



Water-Data Report 2007

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC

Roanoke Basin
Lower Roanoke Subbasin

LOCATION.--Lat 36°05'11", long 77°18'59" referenced to North American Datum of 1983, Halifax County, NC, Hydrologic Unit 03010107, 2.27 mi northeast of Palmyra, on right bank of Roanoke River.

DRAINAGE AREA.--32.4 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 2006, 2007, discharge measurements only.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Discharge, in ft³/s
Oct 18, 2006	136
Nov 7, 2006	16.5
Apr 4, 2007	-5.29
Apr 24, 2007	38.2
May 2, 2007	15.4
May 15, 2007	9.85
May 30, 2007	0.620
Jun 12, 2007	2.59
Jun 27, 2007	8.88
Jul 17, 2007	4.27
Aug 1, 2007	5.80
Aug 15, 2007	12.8
Sep 5, 2007	2.08
Sep 18, 2007	1.82

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2006 to 2008.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July to November 2006, March to November 2007.

pH: July to November 2006, March to November 2007.

WATER TEMPERATURE: July to November 2006, March to November 2007.

DISSOLVED OXYGEN: July to November 2006, March to October 2007.

DISSOLVED OXYGEN, PERCENT SATURATION: July to November 2006, March to October 2007.

INSTRUMENTATION.--Water-quality monitor with self-logging minisonde July to September 2006, March to November 2007.

REMARKS.--Station operated in cooperation with the U.S. Army Corps of Engineers. Dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 124 microsiemens, October 25, 2007; minimum recorded, 50 microsiemens, September 2, 3, 2006.

pH: Maximum recorded, 7.4 standard units, October 15, 16, 17, 2006, April 18, 19, 2007; minimum recorded, 5.9 standard units, September 3, 4, 2006.

WATER TEMPERATURE: Maximum recorded, 31.4°C, August 4, 2006; minimum recorded, 7.9°C, November 5, 2006.

DISSOLVED OXYGEN: Maximum recorded, 10.7 mg/L, April 16, 17, 19, 21, 2007; minimum recorded, 0.1, July 23, 24, 25, 26, 27, 2006.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 119%, July 12, 13, 15, 2006; minimum recorded, 1%, July 23, 24, 25, 26, 27, 2006.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 124 microsiemens, October 25, 2007; minimum recorded, 72 microsiemens, October 7, 2006.

pH: Maximum recorded, 7.4 standard units, October 15, 16, 17, 2006, April 18, 19, 2007; minimum recorded, 6.0 standard units, October 21, 2006.

WATER TEMPERATURE: Maximum recorded, 31.0°C, August 8, 9, 2007; minimum recorded, 7.9°C, November 5, 2006.

DISSOLVED OXYGEN: Maximum recorded, 10.7 mg/L, April 16, 17, 18, 19, 21, 2007; minimum recorded, 1.3 mg/L, May 2, 2007.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 109%, April 16, 2007; minimum recorded, 14%, May 2, 2007.

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Remark codes: <, less than.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Data base number
Oct 18...	1345	Environmental	136	3.8	6.2	95	17.1	2.2	01
Nov 07...	1110	Environmental	16	--	6.2	93	10.4	1.5	01
Apr 04...	1130	Environmental	-5.3	9.0	6.3	97	16.6	<1.0	01
24...	1210	Environmental	38	8.6	7.0	102	15.0	<1.0	01
May 02...	1145	Environmental	15	3.6	7.1	105	20.4	7.0	01
15...	1345	Environmental	9.8	7.0	6.6	103	18.3	3.8	01
15...	1350	<i>Replicate</i>	9.8	7.0	6.6	103	18.3	4.7	04
30...	1230	Environmental	.62	5.3	6.8	108	24.3	1.5	01
Jun 12...	1345	Environmental	2.6	6.4	6.8	105	25.3	<1.0	01
12...	1350	<i>Replicate</i>	2.6	6.4	6.8	105	25.3	1.1	04
27...	1015	Environmental	8.9	5.5	6.8	103	26.5	<1.0	01
Jul 17...	1230	Environmental	4.3	6.3	6.7	106	27.6	<1.0	01
Aug 01...	1000	Environmental	5.8	5.3	6.6	96	25.2	<1.0	01
15...	1200	Environmental	13	6.1	6.5	92	25.4	1.3	01
Sep 05...	0945	Environmental	2.1	6.8	6.9	93	22.9	<1.0	01
18...	1445	Environmental	1.8	8.7	6.5	105	20.4	<1.0	01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[Remark codes: <, less than.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
Oct 03...	1640	2.2	7.3	6.4	103	22.5	<1.0
Nov 06...	1210	4.0	8.6	6.5	124	12.2	<1.0

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**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	78	76	77	105	99	103	---	---	---	---	---	---
2	77	76	77	103	98	100	---	---	---	---	---	---
3	77	76	76	111	103	106	---	---	---	---	---	---
4	91	76	82	117	110	114	---	---	---	---	---	---
5	105	87	91	113	103	108	---	---	---	---	---	---
6	91	78	84	105	102	104	---	---	---	---	---	---
7	78	72	73	---	---	---	---	---	---	---	---	---
8	83	75	80	---	---	---	---	---	---	---	---	---
9	86	83	85	---	---	---	---	---	---	---	---	---
10	89	85	87	---	---	---	---	---	---	---	---	---
11	85	83	84	---	---	---	---	---	---	---	---	---
12	90	84	85	---	---	---	---	---	---	---	---	---
13	93	86	89	---	---	---	---	---	---	---	---	---
14	91	88	89	---	---	---	---	---	---	---	---	---
15	104	90	101	---	---	---	---	---	---	---	---	---
16	105	104	104	---	---	---	---	---	---	---	---	---
17	105	100	103	---	---	---	---	---	---	---	---	---
18	100	91	96	---	---	---	---	---	---	---	---	---
19	91	89	90	---	---	---	---	---	---	---	---	---
20	96	90	91	---	---	---	---	---	---	---	---	---
21	102	95	97	---	---	---	---	---	---	---	---	---
22	98	94	96	---	---	---	---	---	---	---	---	---
23	97	93	95	---	---	---	---	---	---	---	---	---
24	101	97	99	---	---	---	---	---	---	---	---	---
25	102	98	100	---	---	---	---	---	---	---	---	---
26	101	97	99	---	---	---	---	---	---	---	---	---
27	101	96	98	---	---	---	---	---	---	---	---	---
28	96	90	93	---	---	---	---	---	---	---	---	---
29	95	91	93	---	---	---	---	---	---	---	---	---
30	99	95	97	---	---	---	---	---	---	---	---	---
31	102	99	101	---	---	---	---	---	---	---	---	---
Month	105	72	91	---	---	---	---	---	---	---	---	---

