.7 29.6 29.3 29.3 28.4
6 7 8 9 10	25.5 24.5 24.6 26.8 26.8	23.2 23.5 23.8 23.9 25.2	23.9 23.9 24.1 24.7 26.0	29.4 29.3 31.0 30.6 29.6	27.5 27.3 27.8 27.5 28.0	28.3 28.5 28.5 28.8 28.6	 	 	 	27.8 26.1 25.2 25.6 25.2	26.0 25.2 24.9 24.7 24.0	26.8 25.4 25.1 25.1 24.5
11 12 13 14 15	27.3 27.6 27.1 28.2 28.4	25.4 26.3 26.5 26.2 26.6	26.3 26.9 26.8 27.1 27.4	29.1 28.8 28.6 27.6 29.6	27.3 27.6 27.5 27.0 26.7	28.3 28.3 27.9 27.2 27.5	28.7 29.7 30.4	27.3 28.0 27.7	27.7 28.4 28.7	24.0 23.4 23.2 23.9	23.1 23.1 22.8 22.6	23.4 23.2 23.0 23.1
16 17 18 19 20	27.9 27.0 27.6 28.1 27.3	26.8 26.4 26.4 26.8 26.5	27.3 26.7 27.0 27.2 26.9	28.7 29.2 28.8 28.1 29.4	27.4 26.5 26.9 26.7 26.4	27.9 27.6 27.8 27.3 27.5	28.7 29.1 28.1 29.3 28.5	27.6 26.6 26.4 27.2 27.1	28.1 27.7 27.4 28.2 28.0	 	 	
21 22 23 24 25	26.9 26.6 27.1 28.3 29.8	25.9 25.3 25.5 26.7 27.2	26.4 25.9 26.2 27.3 28.1	29.1 29.2 28.0 27.6 27.7	27.5 27.1 27.1 26.7 26.5	28.2 28.2 27.5 27.2 26.9	28.5 28.9 28.5 28.8 29.1	26.9 27.3 27.1 27.4 27.4	27.8 28.1 27.8 28.0 28.1	 	 	
26 27 28 29 30 31	28.9 28.7 28.7 29.2 30.3	26.7 26.0 26.7 27.1 27.9	27.8 27.3 27.5 27.9 28.6	29.0 29.4 28.4 29.6	26.9 27.2 26.6 27.1	27.6 28.1 27.5 27.8	29.8 29.6 29.0 29.0 29.3 30.2	27.6 27.1 26.8 26.9 27.5 27.5	28.4 28.0 27.4 27.7 28.1 28.3	25.5 25.9 25.3 23.5	24.6 25.1 23.5 22.7	25.0 25.4 24.1 23.0
MONTH	30.3	20.7	25.9									

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBE	R	D	ECEMBE	R		JANUARY	,
1 2 3 4 5	25.6 25.4 25.5 25.6 25.7	24.8 25.0 24.9 25.3 25.3	25.3 25.2 25.3 25.4 25.4	17.4 17.0 15.9 15.9 15.9	15.9 15.0 14.3 14.1 13.9	16.7 15.5 15.2 14.7 14.6	12.3 10.8 10.8 	9.8 9.2 8.8 	10.4 10.2 9.6 	9.8 9.8 9.0 8.7 8.7	8.1 8.5 8.4 8.3 8.4	8.9 8.7 8.7 8.4 8.5
6 7 8 9 10	26.4 26.4 26.3 24.7 24.5	25.4 25.6 24.6 24.1 24.1	25.9 26.0 25.6 24.5 24.3	16.1 14.7 14.8 15.1 16.1	14.2 14.0 14.2 14.4 14.8	15.3 14.2 14.7 15.0 15.3	7.5 7.8 7.9 7.8 7.8	6.9 6.3 7.3 6.9 6.9	7.2 7.0 7.8 7.2 7.1	8.7 8.4 7.6 8.1 8.2	8.4 7.0 6.3 6.8 7.3	8.6 7.7 6.9 7.2 7.8
11 12 13 14 15	24.5 24.3 24.0 23.9 22.5	24.2 23.9 23.6 22.5 21.6	24.3 24.1 23.7 23.4 22.2	17.4 17.8 17.7 16.0 15.9	15.6 15.9 15.9 15.3 15.6	16.5 16.7 16.8 15.7 15.7	7.9 	7.1 	7.4 	7.8 8.0 8.0 7.9 7.9	7.6 6.5 7.5 7.3 6.2	7.7 7.5 7.9 7.7 6.8
16 17 18 19 20	22.1 21.4 21.2 21.3 21.4	21.2 20.6 20.2 20.2 19.7	21.6 21.0 20.5 20.8 21.1	15.9 16.1 15.5 15.3 15.2	15.6 15.3 14.3 14.4 15.0	15.8 15.8 14.8 15.0 15.1	8.2 7.3 8.6 10.0	7.3 6.7 7.0 8.3	7.8 7.0 7.8 9.3	6.5 5.9 5.5 5.8	5.3 5.5 4.7 4.4	5.9 5.7 5.0 4.8
21 22 23 24 25	21.3 21.2 20.4 19.9 18.5	19.4 19.5 18.5 18.2 18.0	20.9 20.7 19.7 19.1 18.3	15.2 15.4 14.2 14.1 14.2	14.8 14.2 12.9 12.3 12.8	15.1 15.1 13.3 13.2 13.7	9.6 10.0 9.6 9.2 9.2	8.7 8.9 8.9 8.9 8.3	9.2 9.4 9.2 9.1 9.1	5.0 4.5 4.1 2.1 2.3	4.5 4.1 2.0 1.2 1.5	4.7 4.3 3.3 1.6 1.9
26 27 28 29 30 31	19.3 19.4 19.5 19.4 19.2 18.0	18.4 18.8 18.8 19.0 18.0 16.7	18.7 19.1 19.1 19.2 18.7 17.2	14.4 14.4 13.4 13.7 13.7	13.8 12.1 10.9 11.0 11.3	14.1 13.3 11.9 13.1 12.3	8.4 8.1 8.2 8.2 8.2 8.3	7.6 7.5 8.0 7.4 7.9 8.0	7.9 7.8 8.1 8.0 8.0 8.2	2.8 2.8 2.8 3.6 4.1 4.0	2.0 1.8 1.9 2.1 3.4 3.8	2.5 2.2 2.3 2.7 3.7 3.9
MONTH	26.4	16.7	22.1	17.8	10.9	14.8						
		FEBRUARY		10.0	MARCH		15.2	APRIL	14.6	10.7	MAY	10.2
