0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 to September 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1999 to September 2004.
pH: April 1999 to current September 2002.
WATER TEMPERATURE: April 1999 to September 2004.
DISSOLVED OXYGEN: April 1999 to September 2002.
DISSOLVED OXYGEN, PERCENT SATURATION: April 1999 to September 2002.

INSTRUMENTATION.-- Water-quality monitor with radio telemetry.

REMARKS.--Station operated in cooperation with Mecklenburg County Land Use and Environmental Services Agency to characterize water-quality conditions in Briar Creek basin. Dissolved oxygen, percent saturation, computed using barometric pressure of 740 mm Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--Extremes listed below may have been exceeded during periods of missing record.

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	2670, January 27, 28, 2004	27, September 23, 2000, July 18, 2004
pH, standard units	9.6, October 8, 1999	6.0, June 27, 1999
WATER TEMPERATURE, °C	35.0, July 31, 1999	-0.2, December 26, 31, 2000, January 3, 4, 2001, January 4, 2002, January 24, 2003, February 26, 27, 2004
DISSOLVED OXYGEN, mg/L	15.4, February 3, 2001, January 5, 2002	2.7, April 13, 14, 2001
DISSOLVED OXYGEN, PERCENT SATURATION,%	191, May 30, 2002	24, September 5, 1999

EXTREMES FOR CURRENT YEAR.--Extremes listed below may have been exceeded during periods of missing record.

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	2670, January 27, 28	27, July 18
WATER TEMPERATURE, °C	34.9, July 10	-0.2, February 26, 27

0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	191	181	186	171	161	166	183	173	179	178	176	177
2	194	189	191	177	170	173	178	173	175	178	162	173
3	195	191	193	180	173	177	177	169	174	189	178	182
4	200	191	195	184	172	178	298	158	184	192	180	185
5	201	191	196	---	---	---	245	162	174	196	105	155
6	203	192	198	---	---	---	178	163	170	154	132	142
7	201	188	196	193	172	185	177	173	175	168	154	161
8	206	106	165	194	168	181	176	170	173	177	168	172
9	144	114	129	184	175	178	179	174	176	703	176	306
10	168	127	157	188	180	184	188	74	138	494	329	369
11	149	75	97	190	178	184	134	79	107	392	274	327
12	153	114	135	193	176	185	160	134	151	275	251	267
13	171	153	162	198	183	189	176	72	160	251	212	233
14	182	169	177	197	185	191	162	63	109	212	202	206
15	188	179	182	194	185	190	166	128	147	209	197	201
16	188	168	184	194	181	187	176	162	168	199	196	197
17	190	164	178	189	177	185	177	127	150	200	194	197
18	194	184	189	187	160	173	161	145	157	215	190	199
19	196	181	189	184	119	148	180	161	174	241	191	205
20	195	174	188	152	126	139	187	172	182	243	214	229
21	195	177	188	170	150	161	---	---	---	216	203	210
22	201	179	192	178	167	172	---	---	---	204	198	201
23	201	183	193	182	175	178	190	179	186	200	196	197
24	198	182	193	186	178	181	200	180	189	200	192	196
25	196	177	190	183	176	178	193	181	189	964	184	288
26	205	183	193	182	177	180	193	180	188	1,420	282	635
27	196	183	192	185	175	180	193	179	187	2,670	1,080	1,690
28	195	97	169	187	174	182	194	178	188	2,670	1,550	1,800
29	105	68	85	184	170	177	198	179	191	1,550	936	1,170
30	140	105	125	185	179	181	198	182	191	940	585	746
31	161	135	147	---	---	---	194	178	186	585	476	521
MONTH	206	68	173	---	---	---	---	---	---	2,670	105	385
		FEBRUARY			MARCH			APRIL			MAY	
1	478	350	404	361	166	213	158	94	128	208	119	158
2	560	308	341	213	164	183	185	158	173	141	68	98
3	625	278	348	228	203	216	197	184	191	144	84	118
4	278	263	268	238	220	225	203	193	199	166	142	154
5	264	258	262	228	222	225	205	198	201	195	166	177
6	273	81	203	236	227	234	205	199	202	192	184	188
7	175	100	146	237	233	236	211	201	204	192	185	189
8	198	175	189	237	224	231	219	209	213	194	185	190
9	201	190	199	282	218	225	212	202	208	194	184	190
10	204	189	197	338	222	258	210	198	205	204	186	191
11	203	177	199	245	227	237	216	186	205	205	188	195
12	204	109	144	230	210	220	198	172	185	210	170	190
13	175	131	158	223	209	217	193	88	141	184	173	177
14	183	170	178	220	202	212	175	119	149	191	182	185
15	178	152	168	234	205	213	198	175	187	212	189	193
16	173	149	161	276	218	248	208	197	202	195	189	192
17	---	---	---	267	243	254	228	203	216	205	189	193
18	197	188	192	243	222	231	220	209	215	210	185	195
19	199	194	196	223	203	213	225	209	218	202	190	195
20	202	196	199	223	188	212	242	209	222	200	187	194
21	206	201	204	194	176	188	224	191	208	206	195	200
22	207	202	205	206	188	200	207	194	201	214	197	206
23	209	203	207	206	199	203	210	199	204	215	198	207
24	213	206	209	203	190	197	209	201	205	212	204	209
25	209	199	204	197	182	192	206	201	203	218	192	206
26	550	189	293	203	192	196	209	199	203	213	197	206
27	1,720	400	861	210	203	206	212	198	204	212	194	204
28	1,500	540	1,150	215	207	211	204	196	200	213	191	206
29	540	225	376	214	206	209	209	199	204	226	192	215
30	---	---	---	215	187	205	206	202	203	236	223	230
31	---	---	---	194	109	148	---	---	---	233	115	166
MONTH	---	---	---	361	109	215	242	88	197	236	68	188