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	105	98	102	104	97	100
2	---	---	---	---	---	---	98	97	97	110	104	107
3	---	---	---	---	---	---	99	97	98	110	108	109
4	---	---	---	---	---	---	99	98	98	110	97	103
5	---	---	---	---	---	---	100	99	99	97	92	94
6	---	---	---	---	---	---	100	99	100	97	92	95
7	---	---	---	---	---	---	101	93	99	98	95	97
8	---	---	---	---	---	---	98	91	95	100	97	98
9	---	---	---	---	---	---	97	92	94	103	99	100
10	---	---	---	---	---	---	100	94	97	107	98	101
11	---	---	---	---	---	---	102	96	98	111	103	108
12	---	---	---	---	---	---	101	95	98	112	109	110
13	---	---	---	---	---	---	100	96	99	111	104	107
14	---	---	---	---	---	---	101	96	99	109	103	105
15	---	---	---	---	---	---	98	80	95	109	103	105
16	---	---	---	---	---	---	88	78	84	109	102	104
17	---	---	---	---	---	---	101	88	94	107	97	100
18	---	---	---	---	---	---	99	98	99	98	96	97
19	---	---	---	---	---	---	100	99	99	102	97	99
20	---	---	---	---	---	---	101	100	101	106	98	101
21	---	---	---	---	---	---	102	101	101	109	100	103
22	---	---	---	---	---	---	103	101	102	109	99	103
23	---	---	---	89	84	86	104	102	103	106	100	102
24	---	---	---	90	84	85	104	102	103	108	101	103
25	---	---	---	99	90	95	102	99	100	108	100	104
26	---	---	---	100	93	97	100	99	99	109	103	106
27	---	---	---	98	93	95	99	97	98	111	105	107
28	---	---	---	100	93	96	97	95	96	111	107	108
29	---	---	---	99	91	94	95	94	94	110	106	107
30	---	---	---	95	87	89	101	94	95	109	107	108
31	---	---	---	104	90	94	---	---	---	110	109	109
Month	---	---	---	---	---	---	105	78	98	112	92	103

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	110	108	109	111	109	110	97	94	95	99	97	98
2	113	108	110	110	108	109	96	94	96	---	---	---
3	113	102	107	110	109	109	99	95	97	---	---	---
4	104	102	102	111	109	110	100	97	98	---	---	---
5	108	102	106	110	109	110	104	99	103	---	---	---
6	111	107	109	111	110	110	106	104	105	---	---	---
7	119	108	111	112	111	111	108	106	107	---	---	---
8	---	---	---	113	112	112	110	107	108	102	91	96
9	---	---	---	114	112	113	---	---	---	---	---	---
10	---	---	---	117	105	114	---	---	---	---	---	---
11	---	---	---	106	103	103	---	---	---	---	---	---
12	---	---	---	103	102	102	95	89	92	---	---	---
13	104	102	103	104	101	102	---	---	---	---	---	---
14	103	100	102	105	104	104	---	---	---	---	---	---
15	101	98	100	106	103	104	---	---	---	---	---	---
16	99	96	97	110	105	107	---	---	---	---	---	---
17	97	96	97	110	91	105	---	---	---	---	---	---
18	97	95	96	100	93	98	94	90	91	---	---	---
19	114	95	105	105	94	101	---	---	---	96	95	96
20	108	103	104	109	105	106	---	---	---	96	95	96
21	106	96	99	---	---	---	---	---	---	99	96	97
22	98	96	97	---	---	---	---	---	---	101	98	99
23	98	96	97	---	---	---	---	---	---	102	101	101
24	97	96	96	---	---	---	---	---	---	103	102	102
25	98	96	97	---	---	---	---	---	---	103	102	103
26	98	97	97	---	---	---	---	---	---	103	101	102
27	99	97	99	98	92	97	---	---	---	106	102	104
28	101	99	100	99	98	98	96	95	96	109	105	107
29	107	101	104	99	98	98	98	96	97	108	106	108
30	111	107	110	---	---	---	99	97	98	108	104	105
31	---	---	---	---	---	---	99	97	98	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	106	104	105	---	---	---	---	---	---	---	---	---
2	106	103	105	---	---	---	---	---	---	---	---	---
3	107	103	104	---	---	---	---	---	---	---	---	---
4	111	104	106	---	---	---	---	---	---	---	---	---
5	110	106	108	---	---	---	---	---	---	---	---	---
6	113	110	111	---	---	---	---	---	---	---	---	---
7	115	112	114	---	---	---	---	---	---	---	---	---
8	117	114	115	---	---	---	---	---	---	---	---	---
9	119	116	117	---	---	---	---	---	---	---	---	---
10	120	117	118	---	---	---	---	---	---	---	---	---
11	120	118	119	---	---	---	---	---	---	---	---	---
12	119	116	117	---	---	---	---	---	---	---	---	---
13	116	112	114	---	---	---	---	---	---	---	---	---
14	112	110	111	---	---	---	---	---	---	---	---	---
15	110	109	109	---	---	---	---	---	---	---	---	---
16	109	108	109	---	---	---	---	---	---	---	---	---
17	109	107	108	---	---	---	---	---	---	---	---	---
18	111	108	109	---	---	---	---	---	---	---	---	---
19	113	109	112	---	---	---	---	---	---	---	---	---
20	120	112	116	---	---	---	---	---	---	---	---	---
21	122	120	120	---	---	---	---	---	---	---	---	---
22	121	117	119	---	---	---	---	---	---	---	---	---
23	121	117	119	---	---	---	---	---	---	---	---	---
24	121	105	117	---	---	---	---	---	---	---	---	---
25	124	112	120	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	6.5	6.4	6.5	6.4	6.3	6.3	---	---	---	---	---	---
2	6.5	6.5	6.5	6.4	6.3	6.3	---	---	---	---	---	---
3	6.5	6.5	6.5	6.6	6.3	6.3	---	---	---	---	---	---
4	6.7	6.4	6.5	7.3	6.3	6.9	---	---	---	---	---	---
5	7.0	6.4	6.5	6.5	6.1	6.3	---	---	---	---	---	---
6	6.6	6.3	6.4	6.3	6.1	6.2	---	---	---	---	---	---
7	6.4	6.1	6.2	---	---	---	---	---	---	---	---	---
8	6.2	6.1	6.2	---	---	---	---	---	---	---	---	---
9	6.3	6.2	6.2	---	---	---	---	---	---	---	---	---
10	6.3	6.2	6.2	---	---	---	---	---	---	---	---	---
11	6.3	6.2	6.2	---	---	---	---	---	---	---	---	---
12	6.5	6.2	6.3	---	---	---	---	---	---	---	---	---
13	6.6	6.2	6.3	---	---	---	---	---	---	---	---	---
14	6.5	6.3	6.4	---	---	---	---	---	---	---	---	---
15	7.4	6.5	7.3	---	---	---	---	---	---	---	---	---
16	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
17	7.4	6.6	6.8	---	---	---	---	---	---	---	---	---
18	6.6	6.2	6.3	---	---	---	---	---	---	---	---	---
19	6.2	6.1	6.1	---	---	---	---	---	---	---	---	---
20	6.2	6.1	6.1	---	---	---	---	---	---	---	---	---
21	6.3	6.0	6.0	---	---	---	---	---	---	---	---	---
22	6.3	6.1	6.2	---	---	---	---	---	---	---	---	---
23	6.4	6.2	6.3	---	---	---	---	---	---	---	---	---
24	6.5	6.3	6.4	---	---	---	---	---	---	---	---	---
25	6.5	6.3	6.4	---	---	---	---	---	---	---	---	---
26	6.5	6.3	6.4	---	---	---	---	---	---	---	---	---
27	6.5	6.3	6.4	---	---	---	---	---	---	---	---	---
28	6.4	6.2	6.2	---	---	---	---	---	---	---	---	---
29	6.3	6.2	6.2	---	---	---	---	---	---	---	---	---
30	6.3	6.2	6.3	---	---	---	---	---	---	---	---	---
31	6.4	6.3	6.3	---	---	---	---	---	---	---	---	---
Max	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
Min	6.2	6.0	6.0	---	---	---	---	---	---	---	---	---

