0209750881 WILSON CREEK AT MOUTH NEAR CHAPEL HILL, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2002 to November 2003 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August 2002 to November 2003.

INSTRUMENTATION.--Logging pressure transducer with water temperature probe.

REMARKS.--Station operated as part of NAWQA Urban Land Use Gradient study.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, 28.0°C, Aug. 24, 2002; minimum recorded, 0.2°C, Jan. 24, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)
FEB													
20...	0930	9	6.0	757	11.8	96	6.8	108	6.4	10.8	10.2	<0.10	<0.04
MAY													
15...	1230	D	E1.8	--	8.4	--	7.3	110	17.5	--	--	--	--
JUN													
18...	1200	9	--	--	--	--	7.4	103	19.9	--	--	--	--
JUL													
08...	1030	9	--	--	--	--	--	--	--	--	--	--	--
15...	0945	9	E2.5	767	8.1	91	7.3	115	21.5	7.12	6.1	0.18	<0.04

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)
FEB													
20...	0.22	<0.008	<0.02	0.03	E.002	--	0.2	<0.1	0.2	2.8	--	--	--
MAY													
15...	--	--	--	--	--	--	--	--	--	--	1.600	18	19.30
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	0.23	<0.008	E.01	0.03	0.029	0.41	0.2	<0.1	0.2	3.3	--	--	--

Date	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino] propan-1-ol, ug/L (61615)	2Chloro-2,6'-'diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)
FEB													
20...	--	--	47	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006
MAY													
15...	1,170	<1.0	--	1.4	--	--	--	--	--	--	--	--	--
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
08...	--	--	230	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006

0209750881 WILSON CREEK AT MOUTH NEAR CHAPEL HILL, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)
FEB													
20...	<0.004	E.006	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	E.001
MAY													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<0.004	E.004	<0.02	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	E.003

Date	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)
FEB													
20...	<0.04	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005
MAY													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<0.01	E.004	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	E.004	0.006

Date	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)
FEB													
20...	E.004	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013
MAY													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	E.008	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013

Date	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)
FEB													
20...	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	<0.01	<0.005	<0.004	<0.005	<0.02	<0.07
MAY													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	<0.01	<0.005	<0.004	<0.005	<0.02	<0.07

0209750881 WILSON CREEK AT MOUTH NEAR CHAPEL HILL, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)
FEB							
20...	<0.02	<0.01	<0.009	<0.01	88	6	0.10
MAY							
15...	--	--	--	--	--	--	--
JUN							
18...	--	--	--	--	--	--	--
JUL							
08...	--	--	--	--	--	--	--
15...	<0.02	<0.01	<0.009	<0.01	82	4	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