0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	156	125	143	184	173	179	185	75	158	147	116	133
2	169	156	162	182	172	176	175	99	135	174	147	162
3	183	169	174	173	126	158	194	175	189	184	170	178
4	184	156	170	165	133	149	201	192	196	190	182	186
5	175	162	172	167	76	154	208	199	203	198	189	195
6	182	174	176	148	95	115	202	192	196	205	139	194
7	192	177	184	167	148	160	199	192	196	177	30	106
8	190	102	176	206	163	176	199	194	197	134	39	84
9	139	75	115	206	174	187	200	190	195	191	134	164
10	125	98	109	202	175	189	197	183	191	204	191	199
11	156	125	140	187	156	170	245	160	193	212	200	206
12	209	156	163	176	167	171	196	36	132	208	205	207
13	177	95	133	178	160	169	106	39	77	207	205	206
14	132	65	103	242	173	184	107	54	82	219	204	211
15	127	72	99	212	175	193	143	96	122	220	206	211
16	136	115	125	227	190	200	173	143	157	210	199	205
17	164	134	148	237	41	196	184	173	180	199	44	105
18	171	161	165	78	27	46	195	184	191	164	100	138
19	182	164	172	96	50	73	201	128	193	179	162	171
20	191	169	180	125	96	113	209	198	204	187	178	183
21	197	95	143	147	125	133	206	97	193	195	186	191
22	138	107	123	163	142	149	199	178	193	202	195	198
23	153	42	119	180	144	161	205	194	199	209	198	203
24	121	68	98	168	131	153	210	204	207	209	190	200
25	152	63	104	160	125	145	212	202	207	200	186	194
26	118	71	94	161	138	150	228	204	215	202	182	189
27	148	118	135	163	48	88	239	203	215	202	29	161
28	165	148	159	98	50	66	231	199	209	120	28	72
29	179	163	168	110	58	87	214	68	187	163	120	145
30	198	171	179	128	68	97	108	42	82	---	---	---
31	---	---	---	170	128	150	116	43	83	---	---	---
MONTH	209	42	144	242	27	146	245	36	173	---	---	---