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	6.9	6.8	6.8	6.6	6.2	6.2
2	---	---	---	---	---	---	7.0	6.9	6.9	---	---	---
3	---	---	---	---	---	---	7.0	6.8	6.9	---	---	---
4	---	---	---	---	---	---	7.3	6.8	7.0	---	---	---
5	---	---	---	---	---	---	7.3	7.2	7.3	---	---	---
6	---	---	---	---	---	---	7.3	7.3	7.3	---	---	---
7	---	---	---	---	---	---	7.3	6.7	7.1	---	---	---
8	---	---	---	---	---	---	6.7	6.4	6.5	---	---	---
9	---	---	---	---	---	---	6.5	6.3	6.4	---	---	---
10	---	---	---	---	---	---	6.5	6.3	6.4	---	---	---
11	---	---	---	---	---	---	6.6	6.2	6.4	---	---	---
12	---	---	---	---	---	---	6.5	6.4	6.4	---	---	---
13	---	---	---	---	---	---	6.7	6.5	6.6	---	---	---
14	---	---	---	---	---	---	6.9	6.4	6.7	---	---	---
15	---	---	---	---	---	---	6.6	6.3	6.3	---	---	---
16	---	---	---	---	---	---	6.6	6.3	6.4	6.8	6.5	6.6
17	---	---	---	---	---	---	7.3	6.4	6.5	6.8	6.5	6.5
18	---	---	---	---	---	---	7.4	7.3	7.3	6.7	6.4	6.6
19	---	---	---	---	---	---	7.4	7.3	7.3	6.7	6.6	6.6
20	---	---	---	---	---	---	7.3	7.3	7.3	6.7	6.5	6.6
21	---	---	---	---	---	---	7.3	7.3	7.3	6.8	6.6	6.6
22	---	---	---	---	---	---	7.3	7.2	7.3	6.8	6.5	6.6
23	---	---	---	6.8	6.4	6.6	7.2	6.9	7.1	6.8	6.6	6.7
24	---	---	---	6.6	6.2	6.3	7.0	6.7	6.8	7.0	6.6	6.7
25	---	---	---	6.8	6.4	6.6	6.8	6.8	6.8	6.9	6.6	6.7
26	---	---	---	6.8	6.2	6.5	6.8	6.7	6.8	7.0	6.6	6.7
27	---	---	---	6.9	6.5	6.7	6.7	6.6	6.6	7.0	6.6	6.8
28	---	---	---	6.9	6.7	6.8	6.6	6.5	6.5	7.2	6.8	7.0
29	---	---	---	6.9	6.6	6.7	6.5	6.4	6.4	7.2	6.8	7.1
30	---	---	---	6.8	6.3	6.4	6.6	6.2	6.3	7.2	6.8	7.0
31	---	---	---	6.9	6.4	6.4	---	---	---	7.2	6.9	7.0
Max	---	---	---	---	---	---	7.4	7.3	7.3	---	---	---
Min	---	---	---	---	---	---	6.5	6.2	6.3	---	---	---

