1070 SANTEE RIVER BASIN

0214642825 BRIAR CREEK NEAR 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 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	4550, January 27, 2004	15, August 2, 2002
pH, standard units	9.3, August 8, 1999	5.7, April 27, 1999, August 2, 2002
WATER TEMPERATURE, °C	35.2, July 21, 2002	0.0, January 25, 2003
DISSOLVED OXYGEN, mg/L	17.3, February 23, 2002	0.1, November 15, 2001
DISSOLVED OXYGEN, PERCENT SATURATION,%	200, April 25, 1999	0, November 15, 2001

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

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	4550, January 27	30, September 27
WATER TEMPERATURE, °C	32.1, July 9, 10	0.2, January 26

0214642825 BRIAR CREEK NEAR 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		N	OVEMBE	ER.	Г	ECEMBE	R		JANUARY	
1 2 3 4 5	167 168 164 170 173	160 162 159 164 163	164 165 162 167 169	 165 169	 160 165	 163 167	165 161 193	 159 139 119	162 158 165	179 181 177 171 171	164 177 170 166 106	171 179 173 169 156
6 7 8 9 10	175 169 159 	166 156 90 	170 163 134 	170 171 186 174 178	164 164 167 166 174	169 166 175 170 176	159 163 212 214 192	152 153 163 186 71	155 157 193 198 137	148 162 219 945 528	123 147 161 190 278	132 157 197 385 324
11 12 13 14 15	153 130 150 160	49 91 129 150	81 108 140 155	178 178 174 173 172	174 171 169 169 168	177 174 172 171 170	125 154 162 168 169	78 124 57 51 117	104 142 153 111 149	345 283 231 208 197	282 230 208 196 185	316 253 216 201 191
16 17 18 19 20	 171 171 172	 167 167 167	169 169 169	169 170 174 170 134	164 165 165 91 101	168 169 169 129 116	155 195 153 161 165	125 113 131 153 160	143 142 142 158 162	200 206 433 392 269	190 200 191 269 219	197 204 283 314 240
21 22 23 24 25	174 173 	169 168 	171 171 	154 161 165 166 159	134 153 159 159 146	146 157 162 163 151	165 165 165 167 166	158 161 161 163 164	163 163 163 165 165	219 197 	196 187 	206 192
26 27 28 29 30 31	 102 126 145	 54 102 126	75 116 136	161 164 	148 156 	155 160 	168 167 166 165 166 166	164 164 163 162 163 164	165 166 165 164 165 165	4,550 4,030 1,980 871 820	409 1,740 871 726 584	2,030 2,660 1,210 792 696
MONTH												
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4 5	822 313 303	281 296 276	343 307 291	1,030 241 256 239	161 169 224 225	228 201 239 233	163 195 	110 157 	140 180 	202 124 158 206 200	104 76 96 156 186	153 103 126 178 191
6 7 8 9 10	381 184 209 	73 108 184 	224 157 199 	240 232 325	225 227 212	234 230 253	201 204 200 199 200	192 193 191 192 193	196 199 196 196 198	190 189 188	182 181 179	 186 186 184
11 12 13 14 15	207 186 250 278	95 148 178 150	148 170 199 205	239 238 235 	212 229 222 	228 233 230 	204 177	89 131	151 159	188 187 187 	178 177 176 	184 182 181
16 17 18 19 20	187 206 212	149 196 206	170 200 209	420 250 231	279 222 206	359 232 217	209 209 196 	191 195 192 	196 199 194 	186 235 235	136 145 212	175 210 223
21 22 23 24 25	233 261 230 223 249	212 230 206 202 223	224 246 218 215 240	225 231 222 205	196 207 199 193	203 220 208 200	193 194 195 196	186 187 188 190	189 190 192 193	212 197 186	193 184 175	201 191 182
26 27				209	197	204 205	203 254	190 203	193 225	186 190	178 178	182 183
28 29 30 31	757 	189 	334	209 208 253 255	201 199 189 103	203 204 206 169	 	 	 	190 183 180	176 169 171	184 176 174

SANTEE RIVER BASIN 1072

0214642825 BRIAR CREEK NEAR 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 2 3 4 5	190 193 193 169	176 184 160 158	183 189 175 163	155 144 194	86 121 83	103 131 145	184 172 170 156 160	165 153 138 138 111	176 160 151 147 149	151 167 174 178 182	101 147 167 174 178	129 157 172 176 181	
6 7 8 9 10	188 188 	169 175 	182 183 	201 160 168 171 170	121 140 158 160 159	136 150 163 166 164	129 147 158 162 166	107 128 144 154 158	119 138 151 158 162	152 213 183	 41 152 177	 94 194 179	
11 12 13 14 15	170 176 130 137	162 81 100 110	167 136 114 125	166 164 	104 133 	156 143 	166 159 238 139 144	133 34 59 45 107	162 103 113 91 129	180 184 183 	175 178 179 	177 180 181 	
16 17 18 19 20	148 198 190 181	128 185 176 168	137 190 183 175	288 144	181 126	210 132	188 183 178 176 175	143 172 173 169 167	174 177 176 173 172	179 174 189 189	 49 146 171 178	117 158 178 184	
21 22 23 24 25	176 174 175 144	108 126 98 104	137 150 145 125	154 158 159 161	141 153 154 157	149 155 157 159	175 174 174 174 175	170 168 165 169 166	173 172 170 172 170	183 180 179	177 172 174	180 176 176	
26 27 28 29 30 31	140 151 154 156	109 140 147 149	125 144 151 152	160 123 126 140 165	41 68 44 112 140	74 100 91 127 153	175 176 128	166 165 53	171 171 91	180 190 110 151	172 30 32 110	176 149 78 131 	
MONTH													