0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.2	14.5	17.4	19.1	12.9	15.6	10.6	5.6	7.8	8.8	4.0	6.2
2	20.1	14.7	17.0	19.6	13.5	16.2	9.1	5.1	7.0	9.7	6.6	7.9
3	18.4	12.1	15.0	19.6	14.0	16.5	6.9	5.2	5.9	13.2	7.0	9.8
4	20.3	12.8	16.2	20.2	15.4	17.5	5.8	4.8	5.3	15.4	11.6	13.2
5	21.2	14.6	17.6	---	---	---	6.9	5.5	6.2	15.9	13.2	14.4
6	20.2	16.7	18.2	---	---	---	8.3	5.0	6.4	14.6	6.3	10.7
7	20.9	17.5	18.8	21.8	18.6	20.1	7.4	3.5	5.3	6.6	3.3	5.0
8	18.9	17.3	18.1	18.6	14.8	16.5	7.7	3.1	5.2	6.4	3.2	4.7
9	21.3	18.1	19.2	14.8	10.9	13.4	8.6	3.7	5.8	5.3	4.5	4.9
10	20.4	18.0	19.0	13.6	9.0	11.1	11.0	6.2	8.7	5.5	2.4	4.1
11	19.8	18.0	18.7	15.2	9.6	12.1	10.5	7.3	9.1	4.8	0.9	2.7
12	23.4	17.5	19.8	18.1	12.0	14.8	8.7	5.2	6.8	7.6	1.8	4.3
13	23.2	17.3	19.9	15.9	10.0	13.5	7.4	5.0	6.1	8.5	3.6	5.8
14	20.4	17.3	19.5	12.3	7.8	10	6.1	4.8	5.5	8.4	3.7	5.8
15	19.7	14.9	16.9	11.7	9.4	10.5	8.5	4.6	6.1	9.0	5.3	6.8
16	19.3	12.9	15.5	15.1	9.5	12.1	8.5	5.0	6.8	8.4	3.9	5.9
17	18.3	13.1	15.8	16.3	13.2	14.4	9.5	6.2	8.0	7.7	4.0	5.8
18	19.0	14.3	16.2	17.1	13.4	15.1	8.3	5.0	6.4	8.7	6.9	7.8
19	19.2	12.8	15.6	17.1	14.5	16.4	7.6	5.0	6.4	8.9	4.8	7.0
20	19.9	13.4	16.3	15.6	11.7	13.4	5.8	3.0	4.3	6.2	2.2	4.1
21	19.8	14.5	17.0	15.2	9.9	12.3	---	---	---	6.3	1.8	3.7
22	18.6	14.7	16.6	15.1	9.8	12.2	---	---	---	7.4	1.6	4.2
23	15.5	12.0	13.9	15.1	9.9	12.3	9.2	3.8	6.4	6.8	2.4	4.5
24	16.6	11.7	14.0	14.9	11.1	12.8	12.0	7.9	9.8	9.0	2.7	5.5
25	17.4	12.6	14.6	11.7	8.2	9.8	7.9	4.8	6.4	6.4	1.0	3.6
26	16.5	13.9	15.3	11.9	6.8	9.2	7.2	3.0	4.8	1.0	0.4	0.8
27	18.4	16.0	17.0	12.8	8.8	10.8	7.6	2.7	4.8	3.1	0.9	2.1
28	16.6	14.3	15.3	14.8	10.0	12.9	8.3	3.4	5.5	5.8	0.6	2.8
29	17.1	13.5	14.7	10.0	6.2	8.1	9.4	4.4	6.7	7.0	0.9	3.6
30	18.2	11.9	14.5	9.7	4.8	7.0	10.8	7.2	9.4	8.0	3.2	5.0
31	18.4	12.9	15.3	---	---	---	8.7	4.7	6.6	7.0	2.1	4.3
MONTH	23.4	11.7	16.7	---	---	---	---	---	---	15.9	0.4	5.7
		FEBRUARY			MARCH			APRIL			MAY	