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.2	6.8	7.0	6.6	6.5	6.5	6.7	6.6	6.6	6.7	6.5	6.6
2	7.2	6.8	7.0	6.7	6.5	6.6	6.6	6.5	6.6	6.7	6.6	6.6
3	7.0	6.6	6.9	6.7	6.6	6.6	6.6	6.5	6.5	---	---	---
4	6.8	6.4	6.6	6.8	6.6	6.7	6.6	6.5	6.5	---	---	---
5	6.7	6.4	6.5	6.8	6.6	6.7	6.6	6.5	6.5	---	---	---
6	6.9	6.5	6.7	6.8	6.7	6.7	6.6	6.5	6.6	6.9	6.7	6.8
7	7.0	6.7	6.8	6.8	6.6	6.7	6.6	6.5	6.6	---	---	---
8	---	---	---	6.9	6.7	6.8	6.6	6.5	6.6	6.9	6.8	6.8
9	---	---	---	6.9	6.7	6.7	---	---	---	---	---	---
10	---	---	---	6.7	6.5	6.6	---	---	---	---	---	---
11	---	---	---	6.6	6.5	6.5	---	---	---	---	---	---
12	---	---	---	6.6	6.6	6.6	6.3	6.2	6.2	---	---	---
13	6.7	6.7	6.7	6.6	6.5	6.6	6.4	6.2	6.3	---	---	---
14	6.7	6.7	6.7	6.7	6.5	6.6	6.7	6.3	6.5	---	---	---
15	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.3	6.5	---	---	---
16	6.7	6.6	6.7	6.7	6.6	6.6	6.5	6.5	6.5	---	---	---
17	6.7	6.6	6.6	6.8	6.4	6.6	6.5	6.4	6.4	---	---	---
18	6.7	6.6	6.6	6.5	6.3	6.4	6.5	6.4	6.4	---	---	---
19	6.9	6.4	6.6	6.4	6.2	6.3	---	---	---	6.7	6.6	6.7
20	7.0	6.6	6.8	6.5	6.3	6.4	---	---	---	6.7	6.6	6.7
21	6.8	6.4	6.4	---	---	---	---	---	---	6.7	6.6	6.6
22	6.6	6.4	6.5	---	---	---	---	---	---	6.8	6.6	6.7
23	6.6	6.5	6.6	---	---	---	---	---	---	6.7	6.6	6.7
24	6.7	6.6	6.6	---	---	---	---	---	---	6.7	6.6	6.6
25	6.7	6.6	6.6	---	---	---	6.8	6.3	6.4	6.7	6.6	6.6
26	6.7	6.6	6.6	---	---	---	6.6	6.3	6.4	6.7	6.5	6.6
27	6.8	6.6	6.7	6.6	6.5	6.5	6.6	6.4	6.5	6.6	6.5	6.6
28	6.7	6.6	6.7	6.6	6.5	6.5	6.6	6.5	6.5	6.6	6.5	6.6
29	6.6	6.5	6.6	6.6	6.5	6.6	6.6	6.5	6.6	6.7	6.5	6.6
30	6.6	6.5	6.6	6.6	6.5	6.6	6.6	6.5	6.6	6.6	6.5	6.6
31	---	---	---	6.7	6.5	6.7	6.6	6.5	6.5	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	6.6	6.5	6.5	6.8	6.7	6.7	---	---	---	---	---	---
2	6.6	6.5	6.6	6.9	6.8	6.8	---	---	---	---	---	---
3	6.7	6.6	6.6	6.8	6.7	6.8	---	---	---	---	---	---
4	6.6	6.5	6.6	6.7	6.6	6.7	---	---	---	---	---	---
5	6.6	6.4	6.5	6.8	6.7	6.7	---	---	---	---	---	---
6	6.5	6.4	6.5	---	---	---	---	---	---	---	---	---
7	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
8	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
9	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
10	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
11	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
12	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
13	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
14	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
15	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
16	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
17	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
18	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
19	6.6	6.4	6.5	---	---	---	---	---	---	---	---	---
20	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
21	6.6	6.5	6.6	---	---	---	---	---	---	---	---	---
22	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
23	6.5	6.4	6.5	---	---	---	---	---	---	---	---	---
24	6.5	6.2	6.4	---	---	---	---	---	---	---	---	---
25	6.5	6.1	6.3	---	---	---	---	---	---	---	---	---
26	6.8	6.5	6.6	---	---	---	---	---	---	---	---	---
27	6.7	6.2	6.6	---	---	---	---	---	---	---	---	---
28	6.4	6.2	6.2	---	---	---	---	---	---	---	---	---
29	6.6	6.3	6.5	---	---	---	---	---	---	---	---	---
30	6.7	6.5	6.6	---	---	---	---	---	---	---	---	---
31	6.8	6.6	6.7	---	---	---	---	---	---	---	---	---
Max	6.8	6.6	6.7	---	---	---	---	---	---	---	---	---
Min	6.4	6.1	6.2	---	---	---	---	---	---	---	---	---

