## 02146348 COFFEY CREEK NEAR CHARLOTTE, NC-Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2003 to September 2004 (discontinued).
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 2003 to September 2004
WATER TEMPERATURE: October 2003 to September 2004.
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 the Coffey Creek basin.

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

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :--- | :--- | :--- |
| SPECIFIC CONDUCTANCE, microsiemens | 15,300, January 9 | 19, August 12 |
| WATER TEMPERATURE, ${ }^{\circ} \mathrm{C}$ | 28.4, June 23 | 0.0, January 25,26 |



02146348 COFFEY 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 477 | 462 | 467 | 179 | 136 | 156 | 181 | 86 | 134 | 170 | 31 | 117 |
| 2 | 947 | 465 | 494 | 154 | 136 | 144 | 212 | 181 | 196 | --- | --- | --- |
| 3 | 811 | 169 | 242 | 181 | 154 | 170 | 229 | 212 | 220 | --- | --- | --- |
| 4 | 293 | 249 | 274 | 193 | 181 | 186 | 231 | 225 | 228 | 157 | 137 | 148 |
| 5 | 457 | 280 | 300 | 209 | 193 | 198 | 235 | 228 | 231 | --- | --- | --- |
| 6 | 381 | 63 | 196 | 242 | 208 | 220 | 235 | 229 | 233 | --- | --- | --- |
| 7 | 139 | 72 | 115 | 241 | 214 | 233 | 233 | 228 | 230 | --- | --- | --- |
| 8 | 150 | 137 | 144 | 245 | 216 | 233 | 238 | 231 | 235 | 169 | 159 | 162 |
| 9 | 159 | 149 | 153 | 259 | 233 | 241 | 241 | 235 | 238 | 176 | 165 | 172 |
| 10 | 171 | 158 | 162 | 241 | 225 | 231 | 236 | 228 | 233 | --- | --- | --- |
| 11 | 183 | 170 | 174 | 246 | 228 | 236 | 228 | 216 | 224 | 184 | 178 | 179 |
| 12 | 220 | 70 | 116 | 253 | 243 | 249 | 216 | 128 | 164 | 207 | 162 | 185 |
| 13 | 192 | 121 | 157 | 258 | 237 | 248 | 184 | 30 | 129 | 198 | 184 | 186 |
| 14 | 200 | 164 | 188 | 250 | 236 | 244 | 149 | 115 | 138 | --- | --- | --- |
| 15 | 199 | 152 | 178 | 255 | 240 | 249 | 164 | 149 | 157 | 194 | 185 | 190 |
| 16 | 191 | 176 | 182 | 281 | 217 | 239 | 167 | 163 | 165 | 195 | 90 | 184 |
| 17 | 196 | 191 | 193 | 298 | 272 | 284 | 174 | 167 | 169 | 188 | 100 | 160 |
| 18 | 196 | 187 | 192 | 282 | 253 | 272 | 177 | 174 | 175 | --- | --- | --- |
| 19 | 192 | 188 | 190 | 259 | 230 | 247 | 178 | 163 | 170 | --- | --- | --- |
| 20 | 200 | 188 | 194 | 230 | 147 | 211 | --- | --- | --- | 189 | 180 | 186 |
| 21 | 201 | 190 | 196 | 221 | 147 | 200 | 182 | 175 | 178 | 192 | 187 | 189 |
| 22 | 202 | 190 | 195 | 218 | 192 | 199 | 185 | 180 | 183 | --- | --- | --- |
| 23 | 192 | 182 | 188 | 202 | 196 | 200 | --- | --- | --- | --- | --- | --- |
| 24 | 190 | 185 | 188 | 201 | 195 | 197 | --- | --- | --- | --- | --- | --- |
| 25 | 194 | 188 | 190 | 212 | 201 | 205 | --- | --- | --- | 207 | 202 | 204 |
| 26 | 1,300 | 193 | 398 | 216 | 210 | 212 | --- | --- | --- | 216 | 207 | 212 |
| 27 | 1,770 | 197 | 587 | 214 | 203 | 208 | --- | --- | --- | --- | --- | --- |
| 28 | 1,210 | 222 | 394 | 233 | 214 | 225 | --- | --- | --- | 220 | 197 | 215 |
| 29 | 264 | 148 | 217 | 236 | 205 | 219 | 206 | 197 | 200 | 218 | 196 | 214 |