1 2 3 4 5	4.0 4.2 4.1 6.6 7.6	3.4 3.5 3.6 4.0 5.9	3.6 3.7 3.8 5.3 6.5	10.0 10.4 10.6 11.9	9.4 9.8 9.8 10.2	9.7 9.9 10.2 10.6	15.3 16.2 16.9 17.5 18.2	13.6 14.2 14.7 15.2 16.9	14.6 14.8 15.5 16.5 17.4	19.7 21.8 21.5 21.1 19.8	17.4 17.2 17.3 17.6 19.1	18.2 19.8 19.1 20.1 19.4
6 7 8 9 10	7.3 	6.7 	7.0 	10.6 10.5 12.1	10.1 10.1 10.3	10.3 10.3 10.7	18.1 17.5 17.0 15.8 14.9	17.2 16.6 15.8 14.9 14.0	17.6 17.1 16.5 15.3 14.3	20.4 19.6 19.4 21.2 20.1	19.3 18.6 17.9 18.0 18.6	19.8 19.0 18.7 18.9 19.1
11 12 13 14 15	 	 	 	12.1 11.3 11.0 12.3 11.6	11.2 10.9 10.9 10.9 11.0	11.5 11.1 10.9 11.8 11.2	14.3 13.9 14.5 15.2 15.8	12.9 12.7 13.3 13.7 14.8	13.6 13.2 13.7 14.4 15.1	19.9 22.8 22.5 23.4 22.8	18.6 18.7 20.2 21.2 21.9	18.9 19.8 21.5 22.0 22.2
16 17 18 19 20	 	 	 	12.1 11.9 14.9 14.7 15.0	11.3 11.5 11.8 13.8 14.0	11.7 11.7 13.6 14.4 14.6	17.0 18.4 18.1 18.5 18.4	15.5 16.4 17.0 17.6 16.9	16.0 16.9 17.6 18.1 17.4	23.7 23.3 21.9 21.1 21.7	21.4 21.7 21.1 20.1 19.6	22.1 22.2 21.5 20.5 20.3
21 22 23 24 25	7.5 10.4 10.9 11.0 11.1	7.2 7.4 8.6 9.9 10.6	7.4 7.9 10.5 10.4 10.8	15.3 15.4 16.4 16.8 17.2	14.5 14.7 13.5 15.6 16.2	14.9 14.8 14.8 16.3 16.6	18.3 19.0 18.5 18.3 18.5	16.9 17.4 17.3 17.3 17.3	17.3 18.1 17.9 17.7 18.0	21.4 22.0 21.6 21.2 21.2	20.5 20.8 21.0 20.8 20.8	20.9 21.3 21.3 20.9 20.9
26 27 28 29 30 31	10.6 10.1 9.6 	9.9 9.6 9.2 	10.2 9.8 9.4 	18.0 17.8 17.8 18.2 18.4 16.6	16.5 17.0 16.6 17.1 16.6 14.9	17.1 17.2 17.1 17.6 17.9 15.5	19.0 19.0 18.3 18.7 19.0	18.2 17.2 17.1 17.4 17.5	18.4 18.4 17.7 18.0 18.0	22.9 23.4 22.4 22.9 22.3 22.4	20.9 21.3 21.8 21.6 20.8 21.1	21.4 22.7 22.0 21.9 21.5 21.8
MONTH							19.0	12.7	16.5	23.7	17.2	20.6

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	ЕРТЕМВЕ	ER
1 2 3 4 5	22.1 22.1 22.7 22.8 23.8	20.7 21.0 21.3 22.0 22.4	21.4 21.3 22.0 22.4 22.8	27.3 27.0 27.1 27.2 27.6	25.6 25.9 26.0 26.3 26.5	26.1 26.5 26.5 26.6 26.8	27.5 27.2 27.1 27.5 27.6	26.8 26.8 26.8 27.0 27.0	27.1 27.0 27.0 27.1 27.1	27.4 27.6 28.0 27.9 27.5	27.1 27.1 27.1 27.1 27.1	27.2 27.2 27.2 27.2 27.3
6 7 8 9 10	23.9 24.1 24.6 24.2 26.1	22.8 22.7 23.8 23.5 23.4	23.3 23.7 24.1 24.0 24.6	27.8 27.8 28.0 27.8 28.4	26.5 26.4 27.0 27.0 27.4	27.2 27.0 27.4 27.5 27.7	27.3 27.4 27.4 27.5 27.3	27.0 27.1 27.1 27.1 26.9	27.2 27.2 27.2 27.3 27.1	27.6 27.4 26.6 25.7 25.2	27.1 25.3 25.0 24.9 24.1	27.4 26.0 25.4 25.2 24.6
11 12 13 14 15	27.0 26.9 26.6 24.6 24.8	24.2 24.5 22.8 22.8 22.9	25.7 26.0 24.5 23.4 23.4	29.0 28.6 28.2 27.8 27.4	27.2 27.8 27.7 27.2 27.1	28.1 28.1 27.9 27.4 27.3	27.0 27.1 27.5 27.4 27.5	26.7 26.8 26.8 26.9 27.0	26.9 27.0 27.0 27.2 27.2	24.1 23.4 23.4 23.5	23.1 23.1 22.9 22.9	23.4 23.2 23.1 23.1
16 17 18 19 20	27.4 26.9 26.8 26.4 26.3	23.1 26.2 26.0 25.6 25.4	25.6 26.6 26.5 26.1 25.6	27.4 27.3 27.8 27.8 27.5	27.1 27.1 27.2 27.3 27.3	27.3 27.2 27.5 27.5 27.4	27.6 27.6 27.4 28.5 28.6	27.0 27.0 27.0 27.1 27.6	27.4 27.3 27.1 27.4 28.2	 22.9	 22.5	 22.7
21 22 23 24 25	26.5 25.8 25.7 26.3 25.9	25.3 25.2 25.4 25.3 25.3	25.8 25.5 25.6 25.6 25.6	27.7 29.1 28.0 27.5 27.2	27.2 27.0 27.2 27.0 27.0	27.4 27.7 27.5 27.2 27.1	29.0 28.6 28.2 28.4 28.2	27.0 27.2 26.8 26.9 27.2	27.9 27.8 27.5 27.6 27.7	23.0 23.6 24.4 24.2 24.4	22.7 22.9 23.3 23.7 23.9	22.8 23.1 23.9 24.0 24.2