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	21.0	18.2	19.4	16.7	13.6	15.0	---	---	---	---	---	---
2	20.6	17.8	19.2	15.6	13.7	14.9	---	---	---	---	---	---
3	20.9	17.4	19.0	13.7	11.5	12.3	---	---	---	---	---	---
4	21.7	19.0	19.8	15.3	10.2	13.1	---	---	---	---	---	---
5	23.0	20.4	21.5	11.7	7.9	9.8	---	---	---	---	---	---
6	22.2	18.8	20.9	10.0	8.3	9.1	---	---	---	---	---	---
7	18.8	15.8	16.5	---	---	---	---	---	---	---	---	---
8	18.9	17.0	17.9	---	---	---	---	---	---	---	---	---
9	19.3	17.6	18.3	---	---	---	---	---	---	---	---	---
10	20.8	17.9	18.8	---	---	---	---	---	---	---	---	---
11	20.8	18.1	19.2	---	---	---	---	---	---	---	---	---
12	20.3	18.5	19.2	---	---	---	---	---	---	---	---	---
13	20.5	17.4	18.9	---	---	---	---	---	---	---	---	---
14	17.9	15.8	16.7	---	---	---	---	---	---	---	---	---
15	20.4	16.0	19.3	---	---	---	---	---	---	---	---	---
16	19.9	19.4	19.7	---	---	---	---	---	---	---	---	---
17	19.7	17.1	18.4	---	---	---	---	---	---	---	---	---
18	19.2	16.9	17.7	---	---	---	---	---	---	---	---	---
19	19.1	17.9	18.2	---	---	---	---	---	---	---	---	---
20	19.3	18.8	19.0	---	---	---	---	---	---	---	---	---
21	19.5	16.7	18.4	---	---	---	---	---	---	---	---	---
22	17.3	14.7	15.9	---	---	---	---	---	---	---	---	---
23	15.4	14.6	15.0	---	---	---	---	---	---	---	---	---
24	15.4	12.7	14.0	---	---	---	---	---	---	---	---	---
25	13.8	11.0	12.3	---	---	---	---	---	---	---	---	---
26	12.6	10.0	11.2	---	---	---	---	---	---	---	---	---
27	12.4	11.1	11.6	---	---	---	---	---	---	---	---	---
28	16.4	11.6	14.1	---	---	---	---	---	---	---	---	---
29	14.7	11.1	12.9	---	---	---	---	---	---	---	---	---
30	15.0	11.3	13.1	---	---	---	---	---	---	---	---	---
31	14.9	12.2	13.6	---	---	---	---	---	---	---	---	---
Month	23.0	10.0	17.1	---	---	---	---	---	---	---	---	---

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	15.3	14.3	14.7	20.4	18.7	19.4
2	---	---	---	---	---	---	15.4	14.7	15.0	20.5	19.5	19.9
3	---	---	---	---	---	---	15.9	15.1	15.4	20.8	19.8	20.3
4	---	---	---	---	---	---	16.0	15.3	15.7	20.0	17.3	18.6
5	---	---	---	---	---	---	15.3	14.1	14.6	18.5	16.3	17.0
6	---	---	---	---	---	---	15.3	14.2	14.7	19.1	17.4	18.2
7	---	---	---	---	---	---	14.2	12.2	13.2	18.5	15.2	16.6
8	---	---	---	---	---	---	14.3	9.0	11.4	18.3	15.6	16.4
9	---	---	---	---	---	---	13.4	9.4	10.5	19.1	16.6	17.3
10	---	---	---	---	---	---	12.5	10.3	11.2	19.7	18.6	19.1
11	---	---	---	---	---	---	12.6	11.1	12.1	20.4	19.4	19.9
12	---	---	---	---	---	---	13.5	12.2	12.8	20.7	20.0	20.3
13	---	---	---	---	---	---	14.8	13.5	14.2	20.4	19.2	19.8
14	---	---	---	---	---	---	14.9	14.2	14.5	19.2	16.7	18.0
15	---	---	---	---	---	---	17.1	14.4	15.0	19.8	17.8	18.8
16	---	---	---	---	---	---	16.7	11.0	14.0	20.7	19.3	19.9
17	---	---	---	---	---	---	14.4	11.6	13.3	21.1	20.1	20.6
18	---	---	---	---	---	---	13.9	13.3	13.5	20.1	18.2	18.7
19	---	---	---	---	---	---	13.7	13.2	13.4	19.8	16.3	17.6
20	---	---	---	---	---	---	13.9	13.3	13.6	20.1	17.1	18.5
21	---	---	---	---	---	---	14.2	13.4	13.8	21.2	18.6	19.7
22	---	---	---	---	---	---	14.7	13.8	14.1	21.6	20.0	20.7
23	---	---	---	15.7	11.9	13.7	14.5	13.9	14.2	21.6	19.8	20.8
24	---	---	---	19.9	14.6	16.2	14.5	13.8	14.1	21.6	19.8	20.8
25	---	---	---	15.3	14.5	14.8	16.7	14.5	15.9	21.8	20.2	21.1
26	---	---	---	14.7	14.2	14.4	17.2	16.6	17.0	22.3	21.7	22.0
27	---	---	---	14.7	13.8	14.2	18.2	16.9	17.7	23.4	22.3	22.8
28	---	---	---	15.4	14.0	14.9	19.1	18.1	18.5	23.8	23.0	23.3
29	---	---	---	15.8	14.7	15.2	20.3	17.8	18.9	23.9	23.0	23.4
30	---	---	---	17.6	12.4	14.9	22.7	17.0	19.4	24.7	23.2	23.9
31	---	---	---	17.3	13.8	15.1	---	---	---	24.4	23.4	23.9
Month	---	---	---	---	---	---	22.7	9.0	14.5	24.7	15.2	19.9