0214642825 BRIAR CREEK NEAR CHARLOTTE, NC—Continued

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

				WATER YI	EAR OCTO	JBER 2003	TO SEPTEME	BER 2004				
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		N	OVEMBE	R	D	ECEMBE	R		JANUARY	7
1 2 3 4 5	19.0 18.0 17.0 18.7 19.7	13.9 14.5 11.9 12.2 14.3	16.2 15.9 14.2 15.2 16.7	19.5 20.9	 15.0 17.0	16.9 18.5	6.4 5.3 6.6	4.9 4.6 5.2	5.5 4.9 5.9	8.5 9.4 13.2 14.7 16.1	4.0 6.8 7.2 11.8 13.4	6.3 7.9 10.0 13.0 14.6
6 7 8 9 10	18.1 18.9 18.2	15.8 16.8 16.7 	16.9 17.7 17.4 	21.8 21.8 18.9 15.4 13.6	18.3 18.8 14.6 11.1 8.6	19.7 19.9 16.4 13.5 11.0	9.1 8.3 7.9 8.4 11.1	5.1 3.3 2.9 3.0 6.4	6.7 5.7 5.3 5.9 8.5	14.4 7.5 5.5 5.1 5.0	7.0 2.9 2.9 4.0 2.8	10.9 5.5 4.3 4.5 3.9
11 12 13 14 15	18.9 22.0 21.8 19.4	17.6 17.1 17.1 17.4	18.2 19.1 19.2 18.9	14.9 18.2 16.3 12.1 10.8	9.0 11.9 10.8 7.9 9.1	11.6 14.7 14.5 9.9 9.9	10.9 8.9 6.7 5.8 8.1	7.2 4.8 4.6 4.6 3.8	9.0 6.8 5.7 5.1 5.8	5.2 7.9 8.3 8.6 9.9	0.8 1.7 3.6 3.8 5.3	2.7 4.6 6.0 6.1 7.1
16 17 18 19 20	18.0 18.3 19.0	14.2 12.6 13.2	15.8 15.1 15.7	14.6 15.9 16.2 16.7 16.1	9.6 13.1 13.3 14.4 11.5	12.0 14.2 14.8 16.2 13.5	8.0 9.7 8.0 7.6 6.7	4.2 6.0 4.4 5.3 2.8	6.2 8.0 6.1 6.4 4.6	8.6 7.2 8.6 9.4 6.6	3.7 3.7 6.8 5.0 1.8	6.0 5.6 7.5 7.1 4.1
21 22 23 24 25	19.0 19.0 	14.6 15.1 	16.6 16.7 	15.4 15.5 15.6 14.5 12.1	9.6 9.8 9.9 11.2 8.2	12.3 12.4 12.4 12.7 10.1	5.6 7.4 8.9 11.8 8.6	1.2 2.2 3.7 8.2 4.6	3.3 4.6 6.5 9.8 6.5	6.2 7.4 	1.3 1.4 	3.6 4.3
26 27 28 29 30 31	16.5 17.9 18.4	13.2 11.6 12.7	14.4 14.4 15.2	11.0 12.0 	6.5 8.6 	8.8 10.3 	7.4 7.7 8.3 9.0 12.0 8.7	2.2 2.0 2.8 4.0 7.4 4.4	4.8 4.9 5.6 6.7 9.7 6.7	2.6 5.5 6.8 7.8 7.2	0.8 0.3 0.6 2.9 2.0	1.5 2.6 3.3 5.0 4.4
MONTH												
	F	EBRUAR	Y		MARCH			APRIL			MAY	
1 2 3 4 5	6.9 8.0 5.1	3.8 2.4 3.4	4.9 5.1 4.4	9.0 12.5 16.2 18.5	4.2 7.8 10.0 11.7	6.6 10.1 12.8 14.8	15.4 14.7 	9.9 10.0 	12.2 12.0 	22.1 22.2 19.9 20.1 22.0	18.2 18.9 14.6 12.3 13.6	19.6 20.3 17.7 15.8 17.4
6 7 8 9 10	5.6 8.8 7.7 	4.4 5.4 3.0 	4.8 6.7 5.3	15.6 10.7 12.0	 9.7 7.7 7.6	 12.4 9.1 9.4	18.5 19.7 17.9 21.9 21.0	9.0 10.8 13.6 12.7 13.5	13.3 15.0 15.7 16.9 16.8	26.4 27.0 26.6	18.7 20.1 19.8	22.2 23.0 22.7
11 12 13 14 15	7.6 9.7 8.2 8.4	4.9 3.8 7.1 6.1	6.0 6.7 7.7 7.7	13.9 16.0 14.8	5.5 8.0 7.8 	9.5 11.7 11.1 	16.2 14.0	11.3 11.0	13.3 12.4	25.8 24.7 25.0 	19.7 20.3 19.9	22.4 21.8 22.0
16 17 18 19 20	8.6 10.6 12.0	4.4 3.6 5.9	6.2 7.1 8.9	16.3 18.0 15.8	12.9 9.3 9.8	14.3 13.2 12.9	19.5 22.0 23.6	11.6 13.2 15.4 	15.4 17.3 19.1	25.9 26.4 27.8	20.5 20.9 21.1	22.8 23.0 24.1
21 22 23 24 25	15.2 12.6 9.0 11.4 11.6	10.2 7.2 6.5 7.9 7.9	12.1 9.9 8.0 9.5 9.6	19.0 14.9 14.5 16.6	11.7 7.9 5.8 7.1	15.0 11.0 9.8 11.3	23.7 24.7 26.2 24.9	16.6 17.4 18.4 19.4	19.7 20.8 21.8 21.9	28.2 28.8 29.9	22.0 22.5 23.1	24.8 25.4 26.0
26 27 28 29 30 31	 8.8 	 2.0 	 4.9 	21.1 21.8 20.1 15.9 14.7	14.0 15.7 13.5 11.4 11.0	17.3 18.3 16.6 12.7 12.1	20.9 20.3 	17.2 15.3 	19.2 17.4 	28.0 28.5 27.9 27.5 26.8	23.8 22.2 22.5 21.7 22.3	25.5 24.8 24.6 24.3 24.3
MONTH						12.1						