1	6.7	1.6	3.8	8.8	4.8	6.9	16.6	10.3	12.6	23.3	18.8	20.5
2	5.3	2.3	3.8	12.5	8.1	10.1	15.9	10.5	12.4	23.1	19.4	20.9
3	6.4	4.4	5.1	16.7	10.4	13.0	19.5	9.1	13.5	21.4	15.6	19.0
4	8.4	2.8	5.2	18.9	12.1	14.9	19.8	10.9	14.2	23.7	13.0	17.4
5	5.7	3.9	4.8	18.8	13.9	16.1	19.4	9.1	13.3	25.8	14.7	19.3
6	5.7	4.7	5.1	19.5	15.3	16.7	20.3	9.4	13.9	27.5	16.6	21.3
7	8.5	5.5	6.6	19.4	12.7	15.3	20.9	11.2	15.5	29.7	18.2	23.1
8	8.5	3.5	5.5	16.5	9.8	12.4	18.4	13.9	15.8	30.2	19.3	24.0
9	5.8	4.0	4.9	10.9	8.3	9.7	24.0	12.7	17.3	30.0	21.0	24.7
10	7.8	4.4	6.0	12.4	8.0	9.6	23.5	14.0	17.7	29.7	20.2	24.2
11	9.2	5.8	7.3	14.9	6.0	9.7	20.1	15.2	17.4	28.4	20.0	23.6
12	7.6	5.5	6.3	16.5	8.0	11.5	15.4	12.2	13.4	26.6	20.9	22.9
13	10.5	4.2	6.8	16.3	8.0	11.4	15.7	11.9	13.5	27.1	20.5	23.1
14	8.5	7.3	7.9	17.1	9.3	12.5	15.3	11.3	13.0	28.2	20.1	23.6
15	8.7	6.7	8.0	14.9	12.9	13.7	20.9	9.3	14.2	28.8	20.1	23.7
16	9.6	4.9	6.6	16.7	13.2	14.5	21.7	12.0	16.3	27.7	20.2	23.7
17	---	---	---	16.5	11.7	13.6	24.5	13.4	18.1	29.4	20.9	24.5
18	10.3	3.1	6.0	12.6	10.2	11.4	26.3	15.4	19.9	29.2	20.9	24.3
19	11.8	3.9	7.2	19.0	9.7	13.4	26.6	16.8	20.8	29.0	21.5	24.4
20	12.8	5.8	9.0	16.9	10.4	13.4	26.2	17.6	21.3	31.3	21.4	25.8
21	15.6	10.2	12.1	19.6	11.7	15.1	24.7	17.7	20.7	31.3	22.4	26.6
22	13.9	7.5	10.2	16.6	8.5	11.5	26.1	17.0	20.8	32.2	23.0	27.1
23	9.8	7.0	8.6	16.4	6.3	10.5	27.3	17.6	21.7	31.8	23.2	26.7
24	12.0	8.4	9.7	18.1	7.6	11.9	28.9	18.7	23.0	31.7	22.8	26.8
25	12.1	7.8	9.5	20.3	10.0	14.4	27.3	20.1	23.0	32.8	23.1	27.5
26	7.9	-0.2	3.9	22.5	12.2	16.5	21.2	18.1	20.0	30.3	24.1	26.7
27	3.7	-0.2	1.9	22.4	14.2	17.9	22.0	15.7	18.4	30.9	22.4	26.1
28	7.1	1.5	4.0	23.5	15.9	18.9	24.4	13.2	18.0	30.2	22.5	25.7
29	8.3	2.5	5.3	21.6	14.2	17.3	25.6	14.1	18.9	29.9	22.6	26.1
30	---	---	---	15.6	12.2	13.4	24.1	16.2	19.8	29.7	23.6	26.0
31	---	---	---	14.8	11.4	12.6	---	---	---	25.9	22.6	23.9
MONTH	---	---	---	23.5	4.8	13.2	28.9	9.1	17.3	32.8	13.0	24.0