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	24.1	23.3	23.7	28.6	25.8	27.1	28.7	25.2	26.9	26.1	24.4	25.3
2	24.2	23.7	24.0	26.9	23.5	25.4	28.4	24.9	26.8	25.2	22.1	23.8
3	26.3	22.9	24.3	26.3	23.1	24.8	28.6	25.5	27.0	---	---	---
4	28.2	22.4	25.2	26.9	23.2	25.0	29.4	26.4	27.8	---	---	---
5	28.7	23.8	26.2	27.8	24.0	25.9	29.5	27.0	28.5	---	---	---
6	28.2	23.9	26.1	28.9	25.6	27.1	29.9	27.3	28.7	25.9	23.6	24.9
7	28.8	23.3	26.0	28.4	25.7	27.1	30.8	27.7	29.3	25.6	23.4	24.6
8	---	---	---	29.0	25.4	27.2	31.0	28.6	30.0	25.4	22.7	24.2
9	---	---	---	29.5	26.8	28.3	---	---	---	24.8	22.8	24.0
10	---	---	---	29.4	27.8	28.3	---	---	---	---	---	---
11	---	---	---	29.8	26.2	27.9	---	---	---	---	---	---
12	---	---	---	29.1	26.7	28.0	27.7	24.4	26.1	---	---	---
13	26.3	24.0	25.1	28.4	26.1	26.8	28.5	24.9	26.6	---	---	---
14	25.6	22.0	23.1	27.2	24.0	25.6	28.2	24.9	26.6	---	---	---
15	22.0	20.1	21.0	28.6	25.3	26.7	28.1	24.9	26.6	---	---	---
16	23.7	21.0	22.1	29.4	26.2	27.7	29.1	26.2	27.6	---	---	---
17	26.1	22.7	24.2	28.8	26.4	27.5	28.5	26.4	27.4	---	---	---
18	27.5	23.8	25.6	28.6	25.0	26.6	28.0	25.8	27.1	---	---	---
19	27.6	26.0	26.7	30.0	25.9	27.8	27.4	24.9	26.1	20.9	19.9	20.3
20	26.5	26.0	26.2	29.1	27.2	27.9	---	---	---	21.4	20.8	21.1
21	26.0	23.9	24.9	---	---	---	---	---	---	22.8	21.4	22.1
22	27.1	23.9	25.0	---	---	---	---	---	---	24.2	22.2	23.2
23	27.3	23.8	25.7	---	---	---	---	---	---	24.7	22.8	23.9
24	27.9	23.7	25.8	---	---	---	---	---	---	24.6	22.4	23.3
25	27.9	25.3	26.5	---	---	---	28.2	26.9	27.6	22.9	20.6	21.9
26	28.9	25.8	27.2	---	---	---	28.6	27.1	27.9	23.6	21.0	22.4
27	29.4	26.4	27.8	27.7	24.7	26.1	27.8	26.0	26.9	23.6	21.9	22.9
28	29.6	26.4	28.0	27.7	24.8	26.1	28.2	25.5	26.9	24.0	22.7	23.3
29	29.5	26.4	27.9	28.3	25.3	26.8	27.5	25.1	26.4	22.9	19.8	21.0
30	28.7	25.9	27.2	27.7	26.2	26.8	26.8	24.1	25.5	21.0	18.3	19.7
31	---	---	---	28.2	25.4	26.7	26.3	23.7	25.2	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	20.7	18.2	19.6	16.8	13.7	15.0	---	---	---	---	---	---
2	21.2	19.6	20.5	16.1	14.2	15.0	---	---	---	---	---	---
3	22.7	20.4	21.5	15.0	13.3	14.1	---	---	---	---	---	---
4	23.6	21.9	22.8	14.2	11.3	12.7	---	---	---	---	---	---
5	23.4	22.6	23.1	13.2	10.5	11.9	---	---	---	---	---	---
6	23.6	22.6	23.1	---	---	---	---	---	---	---	---	---
7	23.9	22.2	23.2	---	---	---	---	---	---	---	---	---
8	24.1	22.4	23.5	---	---	---	---	---	---	---	---	---
9	24.5	22.9	23.8	---	---	---	---	---	---	---	---	---
10	24.2	23.0	23.6	---	---	---	---	---	---	---	---	---
11	23.4	19.5	21.6	---	---	---	---	---	---	---	---	---
12	19.5	16.9	18.0	---	---	---	---	---	---	---	---	---
13	17.6	15.9	16.8	---	---	---	---	---	---	---	---	---
14	16.9	15.1	16.2	---	---	---	---	---	---	---	---	---
15	17.1	15.3	16.4	---	---	---	---	---	---	---	---	---
16	17.5	15.6	16.7	---	---	---	---	---	---	---	---	---
17	18.9	16.9	17.9	---	---	---	---	---	---	---	---	---
18	20.2	18.5	19.3	---	---	---	---	---	---	---	---	---
19	21.8	20.2	21.0	---	---	---	---	---	---	---	---	---
20	21.8	19.5	21.1	---	---	---	---	---	---	---	---	---
21	19.5	16.9	18.0	---	---	---	---	---	---	---	---	---
22	19.3	17.1	18.2	---	---	---	---	---	---	---	---	---
23	21.0	18.5	19.6	---	---	---	---	---	---	---	---	---
24	22.3	21.0	21.6	---	---	---	---	---	---	---	---	---
25	21.5	20.3	20.8	---	---	---	---	---	---	---	---	---
26	20.9	20.1	20.4	---	---	---	---	---	---	---	---	---
27	21.6	20.7	21.0	---	---	---	---	---	---	---	---	---
28	20.7	17.2	18.9	---	---	---	---	---	---	---	---	---
29	17.2	14.4	15.5	---	---	---	---	---	---	---	---	---
30	14.9	12.2	13.7	---	---	---	---	---	---	---	---	---
31	15.3	12.0	13.6	---	---	---	---	---	---	---	---	---
Month	24.5	12.0	19.7	---	---	---	---	---	---	---	---	---