Medium codes used in this table:
9 -- Surface water
D -- Plant tissue

TEMPERATURE, WATER, DEGREES CELSIUS
AUGUST TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	26.5	22.7	24.6	20.4	19.5	19.8
2	---	---	---	---	---	---	26.0	22.3	24.0	20.4	19.1	19.6
3	---	---	---	---	---	---	25.8	21.3	23.5	22.4	18.2	20.1
4	---	---	---	---	---	---	25.7	21.0	23.4	23.7	19.4	21.4
5	---	---	---	---	---	---	25.9	21.1	23.5	22.7	20.0	21.3
6	---	---	---	---	---	---	24.9	21.5	23.1	21.9	17.6	19.8
7	---	---	---	---	---	---	22.6	18.4	20.8	21.1	17.9	19.5
8	---	---	---	---	---	---	22.4	17.0	19.9	21.5	17.1	19.2
9	---	---	---	---	---	---	23.5	16.4	20.4	21.3	18.0	19.7
10	---	---	---	---	---	---	23.5	18.6	21.1	22.5	19.4	20.7
11	---	---	---	---	---	---	23.6	18.2	21.1	22.3	18.4	20.3
12	---	---	---	---	---	---	25.1	19.3	22.4	19.9	16.6	18.4
13	---	---	---	---	---	---	26.0	20.5	23.2	19.9	15.4	17.9
14	---	---	---	---	---	---	25.3	20.4	22.7	21.8	18.4	20.1
15	---	---	---	---	---	---	25.3	22.2	23.3	22.0	20.4	21.1
16	---	---	---	---	---	---	24.5	21.8	23.1	22.0	20.7	21.3
17	---	---	---	---	---	---	25.6	21.7	23.7	22.4	20.2	21.2
18	---	---	---	---	---	---	26.5	22.1	24.3	21.7	20.5	21.1
19	---	---	---	---	---	---	25.8	21.8	23.7	22.3	20.4	21.2
20	---	---	---	---	---	---	25.5	21.6	23.8	22.4	19.5	20.8
21	---	---	---	---	---	---	25.9	21.7	23.7	22.0	18.9	20.5
22	---	---	---	---	---	---	26.1	22.7	24.5	22.5	19.3	20.8
23	---	---	---	---	---	---	27.1	22.4	24.7	21.1	19.3	20.2
24	---	---	---	---	---	---	28.0	22.8	24.8	20.3	17.6	18.9
25	---	---	---	---	---	---	26.0	21.6	23.8	19.7	17.7	18.7
26	---	---	---	---	---	---	22.6	21.3	22.1	20.4	18.1	19.0
27	---	---	---	---	---	---	21.4	20.4	20.9	23.1	19.9	21.4
28	---	---	---	---	---	---	20.6	19.6	20.0	22.3	20.7	21.4
29	---	---	---	---	---	---	20.3	19.2	19.7	21.0	19.1	20.1
30	---	---	---	---	---	---	20.4	19.1	19.6	20.4	17.5	19.1
31	---	---	---	---	---	---	20.3	19.5	19.8	---	---	---
MONTH	---	---	---	---	---	---	28.0	16.4	22.6	23.7	15.4	20.2