26 27 28 29 30 31	26.0 27.6 27.6 27.5 27.5	25.6 25.5 25.6 25.7 25.9	25.8 25.7 26.0 26.2 26.4	27.1 27.2 27.4 27.2 27.6 27.3	27.0 27.0 27.0 27.0 26.9 26.9	27.0 27.1 27.1 27.1 27.1 27.0	28.1 27.5 27.4 27.3 27.4 27.4	27.3 26.9 27.0 27.0 27.0 27.1	27.5 27.1 27.2 27.1 27.2 27.2	24.5 24.6 24.7 24.7 23.6	24.2 24.1 24.1 23.6 22.7	24.4 24.3 24.5 24.2 23.0
MONTH	27.6	20.7	24.7	29.1	25.6	27.2	29.0	26.7	27.3			

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX		MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBE	ER	D	ECEMBE	R		JANUARY	
1 2 3 4 5	9.0 7.4 7.9 7.0 6.5	4.8 5.8 3.9 2.9 0.9	6.2 6.6 6.0 4.5 3.8	9.1 9.6 10.2 10.7 10.6	8.2 8.2 9.3	8.4 8.8 9.5 9.9 10.0	9.5 10.3 10.6 	8.2 8.9 7.9 	8.9 9.5 9.5 	15.3 13.1 12.9 11.9 13.0	11.4 11.4 8.4 9.3 8.2	12.6 12.0 11.7 10.8 11.0
6 7 8 9 10	6.4 6.5 7.3 7.1 7.2	2.2 3.5 5.2 5.2 5.0	5.0 5.0 6.1 6.0 5.9	9.8 9.8 10.3 9.9 9.4	7.3 8.2 8.1 7.2 6.8	8.8 9.0 9.1 8.7 8.0	11.2 12.2 12.8 12.3 11.5	10.0 10.6 11.4 11.4 10.5	10.6 11.3 12.0 11.9 11.0	13.3 12.0 12.4 13.8 14.2	8.7 8.9 10.2 11.2 11.9	11.3 10.4 11.4 12.3 12.7
11 12 13 14 15	6.4 6.2 7.0 7.1 7.3	5.1 4.9 4.9 5.2 6.2	5.8 5.6 5.7 6.4 6.7	9.2 9.0 8.4 8.3 8.4	7.6 5.8 7.9 7.7 7.5	8.5 8.3 8.3 8.0 8.0	11.0 	10.1 	10.5 	13.9 13.6 15.2 14.4 14.2	11.9 11.0 12.0 12.0 11.7	12.7 12.3 13.8 13.8 12.7
16 17 18 19 20	9.2 8.8 9.2	7.2 7.2 7.2 4.7	8.1 8.0 7.3	10.0 10.1 9.8 10.1 8.3	7.6 7.2 8.0 7.1 6.6	8.8 8.8 8.9 8.7 7.5	13.6 15.6 15.2 14.2	11.4 11.9 12.9 11.4	12.3 13.4 14.2 12.3	13.2 12.5 13.2 13.2	11.9 12.0 11.6 11.7	12.6 12.1 12.2 12.7
21 22 23 24 25	7.8 7.3 7.9 9.0 9.3	4.6 4.0 5.8 6.5 8.2	6.8 6.1 6.9 8.3 8.7	9.3 9.8 9.2 10.0 11.3	6.7 5.5 7.4 7.4 7.4	7.9 7.5 8.6 8.9	13.8 14.1 13.3 12.8 11.6	11.4 12.8 12.2 11.6 10.4	12.6 13.3 12.7 12.2 11.0	13.3 13.2 13.0 13.6 14.3	12.2 12.5 12.2 12.6 12.9	12.7 12.7 12.6 12.9 13.3
26 27 28 29 30 31	10.5 10.2 9.8 9.1 8.3 8.6	8.1 8.2 7.4 7.8 7.4 7.1	8.9 9.3 8.5 8.2 7.8 7.9	12.2 10.7 9.0 9.9 9.3	9.9 8.8 8.2 7.4 5.1	11.5 9.5 8.6 9.3 7.5	12.8 13.8 13.6 15.1 16.9 17.3	10.7 12.0 11.9 9.4 13.1 14.0	11.6 12.5 12.8 12.6 15.0 15.3	14.0 13.3 13.8 13.6 13.4 13.5	12.9 12.8 12.8 12.8 12.9 12.9	13.4 13.0 13.2 13.1 13.2 13.2
MONTH				12.2	5.1	8.8						
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	13.4 13.9 14.1 13.1 12.9	13.0 12.8 12.8 10.5 11.6	13.3 13.4 13.6 11.6 12.3	11.3 10.3 10.6 10.9	9.7 9.2 9.6 9.3	10.3 9.7 10.0 10.2	9.0 9.2 8.3 8.2 8.2	8.0 8.1 7.9 7.7 7.7	8.6 8.6 8.1 8.0 8.0	8.1 8.3 7.8 7.9 8.2	6.4 6.4 6.9 6.8 7.0	7.3 7.4 7.4 7.3 7.5
6 7 8 9 10	 	 	 	10.6 10.4 10.1	9.4 9.3 9.3	10.0 9.8 9.6	8.6 8.5 8.5 8.7 9.1	8.1 7.9 8.0 8.4 8.7	8.3 8.2 8.2 8.5 8.9	7.7 7.6 8.2 8.2 8.5	6.1 6.0 6.2 6.8 6.6	6.8 6.8 7.2 7.3 7.4
11 12 13 14 15	 	 	 	9.7 9.3 10.0 9.9 9.2	8.9 8.4 8.5 8.2 8.5	9.4 8.8 9.0 8.9 8.8	8.8 9.1 8.7 8.0 7.5	8.5 8.3 7.7 7.3 7.0	8.6 8.7 8.1 7.7 7.2	7.3 7.5 8.2 11.0 10.2	4.2 3.1 6.2 6.4 9.0	5.7 5.5 7.2 8.4 9.6
16 17 18 19 20	 	 	 	8.7 8.4 8.6 9.5 9.1	7.7 7.9 7.9 8.0 8.0	8.3 8.1 8.2 8.7 8.6	7.8 9.2 8.3 8.4 8.4	6.9 6.8 7.1 7.3 7.7	7.3 7.7 7.6 7.8 7.9	13.6 11.2 9.3 9.0 9.9	8.8 8.3 7.6 7.3 7.9	10.8 9.2 8.4 8.3 8.9