SANTEE RIVER BASIN 1074

0214642825 BRIAR CREEK NEAR 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 2 3 4 5	28.0 28.3 24.7 26.3	20.4 20.8 21.5 19.8	23.8 24.4 23.0 22.7	25.6 26.5 30.6	22.5 22.5 23.0	23.9 23.9 25.9	28.6 28.0 28.9 29.4 28.0	24.1 24.2 24.2 24.0 24.2	25.7 25.7 26.1 26.2 25.6	26.8 25.6 25.9 25.6 26.1	22.8 22.6 21.0 20.9 21.4	24.4 23.9 23.0 22.8 23.3	
6 7 8 9 10	23.6 26.4 	20.7 20.5 	21.9 22.9 	30.6 30.4 30.7 32.1 32.1	23.6 24.5 24.4 24.7 25.1	26.5 27.0 27.1 27.8 28.2	26.7 26.0 25.4 26.1 26.4	22.0 19.8 19.8 20.0 21.0	24.2 22.5 22.2 22.7 23.6	23.4 24.8 23.8	22.6 22.1 20.8	23.1 23.1 22.3	
11 12 13 14 15	29.5 24.4 25.6 26.0	24.3 21.4 21.8 23.1	26.1 22.7 23.4 24.3	30.2 30.7 	24.1 24.6 	26.7 27.3 	27.2 23.5 23.1 22.3 21.2	22.0 21.9 21.9 20.0 20.0	24.2 22.6 22.4 20.9 20.5	25.2 24.3 23.3 	20.7 20.1 20.1 	22.4 21.9 21.6 	
16 17 18 19 20	28.5 30.1 31.1 28.7	23.3 24.6 24.6 23.6	25.4 27.0 27.1 25.8	27.9 27.4	22.0 22.3	24.7 24.5	25.2 25.4 26.9 26.3 27.3	20.1 20.8 22.0 22.3 22.5	22.2 22.9 23.9 24.1 24.6	23.1 22.8 21.4 20.2	21.4 19.7 17.6 16.0	22.4 21.1 19.2 17.9	
21 22 23 24 25	24.6 28.2 29.0 26.6	21.8 21.9 22.7 23.4	23.1 24.1 25.0 24.4	27.6 27.9 28.4 29.0	22.4 22.9 23.9 24.0	24.7 25.0 25.8 26.1	27.1 24.4 27.8 27.4 26.6	23.2 22.6 21.8 22.4 21.9	24.7 23.4 24.1 24.4 23.9	20.9 22.8 22.8	15.5 18.6 17.9	17.9 20.3 19.9	
26 27 28 29 30 31	25.5 24.6 27.3 24.3	21.9 21.7 21.3 22.2	23.3 22.9 23.9 23.4	25.6 26.4 25.9 27.6 28.4	23.4 23.4 23.3 23.3 23.6	24.4 24.6 24.4 25.1 25.5	26.6 27.2 25.4	21.8 22.0 23.4	23.8 24.2 24.1	22.3 22.0 22.2 21.6	17.8 19.4 21.0 19.5	19.8 20.3 21.5 20.5	
MONTH													