0209750881 WILSON CREEK AT MOUTH NEAR CHAPEL HILL, NC—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.6	18.9	20.1	12.2	10.2	11.3	8.0	5.2	6.5	12.8	10.3	11.6
2	22.0	19.2	20.6	11.4	9.3	10.5	7.5	3.8	5.8	10.9	9.3	10.1
3	22.4	20.0	21.3	11.8	9.8	10.7	8.2	5.4	6.6	10.6	8.8	10.2
4	22.9	20.2	21.6	13.0	11.0	11.9	5.5	1.6	3.8	8.8	6.4	7.6
5	23.4	21.1	22.2	12.5	12.1	12.3	5.4	1.9	3.8	8.0	5.2	6.5
6	22.2	19.4	20.5	13.5	11.6	12.6	6.6	5.2	5.8	8.0	6.1	6.9
7	21.2	18.9	20.0	11.9	10.3	11.1	6.5	4.2	5.3	6.3	4.1	5.3
8	20.0	17.1	18.0	12.0	9.0	10.6	7.1	4.7	5.9	8.2	5.3	6.6
9	18.1	16.4	17.2	13.5	10.0	11.8	7.0	6.1	6.5	10.3	7.0	8.4
10	19.4	16.4	17.5	15.6	12.5	14.1	6.8	5.9	6.4	9.9	6.8	8.6
11	19.9	19.2	19.6	17.0	15.2	16.1	7.3	6.0	6.8	7.2	4.8	6.0
12	20.6	19.3	19.9	16.5	14.3	15.7	9.0	7.1	7.9	5.6	3.4	4.5
13	19.9	19.0	19.5	14.3	11.9	13.6	8.0	6.8	7.6	6.1	2.9	4.4
14	19.4	16.5	17.7	12.9	10.4	11.7	9.1	7.9	8.5	6.8	3.4	5.0
15	16.5	15.4	15.6	13.2	10.4	11.8	8.5	7.1	7.8	6.1	3.3	4.8
16	16.9	15.8	16.3	13.8	12.8	13.3	9.8	6.9	8.1	5.3	2.8	3.9
17	16.4	14.6	15.6	13.4	11.6	12.8	8.3	6.5	7.4	5.6	3.0	4.1
18	15.2	13.0	14.3	11.7	9.9	10.8	8.8	6.7	7.7	3.9	1.0	2.4
19	15.6	12.7	14.2	11.5	8.6	10.1	9.6	8.1	8.7	4.0	0.6	2.1
20	16.8	14.4	15.6	11.9	9.0	10.4	12.6	9.6	11.2	6.8	2.2	4.1
21	16.5	14.7	15.8	12.2	10.2	11.1	9.6	7.5	8.5	4.9	3.6	4.3
22	15.0	14.0	14.5	11.7	9.3	10.7	9.9	6.5	8.1	5.6	2.2	3.8
23	15.5	12.9	14.2	10.0	7.7	8.9	9.2	6.7	7.9	4.0	0.3	2.3
24	14.9	14.1	14.5	10.8	7.3	9.0	8.5	7.8	8.1	2.2	0.2	0.9
25	14.6	13.9	14.2	11.5	7.9	9.6	8.9	6.9	8.0	4.4	0.4	2.0
26	16.0	13.8	14.8	10.9	8.0	9.4	7.8	6.1	6.8	5.5	1.7	3.3
27	15.6	14.3	15.0	9.8	7.4	8.9	7.4	5.0	6.1	4.0	1.2	2.6
28	15.9	14.6	15.2	7.7	5.5	6.6	7.2	4.5	5.8	4.6	0.5	2.3
29	14.6	13.2	13.8	7.4	4.1	5.9	8.3	5.1	6.6	6.4	3.3	5.1
30	13.3	12.6	13.0	10.1	6.9	8.3	8.7	5.5	7.1	6.2	4.8	5.5
31	13.0	11.7	12.4	---	---	---	10.3	7.0	8.7	5.7	4.8	5.2
MONTH	23.4	11.7	16.9	17.0	4.1	11.1	12.6	1.6	7.1	12.8	0.2	5.2
		FEBRUARY			MARCH			APRIL			MAY	
1	7.9	5.6	6.5	8.2	6.6	7.3	14.5	8.1	11.0	19.6	16.4	17.9
2	8.3	4.9	6.3	10.9	7.6	8.8	17.2	10.5	13.5	20.4	16.0	18.1
3	9.7	5.1	7.4	10.4	6.5	8.3	18.4	11.7	14.7	18.6	16.8	17.6
4	12.1	8.2	10.0	10.4	5.9	8.1	17.6	12.7	15.1	16.8	14.7	15.6
5	9.0	6.0	7.5	12.8	9.2	10.7	16.9	13.7	15.1	14.7	13.4	13.7
6	7.0	5.0	5.8	12.2	10.7	11.3	16.7	12.1	14.4	16.6	13.8	15.2
7	7.7	5.0	6.2	10.7	6.9	8.6	14.1	10.6	11.5	19.0	15.5	17.0
8	7.4	4.8	5.9	11.7	5.7	8.5	10.7	9.9	10.5	20.7	16.8	18.7
9	7.6	4.6	5.8	14.1	8.5	10.9	10.5	9.6	10.0	21.5	17.6	19.4
10	7.2	5.8	6.3	12.2	7.9	9.8	10.0	9.0	9.4	21.9	18.5	20.2
11	8.2	4.3	6.2	10.5	6.6	8.3	10.7	9.6	10.0	20.8	19.0	19.8
12	8.8	5.1	6.6	13.4	6.3	9.6	14.7	9.5	11.7	20.2	16.9	18.4
13	7.7	3.5	5.6	14.8	8.9	11.7	15.4	10.2	12.6	18.9	14.9	16.8
14	7.0	4.8	6.0	13.5	9.9	11.8	16.6	10.8	13.3	18.8	13.7	16.2
15	8.2	6.8	7.5	10.1	8.6	9.4	17.7	11.9	14.6	17.4	15.7	16.6
16	6.8	1.4	4.4	11.2	9.5	10.3	18.5	12.9	15.4	18.7	15.9	17.2
17	3.9	0.9	2.7	13.2	10.9	11.8	18.3	13.3	15.5	17.9	15.6	16.6
18	6.4	3.9	5.1	13.9	11.7	12.6	14.7	12.1	12.7	15.6	14.3	14.9
19	8.2	4.3	6.1	12.5	10.6	11.6	12.9	11.6	12.2	15.3	13.9	14.4
20	9.3	6.4	7.7	10.6	9.2	9.8	15.0	11.7	13.2	17.6	13.4	15.6
21	8.1	6.5	7.5	13.0	9.9	11.0	15.5	12.5	13.9	16.8	15.3	16.2
22	10.1	7.9	8.6	13.9	9.8	11.7	17.0	13.9	15.1	17.0	15.8	16.3
23	10.8	7.7	9.5	14.8	9.4	11.9	16.2	11.4	13.7	16.1	15.7	15.9
24	11.0	6.4	8.5	15.9	10.2	12.7	15.4	10.5	13.0	17.6	15.5	16.4
25	10.5	7.6	9.0	16.5	9.6	12.8	14.2	13.0	13.6	17.4	16.1	17.0
26	8.7	6.4	7.3	17.5	11.3	14.1	16.1	13.7	14.7	18.4	16.6	17.4
27	6.4	5.2	5.7	16.6	12.2	14.0	17.0	13.2	14.9	17.7	16.2	17.0
28	---	---	---	17.4	11.6	14.3	18.1	12.9	15.4	18.2	14.6	16.4
29	---	---	---	18.4	14.7	16.1	18.9	14.5	16.6	17.8	15.7	16.6
30	---	---	---	16.1	9.9	12.3	19.5	15.4	17.4	18.9	15.0	16.9
31	---	---	---	12.7	8.5	10.2	---	---	---	19.6	16.1	17.2
MONTH	---	---	---	18.4	5.7	11.0	19.5	8.1	13.5	21.9	13.4	16.9