21 22 23 24 25	11.5 10.1 9.2 8.8 9.5	9.9 9.1 7.8 7.8 8.4	10.4 9.6 8.4 8.3 8.9	8.7 8.8 8.8 9.5 9.8	8.0 8.2 7.8 7.7 6.7	8.4 8.5 8.3 8.4 8.7	7.9 7.4 7.4 7.7 7.7	7.2 6.5 6.5 7.2 6.9	7.6 7.1 7.1 7.4 7.5	10.7 10.0 9.2 9.8 9.6	9.0 9.1 7.8 7.5 7.4	9.6 9.5 8.3 8.1 8.2
26 27 28 29 30 31	9.7 9.7 10.5 	9.0 9.2 9.2 	9.3 9.4 9.8 	8.8 8.9 8.1 7.5 8.3 8.9	6.6 6.9 7.2 6.8 6.9 8.2	7.3 8.0 7.6 7.2 7.5 8.7	7.6 7.4 7.8 8.3 7.5	6.8 6.7 6.8 7.0 6.2	7.1 7.0 7.2 7.5 6.9	8.0 7.9 6.4 6.9 7.2 6.6	6.7 6.1 5.8 5.3 5.4 6.1	7.2 7.1 6.1 5.9 6.2 6.4
MONTH							9.2	6.2	7.8	13.6	3.1	7.6

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	EPTEMBE	ER
1 2 3 4 5	6.9 7.4 7.0 6.9 6.9	6.1 6.5 6.3 6.1 6.4	6.6 7.1 6.7 6.5 6.7	7.9 7.1 8.0 9.6 7.8	6.9 5.8 5.0 6.6 6.2	7.3 6.3 6.6 7.8 7.0	 	 	 	7.9 7.3 9.6 7.6 7.4	4.2 3.5 4.5 4.7 4.0	6.3 6.2 6.6 6.3 6.0
6 7 8 9 10	8.6 7.6 6.9 8.4 8.1	6.6 6.4 6.4 6.3 7.1	7.3 6.7 6.6 7.0 7.6	8.1 6.9 10.7 9.0 7.6	6.0 4.5 3.6 2.2 3.5	6.9 5.6 6.5 6.3 5.2	 	 	 	7.1 7.5 7.2 7.7 6.4	5.3 5.2 5.8 5.5 5.0	6.3 6.2 6.7 6.1 5.7
11 12 13 14 15	8.1 7.8 6.9 7.0 7.9	6.8 6.5 6.1 6.3 6.2	7.4 7.2 6.5 6.6 6.9	6.3 7.2 8.0 6.1 9.3	2.8 4.6 5.0 4.7 4.9	5.1 5.7 5.8 5.3 6.4	8.9 9.5 9.8	6.6 5.7 2.3	7.6 8.3 8.0	6.8 8.5 8.7 7.4	4.8 5.4 5.9 4.7	5.9 6.4 7.0 6.2
16 17 18 19 20	7.8 7.4 8.2 8.1 7.0	6.4 6.6 6.5 5.8 5.6	6.9 7.0 7.0 6.8 6.2	7.2 8.0 9.4 7.9 9.2	5.1 3.3 4.9 4.7 5.8	5.8 5.4 6.6 5.8 7.0	8.6 7.9 7.1 8.3 7.7	1.1 1.0 2.7 3.2 5.3	5.8 4.5 4.5 6.5 6.4	 	 	
21 22 23 24 25	6.6 7.8 9.4 10.3 11.2	5.4 6.0 6.6 8.7 5.8	6.1 6.8 7.9 9.2 9.3	8.4 8.5 7.2 8.2 8.1	6.6 5.7 6.1 6.6 6.7	7.3 6.7 6.5 7.2 7.1	6.1 6.6 5.9 6.6 8.1	4.7 5.1 3.9 4.9 3.8	5.5 5.7 4.9 5.6 6.4	 	 	
26 27 28 29 30 31	10.1 10.2 9.8 9.8 10.2	3.4 3.3 5.1 5.7 7.3	7.3 6.4 7.1 7.1 8.2	9.5 8.3 6.8 8.4	7.2 5.8 3.2 3.8	8.2 7.5 5.6 6.1	7.6 7.4 6.3 4.6 5.8 7.7	4.6 3.7 1.7 1.1 0.1 0.4	6.8 5.7 4.2 3.4 3.4 4.5	9.4 9.4 8.1 11.0	3.2 4.0 4.1 4.8	6.1 6.3 6.0 7.7
MONTH	11.2	3.3	7.1									

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX		MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBI	ER	D	ECEMBE	R		JANUARY	7
1 2 3 4 5	6.9 6.3 6.7 3.2 2.6	3.9 2.5 1.5 0.9 0.0	5.5 4.5 3.4 1.9 0.7	 11.0 9.6	6.1 5.5	8.8 8.3	10.0 10.0 11.3 	7.0 7.6 7.0 	9.2 8.9 9.7 	11.2 8.5 5.6 7.8 7.2	6.7 5.3 5.1 5.6 6.1	8.9 5.9 5.3 6.8 6.6
6 7 8 9 10	6.3 7.7 7.6 6.6 5.7	0.0 1.9 4.0 4.7 3.2	3.0 4.8 6.6 5.6 4.4	9.2 9.3 8.1 7.8 7.6	4.5 7.5 6.6 6.5 6.3	6.8 8.4 7.2 7.3 6.8	12.4 11.9 11.3 13.3 12.4	10.9 10.5 10.6 10.6 10.3	11.5 11.4 11.0 12.3 11.9	8.2 10.4 11.4 12.7 11.7	5.6 8.1 8.8 10.3 8.0	6.3 9.2 10.3 11.1 10.1
11 12 13 14 15	5.1 5.3 4.8 5.9 5.4	3.6 3.0 3.4 3.4 4.3	4.5 4.4 4.3 4.9 5.0	8.6 8.2 8.1 7.5 7.5	5.7 3.9 6.0 6.6 6.6	7.4 6.0 7.6 7.0 6.9	11.9 	9.3 	11.0 	9.3 12.5 11.8 10.7 12.9	7.2 7.1 8.0 7.2 6.5	8.0 9.2 9.2 8.4 10.4
16 17 18 19 20	5.3 7.4 9.1 8.6 7.7	3.5 4.2 7.0 4.8 3.3	4.6 5.4 8.0 6.4 4.7	7.6 7.9 9.5 9.4 6.8	5.9 4.8 6.1 5.3 5.3	6.7 6.1 8.4 6.9 6.1	14.6 14.7 13.7 11.7	10.3 12.7 8.3 8.6	12.5 13.6 10.3 10.5	12.6 11.9 11.6 12.5	11.0 11.4 10.4 8.5	11.8 11.6 11.2 11.7
21 22 23 24 25	8.5 	1.5 	3.9	7.2 7.3 9.2 8.9 7.2	5.2 4.3 6.7 4.9 3.8	6.1 5.9 8.2 7.1 5.2	12.2 11.8 11.2 11.2 10.2	7.3 7.0 6.8 7.1 9.4	10.4 8.9 8.1 8.7 9.7	12.4 12.4 12.4 12.5 12.4	10.6 12.0 11.8 12.0 11.4	11.9 12.2 12.1 12.2 12.0