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	8.0	6.4	7.3	---	---	---	---	---	---
2	---	---	---	7.6	6.3	6.9	---	---	---	---	---	---
3	---	---	---	7.4	5.7	6.2	---	---	---	---	---	---
4	---	---	---	10.0	5.5	7.7	---	---	---	---	---	---
5	---	---	---	7.3	5.4	6.1	---	---	---	---	---	---
6	---	---	---	6.5	5.7	6.2	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	4.8	3.0	3.7	---	---	---	---	---	---	---	---	---
20	4.5	2.9	3.8	---	---	---	---	---	---	---	---	---
21	4.9	2.8	3.7	---	---	---	---	---	---	---	---	---
22	6.0	4.2	5.2	---	---	---	---	---	---	---	---	---
23	6.4	5.9	6.2	---	---	---	---	---	---	---	---	---
24	7.1	4.1	6.1	---	---	---	---	---	---	---	---	---
25	6.1	3.4	5.3	---	---	---	---	---	---	---	---	---
26	6.8	5.3	6.1	---	---	---	---	---	---	---	---	---
27	8.3	6.3	7.7	---	---	---	---	---	---	---	---	---
28	8.5	6.5	7.4	---	---	---	---	---	---	---	---	---
29	8.0	6.0	6.8	---	---	---	---	---	---	---	---	---
30	7.9	6.6	7.2	---	---	---	---	---	---	---	---	---
31	8.2	6.8	7.4	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	7.2	1.5	3.7
2	---	---	---	---	---	---	---	---	---	6.9	1.3	4.2
3	---	---	---	---	---	---	---	---	---	5.8	1.7	4.4
4	---	---	---	---	---	---	---	---	---	5.8	2.5	4.3
5	---	---	---	---	---	---	10.5	10.1	10.3	5.2	3.5	4.9
6	---	---	---	---	---	---	10.4	10.0	10.2	6.4	4.9	5.3
7	---	---	---	---	---	---	10.3	7.6	9.2	6.5	4.5	6.1
8	---	---	---	---	---	---	10.1	6.1	7.8	6.7	4.3	6.0
9	---	---	---	---	---	---	9.9	7.3	8.2	6.0	3.8	5.3
10	---	---	---	---	---	---	10.3	8.3	9.2	7.0	4.7	5.4
11	---	---	---	---	---	---	10.0	7.9	8.5	7.0	2.0	5.3
12	---	---	---	---	---	---	8.6	7.3	7.7	7.3	5.3	6.2
13	---	---	---	---	---	---	9.1	7.6	8.5	6.9	4.2	5.3
14	---	---	---	---	---	---	9.5	6.5	8.3	6.5	5.2	5.8
15	---	---	---	---	---	---	8.4	6.5	7.2	7.1	5.6	6.4
16	---	---	---	---	---	---	10.7	6.5	8.3	7.2	5.5	6.1
17	---	---	---	---	---	---	10.7	6.8	8.8	7.2	5.3	5.8
18	---	---	---	---	---	---	10.6	10.3	10.5	6.8	5.5	5.8
19	---	---	---	---	---	---	10.7	10.4	10.6	7.5	6.1	6.8
20	---	---	---	---	---	---	10.6	10.4	10.5	7.0	5.5	6.5
21	---	---	---	---	---	---	10.7	10.4	10.5	6.6	5.0	5.8
22	---	---	---	---	---	---	10.6	9.8	10.3	6.8	4.2	5.3
23	---	---	---	---	---	---	10.1	8.1	9.5	6.7	4.2	5.3
24	---	---	---	---	---	---	9.2	6.6	7.4	6.6	4.2	5.4
25	---	---	---	---	---	---	8.2	6.8	7.6	6.4	3.9	5.1
26	---	---	---	---	---	---	8.1	6.9	7.8	6.9	3.4	4.9
27	---	---	---	---	---	---	7.7	6.7	7.2	6.9	2.6	4.9
28	---	---	---	---	---	---	6.9	6.0	6.2	7.2	4.1	6.2
29	---	---	---	---	---	---	6.2	4.7	5.5	7.2	2.9	5.7
30	---	---	---	---	---	---	8.2	2.8	5.4	6.9	3.1	5.0
31	---	---	---	---	---	---	---	---	---	6.0	2.8	4.0
Month	---	---	---	---	---	---	---	---	---	7.5	1.3	5.4

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DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	5.8	2.1	4.0	---	---	---	---	---	---	---	---	---
2	6.0	1.6	3.8	---	---	---	5.7	4.8	5.1	---	---	---
3	6.3	2.6	4.8	---	---	---	---	---	---	---	---	---
4	6.7	4.4	5.7	---	---	---	---	---	---	---	---	---
5	6.7	5.8	6.2	---	---	---	---	---	---	---	---	---
6	6.7	5.5	6.3	---	---	---	---	---	---	7.0	5.2	6.1
7	6.9	3.4	5.9	---	---	---	---	---	---	7.2	5.9	6.4
8	---	---	---	---	---	---	---	---	---	6.9	5.1	6.1
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	6.5	5.1	5.7	---	---	---	---	---	---	---	---	---
14	6.7	5.4	6.0	---	---	---	---	---	---	---	---	---
15	7.5	6.2	6.8	---	---	---	---	---	---	---	---	---
16	7.5	6.2	6.7	---	---	---	6.4	5.7	5.9	---	---	---
17	7.2	5.3	6.2	---	---	---	---	---	---	---	---	---
18	6.9	5.1	5.7	---	---	---	---	---	---	---	---	---
19	6.5	2.4	4.7	---	---	---	---	---	---	7.7	7.1	7.3
20	6.5	2.6	5.2	---	---	---	---	---	---	7.4	6.8	7.1
21	5.3	2.8	4.0	---	---	---	---	---	---	7.5	6.7	7.0
22	5.9	3.2	5.0	---	---	---	---	---	---	7.3	6.4	6.8
23	6.6	4.8	5.8	---	---	---	---	---	---	7.4	6.3	6.7
24	6.7	5.0	5.9	---	---	---	---	---	---	7.5	6.3	6.8
25	6.2	2.8	5.1	---	---	---	---	---	---	7.8	6.7	7.1
26	---	---	---	---	---	---	---	---	---	7.7	6.7	7.1
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	8.0	7.0	7.4
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	7.9	6.8	7.2	---	---	---	---	---	---	---	---	---
4	7.7	6.4	7.0	---	---	---	---	---	---	---	---	---
5	7.1	6.2	6.7	---	---	---	---	---	---	---	---	---
6	7.5	6.3	6.8	---	---	---	---	---	---	---	---	---
7	7.6	6.6	7.0	---	---	---	---	---	---	---	---	---
8	7.5	6.5	6.9	---	---	---	---	---	---	---	---	---
9	7.6	6.5	6.9	---	---	---	---	---	---	---	---	---
10	7.5	6.5	6.9	---	---	---	---	---	---	---	---	---
11	7.9	6.7	7.1	---	---	---	---	---	---	---	---	---
12	8.9	7.1	8.1	---	---	---	---	---	---	---	---	---
13	9.5	8.1	8.7	---	---	---	---	---	---	---	---	---
14	9.8	8.7	9.1	---	---	---	---	---	---	---	---	---
15	10.0	8.9	9.3	---	---	---	---	---	---	---	---	---
16	10.1	9.0	9.3	---	---	---	---	---	---	---	---	---
17	9.8	8.7	9.1	---	---	---	---	---	---	---	---	---
18	9.3	8.0	8.6	---	---	---	---	---	---	---	---	---
19	8.6	7.6	8.0	---	---	---	---	---	---	---	---	---
20	8.4	7.4	7.8	---	---	---	---	---	---	---	---	---
21	9.2	7.9	8.5	---	---	---	---	---	---	---	---	---
22	9.4	8.0	8.7	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	82	62	72	---	---	---	---	---	---
2	---	---	---	77	62	68	---	---	---	---	---	---
3	---	---	---	70	52	58	---	---	---	---	---	---
4	---	---	---	100	49	74	---	---	---	---	---	---
5	---	---	---	67	47	54	---	---	---	---	---	---
6	---	---	---	58	49	54	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	52	32	39	---	---	---	---	---	---	---	---	---
20	49	31	41	---	---	---	---	---	---	---	---	---
21	53	30	40	---	---	---	---	---	---	---	---	---
22	60	43	52	---	---	---	---	---	---	---	---	---
23	64	59	61	---	---	---	---	---	---	---	---	---
24	70	39	59	---	---	---	---	---	---	---	---	---
25	57	32	49	---	---	---	---	---	---	---	---	---
26	63	49	56	---	---	---	---	---	---	---	---	---
27	77	59	71	---	---	---	---	---	---	---	---	---
28	79	64	72	---	---	---	---	---	---	---	---	---
29	78	55	65	---	---	---	---	---	---	---	---	---
30	79	60	69	---	---	---	---	---	---	---	---	---
31	81	64	71	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	80	16	41
2	---	---	---	---	---	---	---	---	---	76	14	47
3	---	---	---	---	---	---	---	---	---	64	19	49
4	---	---	---	---	---	---	---	---	---	64	28	46
5	---	---	---	---	---	---	105	98	101	56	37	51
6	---	---	---	---	---	---	102	98	100	68	49	57
7	---	---	---	---	---	---	101	71	88	69	47	63
8	---	---	---	---	---	---	99	53	72	71	45	62
9	---	---	---	---	---	---	95	64	74	63	25	55
10	---	---	---	---	---	---	97	76	84	77	45	59
11	---	---	---	---	---	---	94	74	79	78	22	58
12	---	---	---	---	---	---	81	69	73	81	59	69
13	---	---	---	---	---	---	89	73	83	76	39	58
14	---	---	---	---	---	---	94	64	81	70	54	62
15	---	---	---	---	---	---	86	64	72	78	54	69
16	---	---	---	---	---	---	109	60	81	79	60	67
17	---	---	---	---	---	---	105	63	84	81	59	65
18	---	---	---	---	---	---	103	99	101	73	59	63
19	---	---	---	---	---	---	103	99	102	80	50	71
20	---	---	---	---	---	---	103	100	102	75	54	70
21	---	---	---	---	---	---	105	100	102	75	54	63
22	---	---	---	---	---	---	104	96	100	77	40	60
23	---	---	---	---	---	---	99	72	93	76	46	60
24	---	---	---	---	---	---	90	64	72	75	47	60
25	---	---	---	---	---	---	84	67	77	73	43	58
26	---	---	---	---	---	---	84	72	81	79	39	56
27	---	---	---	---	---	---	82	69	76	80	31	57
28	---	---	---	---	---	---	73	64	66	85	49	73
29	---	---	---	---	---	---	69	50	60	84	34	67
30	---	---	---	---	---	---	95	29	59	81	37	59
31	---	---	---	---	---	---	---	---	---	72	33	47
Month	---	---	---	---	---	---	---	---	---	85	14	59