0209750881 WILSON CREEK AT MOUTH NEAR CHAPEL HILL, NC—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.9	15.8	17.2	23.0	21.5	22.0	25.7	22.6	23.6	25.3	22.3	23.6
2	18.2	14.2	16.3	23.0	21.0	21.6	23.6	22.7	23.1	25.3	22.3	23.7
3	17.9	15.5	16.9	21.3	20.4	20.9	24.7	22.3	23.3	25.3	22.3	23.7
4	20.4	17.2	18.5	23.2	19.5	21.2	24.7	22.8	23.6	25.1	22.8	23.7
5	21.1	18.3	19.5	24.1	20.8	22.4	24.1	22.0	23.0	23.4	21.4	22.2
6	20.7	16.8	18.7	24.5	21.7	23.0	23.9	21.6	22.7	21.4	19.5	20.3
7	21.2	19.0	19.9	24.1	22.0	23.1	23.7	22.2	22.8	21.5	18.8	20.0
8	21.5	19.7	20.5	25.1	21.9	23.4	24.1	22.1	23.2	20.9	19.6	20.3
9	22.7	19.7	21.0	26.0	22.6	24.1	24.3	22.1	23.0	21.7	19.2	20.3
10	22.6	18.8	20.7	25.2	22.3	23.7	24.1	22.1	22.8	20.2	18.3	19.3
11	22.6	19.1	20.9	25.8	22.5	23.8	23.9	21.8	22.8	20.4	16.6	18.4
12	23.9	20.5	21.8	25.1	22.0	23.4	24.1	21.9	22.9	20.1	18.0	19.0
13	23.0	20.8	21.8	23.9	21.9	22.8	24.6	22.3	23.2	20.7	18.7	19.6
14	23.9	21.0	22.2	23.2	21.7	22.4	24.8	22.8	23.6	22.4	19.6	20.8
15	25.0	21.3	22.4	24.6	21.5	22.9	24.9	22.2	23.5	22.9	19.7	21.1
16	23.2	21.0	21.8	25.8	22.0	23.6	24.4	22.6	23.5	21.8	18.6	20.7
17	21.0	20.1	20.3	25.4	22.6	23.8	24.6	22.6	23.4	20.5	16.0	18.4
18	21.8	19.8	20.7	25.5	22.3	23.8	24.2	21.9	23.0	19.7	18.0	18.8
19	24.1	20.6	21.5	23.9	22.0	22.9	23.6	21.7	22.5	21.3	18.6	19.7
20	21.6	20.1	20.8	25.2	21.1	23.0	24.1	21.8	22.8	21.9	17.9	19.8
21	20.2	18.2	19.4	25.7	22.0	23.7	24.6	21.6	23.0	22.4	18.2	20.3
22	20.8	17.3	19.1	26.3	22.8	24.2	24.4	22.2	23.0	22.2	20.0	21.1
23	21.9	18.1	20.0	24.2	22.7	23.1	24.4	21.6	22.9	22.3	20.0	21.3
24	22.4	18.4	20.5	24.3	22.3	23.0	24.0	22.0	23.0	20.4	17.9	19.2
25	23.5	19.5	21.4	24.5	21.1	22.7	24.3	20.6	22.4	20.8	17.3	19.1
26	24.1	20.1	22.0	25.1	21.8	23.3	25.1	21.6	23.2	21.3	17.6	19.4
27	24.3	21.1	22.6	25.7	22.1	23.8	25.9	22.1	23.8	21.4	17.6	19.5
28	22.9	20.8	21.7	26.0	22.8	24.3	26.2	22.9	24.4	20.4	17.2	19.1
29	23.5	20.0	21.6	25.7	22.9	24.1	26.4	23.0	24.5	17.5	14.1	15.9
30	24.6	21.0	22.7	23.7	22.4	23.0	26.5	23.1	24.6	16.5	11.9	14.2
31	---	---	---	23.5	21.9	22.6	25.3	22.9	23.8	---	---	---
MONTH	25.0	14.2	20.5	26.3	19.5	23.1	26.5	20.6	23.3	25.3	11.9	20.1