26 27 28 29 30 31	 	 		6.0 9.7 10.7 9.3 8.6	2.7 0.5 4.1 4.5 4.3	3.8 6.4 7.6 5.5 6.7	10.7 10.9 9.7 9.9 8.4 8.3	9.7 8.6 8.3 8.1 7.7 6.8	10.2 10.0 8.9 8.6 8.0 7.5	12.1 12.8 12.7 12.5 12.9 13.0	11.1 11.2 11.4 11.5 11.3 11.8	11.5 12.4 12.0 12.1 12.3 12.7
MONTH												
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	12.6 11.2 11.0 11.5 12.6	9.9 9.8 10.0 9.8 10.1	10.6 10.2 10.3 10.5 11.2	10.3 9.7 10.8 10.6	6.2 5.6 8.8 5.5	7.7 6.6 10.1 8.2	8.9 9.1 8.4 8.2 8.2	6.0 5.4 4.4 4.4 7.3	8.1 8.4 7.0 7.0 7.8	2.0 7.8 8.0 8.3 8.5	0.4 0.2 0.1 0.1 7.6	0.9 3.9 2.9 6.7 8.1
6 7 8 9 10	13.0 	11.2 	12.3 	9.9 8.5 10.7	5.3 5.2 5.1	7.2 7.2 7.0	8.4 8.3 8.2 8.4 8.7	7.5 7.8 6.3 8.1 8.2	8.1 8.0 7.9 8.2 8.5	8.3 4.4 3.0 3.4 1.7	2.8 0.5 0.1 0.1 0.1	6.8 1.9 1.0 0.7 0.4
11 12 13 14 15	 	 	 	10.5 10.1 9.6 9.8 9.7	9.6 5.8 6.2 6.4 3.6	10.2 8.2 8.0 9.0 7.7	8.4 8.8 8.5 7.6 7.2	8.2 8.3 7.3 7.2 6.6	8.3 8.6 7.9 7.4 6.9	0.6 7.0 8.5 10.2 9.7	0.1 0.1 0.1 5.9 7.5	0.1 0.8 4.4 8.1 9.1
16 17 18 19 20	 	 	 	9.4 9.7 9.6 10.4 9.7	6.1 8.1 6.7 8.0 6.4	8.3 9.1 8.8 9.5 8.9	7.0 7.8 8.0 8.2 8.2	6.4 6.0 6.9 7.1 7.5	6.7 6.8 7.3 7.5 7.7	11.6 10.2 8.9 8.7 9.1	8.2 7.8 7.2 6.9 7.6	9.4 8.6 8.1 8.0 8.2
21 22 23 24 25	7.8 8.6 8.7 9.1 9.6	5.8 5.0 6.4 7.6 8.5	6.2 6.1 8.3 8.3 9.1	9.0 8.7 8.8 9.8 9.4	8.1 7.6 2.0 7.3 6.2	8.7 8.1 5.6 8.8 8.6	7.6 7.0 7.2 7.5 7.6	6.4 6.0 4.4 4.4 4.0	7.2 6.7 6.7 6.7	8.8 9.2 8.8 7.7 6.7	7.2 5.9 5.6 6.2 4.5	8.1 8.0 7.8 7.3 5.5
26 27 28 29 30 31	9.8 10.2 10.3 	9.1 9.4 8.4 	9.5 9.6 9.5 	8.9 9.0 8.1 7.5 8.3 8.8	5.9 7.0 7.3 7.0 6.9 6.6	7.1 8.1 7.7 7.3 7.5 8.3	7.6 7.2 3.6 4.3 2.8	6.4 1.6 1.4 1.1 0.7	7.2 5.0 1.8 2.0 1.5	6.4 7.8 6.7 6.8 5.5 6.0	3.6 3.5 5.1 2.5 2.4 1.4	4.5 6.6 6.3 4.4 4.7 4.0
MONTH							9.1	0.7	6.9	11.6	0.1	5.3

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	ЕРТЕМВЕ	ER
1 2 3 4 5	6.7 6.5 6.6 7.0 6.3	4.6 4.3 4.2 4.2 4.2	5.7 5.5 5.6 5.8 5.5	3.6 6.3 7.6 7.1 6.7	0.1 0.0 4.8 1.6 0.3	0.8 3.5 6.1 4.9 3.2	0.0 0.1 0.0 0.6 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.5 0.3	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1 0.0
6 7 8 9 10	6.5 7.0 6.6 6.8 7.4	4.1 4.9 4.7 2.8 2.7	5.4 5.9 5.6 5.2 5.7	3.2 1.2 6.9 2.9 5.0	0.0 0.0 0.0 0.2 0.2	0.4 0.2 2.1 0.7 0.8	0.0 1.0 0.1 6.7 7.1	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 2.9 4.0	5.7 6.3 7.5 7.6 6.8	0.0 0.0 0.1 4.8 4.9	0.7 3.2 5.5 6.2 6.0
11 12 13 14 15	7.7 7.2 6.6 1.2 1.8	2.8 1.4 0.1 0.1 0.1	6.7 5.2 1.9 0.3 0.3	6.5 6.0 6.6 5.5 4.0	0.2 0.7 0.2 0.7 1.6	3.2 4.1 2.2 3.9 2.8	7.2 2.9 5.7 4.0 0.1	0.0 0.0 0.1 0.1 0.1	2.2 0.4 1.0 1.0 0.1	7.2 7.8 7.8 6.3	5.5 5.6 4.5 3.2	6.4 6.4 6.2 5.2
16 17 18 19 20	7.6 7.9 7.8 7.3 5.9	0.1 6.8 6.1 3.8 2.0	3.6 7.4 7.2 5.7 3.1	3.5 1.0 0.7 0.7 1.2	0.2 0.1 0.1 0.1 0.1	1.3 0.3 0.2 0.2 0.1	0.1 0.1 0.1 8.0 7.4	0.1 0.1 0.1 0.1 4.5	0.1 0.1 0.1 1.1 6.5	 5.1	 2.5	3.2
21 22 23 24 25	7.0 7.8 5.8 6.2 1.7	0.5 0.4 0.9 0.3 0.3	3.6 3.0 2.1 1.7 0.9	1.8 8.0 7.2 7.1 2.5	0.1 0.1 1.4 0.5 0.6	0.3 2.7 5.2 2.7 1.5	6.2 4.3 0.8 5.8 5.7	2.4 0.3 0.0 0.0 1.3	4.4 2.1 0.1 2.3 4.8	3.6 1.9 3.3 3.2 5.2	1.8 0.1 0.1 0.1 0.0	3.0 0.7 0.9 0.9 2.1
26 27 28 29 30 31	1.5 6.1 6.1 4.6 4.6	0.3 0.3 0.1 0.9 0.5	0.7 0.8 1.2 2.1 1.6	2.9 2.8 2.3 1.1 1.4 0.6	0.5 0.2 0.1 0.0 0.0	1.5 1.1 0.6 0.2 0.2 0.0	4.1 0.0 0.0 0.2 0.1 0.0	0.0 0.0 0.0 0.0 0.0 0.0	1.0 0.0 0.0 0.0 0.0 0.0	4.9 1.7 5.0 6.7 8.2	1.0 0.1 0.1 1.2 5.5	3.2 0.7 1.3 4.6 6.4