0214645022 BRIAR CREEK ABOVE COLONY ROAD AT CHARLOTTE, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29.2	20.8	24.6	29.5	23.0	25.7	31.2	25.0	27.3	27.6	23.2	25.1
2	31.1	19.9	25.0	27.6	23.5	25.3	30.3	25.6	27.5	27.6	23.4	25.0
3	31.7	20.5	25.8	26.4	23.5	24.7	31.1	25.0	27.5	27.7	21.6	24.3
4	27.6	22.0	24.5	31.4	23.2	26.6	32.3	24.2	27.8	27.6	21.6	24.3
5	29.0	19.9	24.2	33.5	23.6	27.7	29.7	24.8	27.1	27.6	22.1	24.6
6	25.6	20.8	23.1	33.4	24.1	28.0	28.5	22.4	25.0	26.7	22.8	24.3
7	28.4	21.1	24.3	33.8	24.9	28.6	27.8	19.5	23.6	24.0	22.9	23.5
8	28.0	22.2	24.6	32.5	24.4	28.3	28.2	19.8	23.9	23.7	22.9	23.2
9	26.6	22.1	23.8	34.5	24.8	29.0	28.5	20.5	24.4	26.2	22.5	23.9
10	31.6	22.2	26.3	34.9	25.1	29.4	28.4	21.6	25.0	26.0	21.3	23.4
11	33.8	23.7	28.2	33.5	25.2	28.5	29.8	22.2	25.7	26.3	21.3	23.4
12	32.9	24.3	27.5	32.2	24.9	27.9	24.6	22.3	23.4	26.3	20.7	23.2
13	24.9	22.1	23.0	32.6	24.7	28.3	24.7	22.3	23.3	24.9	20.9	22.8
14	27.0	22.2	24.1	33.4	25.2	28.8	23.1	20.5	21.3	24.8	21.4	22.9
15	28.2	23.5	25.4	31.5	24.0	27.5	22.4	20.4	21.2	24.0	21.0	22.2
16	30.9	24.0	26.8	31.1	22.1	26.4	27.8	20.4	23.5	24.0	21.3	22.5
17	32.6	24.6	28.0	29.9	22.6	25.8	27.2	21.5	24.2	23.3	21.8	22.8
18	34.0	25.0	28.8	26.6	22.6	24.0	28.7	23.0	25.3	25.0	20.3	22.0
19	33.4	25.1	28.6	29.4	22.5	25.6	28.9	22.6	25.5	23.3	18.0	20.2
20	31.1	23.7	27.1	29.9	23.0	26.1	29.9	23.0	26.2	22.4	16.4	19.0
21	25.7	23.0	23.9	30.8	22.9	26.7	29.4	23.8	26.0	22.8	16.2	19.1
22	31.5	22.7	25.7	30.5	23.9	27.2	25.5	23.4	24.4	23.9	16.8	20.0
23	31.5	23.8	26.1	30.9	25.0	27.9	27.9	22.5	25.0	25.0	18.4	21.4
24	28.4	23.9	25.2	31.1	24.8	27.9	30.1	22.7	26.0	24.5	19.3	21.7
25	27.5	23.4	24.7	30.5	24.5	27.5	28.5	22.3	25.2	24.1	18.5	21.1
26	26.1	22.7	24.1	29.9	24.9	27.0	29.0	22.4	25.4	24.0	18.8	21.3
27	28.3	22.4	24.7	28.3	24.0	25.5	30.1	22.4	26.0	22.1	20.4	21.0
28	27.2	22.7	24.5	28.4	24.0	25.8	30.3	23.5	26.6	22.7	21.3	21.8
29	30.8	21.8	25.7	25.9	23.9	24.8	25.8	23.3	24.1	23.2	19.9	21.3
30	26.8	23.1	24.9	30.4	23.9	26.5	30.0	23.0	25.7	---	---	---
31	---	---	---	31.8	24.4	27.4	26.2	23.8	24.7	---	---	---
MONTH	34.0	19.9	25.4	34.9	22.1	27.0	32.3	19.5	25.1	---	---	---