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DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	69	25	47	---	---	---	---	---	---	---	---	---
2	72	19	45	---	---	---	72	61	65	---	---	---
3	76	31	57	---	---	---	---	---	---	---	---	---
4	86	52	70	---	---	---	---	---	---	---	---	---
5	86	69	77	---	---	---	---	---	---	---	---	---
6	86	52	77	---	---	---	---	---	---	---	---	---
7	87	32	73	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	84	60	73
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	80	63	70	---	---	---	---	---	---	---	---	---
14	78	64	71	---	---	---	---	---	---	---	---	---
15	85	70	76	---	---	---	---	---	---	---	---	---
16	87	71	77	---	---	---	---	---	---	---	---	---
17	88	66	74	---	---	---	---	---	---	---	---	---
18	86	61	71	---	---	---	---	---	---	---	---	---
19	81	19	59	---	---	---	---	---	---	86	79	82
20	80	32	65	---	---	---	---	---	---	83	77	80
21	64	34	49	---	---	---	---	---	---	87	77	81
22	73	39	61	---	---	---	---	---	---	87	76	80
23	81	60	71	---	---	---	---	---	---	89	76	80
24	83	59	73	---	---	---	---	---	---	89	73	80
25	79	36	64	---	---	---	---	---	---	90	77	81
26	---	---	---	---	---	---	---	---	---	90	77	82
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	88	76	81
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	91	76	82	---	---	---	---	---	---	---	---	---
4	91	75	82	---	---	---	---	---	---	---	---	---
5	84	73	79	---	---	---	---	---	---	---	---	---
6	89	74	80	---	---	---	---	---	---	---	---	---
7	90	78	82	---	---	---	---	---	---	---	---	---
8	89	76	81	---	---	---	---	---	---	---	---	---
9	91	78	82	---	---	---	---	---	---	---	---	---
10	89	78	81	---	---	---	---	---	---	---	---	---
11	91	78	81	---	---	---	---	---	---	---	---	---
12	95	78	85	---	---	---	---	---	---	---	---	---
13	99	85	90	---	---	---	---	---	---	---	---	---
14	101	88	93	---	---	---	---	---	---	---	---	---
15	104	91	95	---	---	---	---	---	---	---	---	---
16	105	92	96	---	---	---	---	---	---	---	---	---
17	105	92	96	---	---	---	---	---	---	---	---	---
18	102	88	94	---	---	---	---	---	---	---	---	---
19	98	87	90	---	---	---	---	---	---	---	---	---
20	96	83	87	---	---	---	---	---	---	---	---	---
21	98	85	90	---	---	---	---	---	---	---	---	---
22	101	86	93	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

0208102001 KEHUKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

0208102001 KEHUKKEE SWAMP AT MOUTH NEAR PALMYRA, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
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	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---