MONTH	7.9	0.1	3.8	8.0	0.0	1.8	8.0	0.0	1.1			

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		N	NOVEMBE	R	Г	ECEMBE	R		JANUARY	•
1 2 3 4 5	111 91 97 88 81	58 71 48 36 11	76 81 73 56 48	93 96 100 105 104	79 82 83 91 93	86 88 93 97 98	84 91 93 	73 77 70 	79 83 83 	132 118 116 104 111	99 101 74 82 71	110 107 104 94 94
6 7 8 9 10	80 81 90 86 87	27 43 63 63 60	63 63 75 73 71	97 96 100 96 96	73 80 80 71 67	87 88 90 85 80	93 100 106 103 95	83 86 94 94 87	88 92 100 98 91	113 99 103 117 122	76 76 84 92 100	97 87 94 103 108
11 12 13 14 15	77 74 84 84 84	61 59 58 62 71	70 67 67 76 77	96 96 89 83 85	78 60 81 78 76	88 87 85 80 81	92 	84 	87 	120 111 125 117 115	99 89 100 100 95	107 100 113 112 103
16 17 18 19 20	102 97 101	80 80 80 53	90 89 80	101 102 96 99 81	77 73 79 71 66	89 89 88 86 74	115 129 128 121	95 97 107 100	103 111 118 108	107 100 102 103	94 95 91 92	101 97 95 98
21 22 23 24 25	85 80 86 96 99	51 44 64 70 87	75 67 75 90 93	91 96 88 93 107	66 55 72 71 71	77 74 82 84 94	120 123 117 111 101	100 109 106 100 90	110 115 111 106 96	104 102 99 97 102	95 96 92 90 90	98 98 95 92 94
26 27 28 29 30 31	114 111 107 99 89 90	86 88 80 85 78 75	95 101 93 89 84 82	116 101 84 88 84	94 82 74 68 48	109 89 78 82 69	108 115 114 128 143 148	91 98 98 79 109 121	98 103 106 106 127 131	101 96 101 102 102 104	92 93 92 93 97 98	96 94 95 97 100 101
				116	40	0.5						
MONTH				116	48	86						
	F	FEBRUARY	7		MARCH			APRIL			MAY	
MONTH 1 2 3 4 5				102 94 96 102		91 86 90 94	89 92 85 84 87		85 86 82 83 84	93 97 89 87 90		84 85 85 81 82
1 2 3 4	105 110 114 107	FEBRUARY 100 98 104 81	103 104 109 93	102 94 96	85 82 85	91 86 90	89 92 85 84	APRIL 79 80 80 81	85 86 82 83	93 97 89 87	MAY 72 73 79 75	84 85 85 81
1 2 3 4 5 6 7 8 9	105 110 114 107 108	100 98 104 81 96 	103 104 109 93 102	102 94 96 102 98 94	85 82 85 84 85 86	91 86 90 94 91	89 92 85 84 87 91 88 86 87	79 80 80 81 80 85 83 82 84	85 86 82 83 84 87 85 84	93 97 89 87 90 84 88 97	72 73 79 75 76 68 67 70	84 85 85 81 82 75 77 84 87
1 2 3 4 5 6 7 8 9 10 11 12 13 14	105 110 114 107 108 	100 98 104 81 96 	103 104 109 93 102 	102 94 96 102 98 94 95	MARCH 85 82 85 84 85 86 87 77 79 76	91 86 90 94 91 90 89 86 81 84 83	89 92 85 84 87 91 88 86 87 89 86 87 86 80	APRIL 79 80 80 81 80 85 83 82 84 86 82 80 74 73	85 86 82 83 84 87 85 84 85 87 83 83 79	93 97 89 87 90 84 88 97 97 106 90 88 95 130	72 73 79 75 76 68 67 70 79 78 49 35 71 73	84 85 85 81 82 75 77 84 87 89 69 64 83 97
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	105 110 114 107 108 	100 98 104 81 96 	103 104 109 93 102 	102 94 96 102 98 94 95 90 87 95 95 84 82 81 85 93	85 82 85 84 85 86 86 86 81 77 79 76 78 72 76 78 79	91 86 90 94 91 90 89 86 81 84 83 81 78 78 78 78	89 92 85 84 87 91 88 86 87 89 86 87 86 80 77 81 100 88 90	APRIL 79 80 80 81 80 85 83 82 84 86 82 80 74 73 69 70 70 73 77	85 86 82 83 84 87 85 84 85 87 83 83 79 76 73 75 81 80 83	93 97 89 87 90 84 88 97 97 106 90 88 95 130 117 158 133 106 100	72 73 79 75 76 68 67 70 79 78 49 35 71 73 104	84 85 85 81 82 75 77 84 87 89 69 64 83 97 111 125 106 95 93