TEMPERATURE, WATER, DEGREES CELSIUS
OCTOBER TO NOVEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.9	12.4	14.5	16.5	11.8	14.0	---	---	---	---	---	---
2	15.7	11.8	14.1	16.9	12.1	14.3	---	---	---	---	---	---
3	14.0	8.8	11.6	17.3	11.8	14.4	---	---	---	---	---	---
4	17.1	11.3	14.0	19.1	13.6	16.3	---	---	---	---	---	---
5	17.1	12.6	14.8	20.5	15.9	17.9	---	---	---	---	---	---
6	17.7	12.7	14.9	20.9	17.6	19.0	---	---	---	---	---	---
7	19.0	14.9	16.6	19.8	17.2	18.5	---	---	---	---	---	---
8	17.6	15.5	16.6	17.2	12.2	15.0	---	---	---	---	---	---
9	19.3	17.2	17.9	12.6	8.7	10.4	---	---	---	---	---	---
10	18.1	16.2	17.3	11.9	7.0	9.3	---	---	---	---	---	---
11	17.9	17.1	17.5	13.7	7.5	10.6	---	---	---	---	---	---
12	19.9	17.0	18.1	17.4	11.5	14.3	---	---	---	---	---	---
13	19.7	16.0	17.8	15.7	7.9	12.5	---	---	---	---	---	---
14	18.8	17.3	18.1	10.4	5.3	7.5	---	---	---	---	---	---
15	18.2	13.9	16.1	11.2	6.6	9.5	---	---	---	---	---	---
16	15.8	11.6	13.7	15.0	10.3	12.4	---	---	---	---	---	---
17	16.8	11.7	14.3	16.8	13.1	14.7	---	---	---	---	---	---
18	15.7	12.6	14.6	17.3	14.3	15.7	---	---	---	---	---	---
19	15.7	10.7	13.1	---	---	---	---	---	---	---	---	---
20	16.3	11.6	13.9	---	---	---	---	---	---	---	---	---
21	18.1	13.5	15.6	---	---	---	---	---	---	---	---	---
22	16.6	12.5	14.9	---	---	---	---	---	---	---	---	---
23	14.0	10.4	12.0	---	---	---	---	---	---	---	---	---
24	12.8	8.5	10.7	---	---	---	---	---	---	---	---	---
25	15.3	10.4	12.7	---	---	---	---	---	---	---	---	---
26	16.3	13.9	15.2	---	---	---	---	---	---	---	---	---
27	17.8	15.5	16.5	---	---	---	---	---	---	---	---	---
28	15.6	13.5	14.0	---	---	---	---	---	---	---	---	---
29	15.0	12.6	13.7	---	---	---	---	---	---	---	---	---
30	14.9	10.8	12.8	---	---	---	---	---	---	---	---	---
31	15.9	11.2	13.5	---	---	---	---	---	---	---	---	---
MONTH	19.9	8.5	14.9	---	---	---	---	---	---	---	---	---