1 2 3 4 5 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	105 110 114 107 108 -	FEBRUARY 100 98 104 81 96	103 104 109 93 102 -	102 94 96 102 98 94 95 90 87 95 95 84 82 81 85 93 89 88 92 90 98 103	MARCH 85 82 85 84 85 86 86 81 77 79 76 78 72 76 78 79 79 83 80 79 69 68 72 74 71 74	91 86 90 94 91 90 89 86 81 84 83 81 78 78 81 86 85 87 90 76 83 79 76	89 92 85 84 87 91 88 86 87 89 86 87 81 100 88 90 90 86 80 77 81 88 99 90 86 80 87 89 89 80 80 80 80 80 80 80 80 80 80 80 80 80	APRIL 79 80 80 81 80 85 83 82 84 86 82 80 74 73 69 70 70 73 77 80 77 70	85 86 82 83 84 87 85 84 85 87 83 79 76 73 75 81 80 83 83 83 80 76 75 79 79 79 79	93 97 89 87 90 84 88 97 97 106 90 88 95 130 117 158 133 106 100 114 123 115 105 112 112 112 112 112 114 115 116	72 73 79 75 76 68 67 70 79 78 49 35 71 73 104 101 95 86 82 87 102 104 88 84 84 87	84 85 85 81 82 75 77 84 87 89 69 64 83 97 111 125 106 95 93 100 109 108 94 92 95 85 84 70 68 70
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	105 110 114 107 108 -	100 98 104 81 96 	103 104 109 93 102 89 83 76 75 81 83 83 83 86 	102 94 96 102 98 94 95 90 87 95 95 84 82 81 85 93 89 88 92 90 98 103	MARCH 85 82 85 84 85 86 86 81 77 79 76 78 72 76 78 79 79 79 69 68 72 74 71	91 86 90 94 91 90 89 86 81 84 83 81 78 78 81 86 85 87 90 76	89 92 85 84 87 91 88 86 87 89 86 87 81 100 88 90 90 86 80 77 81 88 90 90 86 80 79 83 82 84 83 84 84 86 87 88 88 88 88 88 88 88 88 88 88 88 88	APRIL 79 80 80 81 80 85 83 82 84 86 82 80 74 73 69 70 70 73 77 80 77 70 69 76 74 74 72 73 77	85 86 82 83 84 87 85 84 85 87 83 83 79 76 73 75 81 80 83 83 83 80 76 75 79 79 79 79 77 76 77 77 76 77 77 77 77 77 77 77 77	93 97 89 87 90 84 88 97 106 90 88 95 130 117 158 133 106 100 114 123 115 105 112 112	72 73 79 75 76 68 67 70 79 78 49 35 71 73 104 101 95 86 82 87 102 104 88 84 84 87	84 85 85 81 82 75 77 84 87 89 69 64 83 97 111 125 106 95 93 100 109 108 94 92 95 85 84 70 68

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	ЕРТЕМВІ	ER
1 2 3 4 5	78 86 80 80 82	69 73 71 70 74	74 81 76 75 78	103 91 101 124 101	89 73 62 82 78	95 79 82 98 89	 	 	 	106 97 128 101 96	55 46 58 61 51	83 82 87 83 78
6 7 8 9 10	105 91 83 105 102	77 76 76 75 87	87 80 78 85 94	106 90 145 121 100	77 57 46 28 45	89 72 85 82 68	 	 	 	89 92 88 94 77	66 63 71 67 60	79 76 81 74 69
11 12 13 14 15	102 99 87 90 102	83 82 76 78 78	92 90 82 83 87	82 94 104 77 123	36 59 64 59 62	66 74 75 66 82	115 125 131	 84 73 29	 97 107 104	80 100 102 86	57 63 69 55	69 75 81 72
16 17 18 19 20	100 93 103 104 88	80 83 81 73 70	87 87 89 86 78	93 105 122 101 120	65 42 62 60 73	74 69 85 74 89	112 103 89 109 100	14 13 34 41 67	75 58 57 84 82	 	 	
21 22 23 24 25	83 98 119 133 147	67 74 81 109 74	75 85 98 117 120	109 111 91 104 103	85 72 77 83 84	94 86 83 91 90	79 86 76 86 106	60 65 50 62 49	70 73 62 73 83	 	 	
26 27 28 29 30 31	131 132 127 128 136	43 41 64 72 95	94 82 91 91 106	124 109 87 110	91 74 41 48 	104 97 71 79 	100 97 82 59 76 103	60 48 21 14 1 5	88 74 53 43 43 58	115 116 97 130	39 49 49 56	74 77 71 90
MONTH	147	41	88									

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			OVEMBE			ECEMBE			JANUARY	
1 2 3 4 5	84 76 82 39 32	48 30 18 11 0	67 55 41 24 8	 107 94	 62 56	 86 82	89 88 99 	65 69 63 	82 79 85 	99 74 48 67 62	57 46 44 48 52	78 51 46 58 57
6 7 8 9 10	78 96 95 80 69	0 23 50 57 38	37 59 81 67 53	90 91 79 77 77	46 73 65 64 63	68 82 71 73 68	103 98 95 110 102	90 88 89 89 87	96 94 92 102 99	70 86 94 108 99	48 69 73 85 67	54 78 85 92 85
11 12 13 14 15	61 63 57 69 63	43 36 40 40 50	54 52 50 58 57	90 86 84 75 76	57 40 62 67 67	76 62 79 71 70	98 	78 	92 	78 103 99 89 105	60 59 68 61 55	67 77 77 70 85
16 17 18 19 20	60 84 101 95 85	40 48 78 54 37	52 60 89 71 53	77 79 93 92 68	60 49 61 53 53	68 62 83 68 61	122 121 113 100	87 104 70 74	105 112 86 92	102 95 91 97	88 91 82 68	95 93 88 91
21 22 23 24 25	93 	17 	44 	71 71 88 84 68	52 43 65 48 37	61 59 79 68 50	107 105 97 97 89	64 61 59 62 81	91 78 71 76 85	97 96 95 90 89	83 92 88 86 83	92 94 91 87 87
26 27 28 29 30 31	 	 	 	58 92 99 85 80	26 5 39 43 41	37 61 70 53 63	90 91 82 83 71 70	82 73 71 69 65 58	86 85 75 73 68 64	89 94 92 93 98 99	82 83 84 85 85 90	85 90 88 89 93 97
MONTH												
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	96 86 83 93 105	75 75 76 75 82	81 77 79 83 92	90 87 97 95	55 50 78 49	68 59 90 74	88 90 85 84 86	59 53 43 44 76	80 83 70 72 82	22 89 91 91 93	4 2 1 1 82	9 44 33 74 88
6 7 8 9 10	107 	92 	101 	 88 76 99	 47 47 46	64 64 63	88 86 83 84 85	79 81 65 81 81	85 83 81 82 83	91 48 33 38 19	31 5 1 1	75 20 10 7 4
11 12 13 14 15	 	 	 	98 92 87 90 89	88 53 56 58 33	94 75 73 83 71	82 84 82 76 72	79 79 70 70 66	80 82 76 73 68	7 82 98 120 113	1 1 1 67 86	2 9 51 93 105
16 17 18 19 20		 	 	87 90 89 102 95	56 74 63 78 62	77 84 84 94 88	73 83 85 88 88	65 61 72 75 78	68 71 76 80 80	137 120 101 97 104	94 89 82 77 83	108 99 92 89 91
21 22 23 24 25	65 77 78 82 87	48 42 55 68 77	52 51 74 75 83	89 87 90 101 98	80 75 19 74 64	86 80 56 90 88	80 75 77 80 81	67 63 46 46 42	75 71 71 70 71	99 106 100 87 75	81 66 63 69 51	90 91 88 82 61
26 27 28 29 30 31	87 90 90 	82 83 74 	85 85 83 	94 95 85 80 85 89	61 73 76 73 73 66	74 85 80 77 79 83	81 78 38 46 30	68 17 15 12 7	77 53 20 22 15	75 92 77 79 63 68	40 40 58 28 27 16	51 77 73 51 53 46
MONTH							90	7	70	137	1	60

0209262905 NEUSE RIVER AT CHANNEL LIGHT 11—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	ЕРТЕМВІ	ER
1 2 3 4 5	76 73 77 82 75	52 49 49 49 50	64 62 64 67 64	46 79 96 89 84	1 0 59 20 4	10 44 76 61 40	0 1 0 8 0	0 0 0 0	0 0 0 0	0 0 6 4 1	0 0 0 0	0 0 0 0
6 7 8 9 10	77 84 79 81 92	48 57 56 33 32	64 70 67 62 69	41 15 88 37 65	0 0 0 3 3	5 2 26 9 11	0 13 1 85 90	0 0 0 0	0 0 0 36 50	72 77 91 92 82	0 0 1 58 59	8 39 67 75 73
11 12 13 14 15	97 90 83 14 21	33 17 1 1	83 65 23 4 4	85 77 85 70 51	3 9 3 9 20	42 53 29 49 36	91 37 72 51	0 0 1 1 1	28 6 13 12 1	85 92 91 74	65 66 53 37	76 76 73 61
16 17 18 19 20	96 99 98 91 73	1 84 75 47 24	45 93 90 71 38	44 13 9 9 15	3 1 1 1 1	17 4 2 3 2	1 1 1 103 96	1 1 1 1 57	1 1 1 14 84	 59	 29	 38
21 22 23 24 25	87 96 71 77 21	6 5 11 4 4	45 37 26 21 12	23 104 92 90 32	1 1 18 6 8	4 36 66 34 19	81 55 10 75 73	30 4 0 0 17	56 27 0 29 61	42 22 40 38 62	21 1 1 1 0	35 9 10 11 25
26 27 28 29 30 31	18 78 78 58 58	4 4 1 11 6	9 9 15 26 21	37 35 29 14 18 8	6 3 1 0 0	19 14 8 3 3 0	53 0 0 3 1 0	0 0 0 0 0	12 0 0 0 0 0	59 20 60 80 96	12 1 1 14 64	38 8 15 55 75
MONTH	99	1	46	104	0	23	103	0	14			