| 30 | --- | --- | --- | 213 | 177 | 201 | 209 | 118 | 199 | --- | --- | --- |
| 31 | --- | --- | --- | 225 | 82 | 138 | --- | --- | --- | --- | --- | --- |
| MONTH | 1,770 | 63 | 237 | 298 | 82 | 216 | --- | --- | --- | --- | --- | --- |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | --- | --- | --- | --- | --- | --- | 155 | 131 | 137 | 141 | 129 | 136 |
| 2 | 211 | 154 | 165 | --- | --- | --- | 154 | 132 | 146 | 153 | 140 | 146 |
| 3 | 176 | 168 | 170 | --- | --- | --- | 161 | 150 | 155 | 164 | 152 | 158 |
| 4 | --- | --- | --- | --- | --- | --- | 168 | 157 | 164 | 171 | 164 | 167 |
| 5 | --- | --- | --- | 162 | 138 | 153 | --- | --- | --- | 174 | 164 | 171 |
| 6 | --- | --- | --- | 159 | 146 | 150 | --- | --- | --- | 176 | 44 | 144 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- |  | --- | --- | --- |
| 9 | 136 | 58 | 112 | 181 | 175 | 177 | --- | --- | --- | --- | --- | --- |
| 10 | 154 | 132 | 150 | 215 | 178 | 182 | --- | --- | --- | --- | --- | --- |
| 11 | 165 | 146 | 158 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | 136 | 19 | 84 | 140 | 126 | 134 |
| 13 | --- | --- | --- | 173 | 165 | 170 | --- | --- | --- | 150 | 136 | 143 |
| 14 | --- | --- | --- | 180 | 173 | 176 | --- | --- | --- | 166 | 145 | 151 |
| 15 | 117 | 79 | 102 | 184 | 179 | 181 | 118 | 87 | 104 | 157 | 151 | 154 |
| 16 | --- | --- | --- | --- | --- | --- | 129 | 118 | 124 | -- | --- | --- |
| 17 | --- | --- | --- | 209 | 64 | 180 | 139 | 128 | 134 | 167 | 49 | 100 |
| 18 | 149 | 139 | 143 | 96 | 36 | 65 | 154 | 138 | 145 | 117 | 86 | 105 |
| 19 | 194 | 143 | 152 | --- | --- | -- | 162 | 154 | 158 | 127 | 117 | 122 |
| 20 | 166 | 153 | 160 | --- | --- | --- | 168 | 160 | 163 | 137 | 126 | 131 |
| 21 | 171 | 72 | 124 | 146 | 136 | 140 | 172 | 65 | 148 | 141 | 132 | 135 |
| 22 | 134 | 48 | 120 | 150 | 145 | 148 | --- | --- | --- | 151 | 140 | 146 |
| 23 | 135 | 44 | 104 | 164 | 150 | 157 | --- | --- | --- | 159 | 151 | 155 |
| 24 | --- | --- | --- | 170 | 164 | 167 | --- | --- | --- | --- | --- | --- |
| 25 | --- | --- | --- | 176 | 169 | 172 | 157 | 146 | 151 | --- | --- | --- |
| 26 | 108 | 53 | 89 | 195 | 175 | 180 | 165 | 157 | 160 | --- | --- | --- |
| 27 | 132 | 108 | 120 | 184 | 43 | 82 | 170 | 165 | 167 | --- | --- | --- |
| 28 | 142 | 130 | 136 | 118 | 90 | 109 | 175 | 170 | 172 | 85 | 44 | 67 |
| 29 | 151 | 142 | 146 | 122 | 27 | 84 | 179 | 68 | 160 | 104 | 83 | 94 |
| 30 | 158 | 140 | 152 | 116 | 97 | 106 | --- | --- | --- | --- | --- | -- |
| 31 | --- | --- | --- | 131 | 116 | 125 | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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 | 15.9 | 14.2 | 15.2 | --- | --- | --- | --- | --- | --- | 5.6 | 3.7 | 4.8 |
| 2 | 16.1 | 14.4 | 15.4 | --- | --- | --- | --- | --- | --- | 6.8 | 5.5 | 6.2 |
| 3 | 14.4 | 12.8 | 13.6 | --- | --- | --- | --- | --- | --- | 10.0 | 6.1 | 7.8 |
| 4 | 14.9 | 12.6 | 13.8 | 16.6 | 14.9 | 15.6 | --- | --- | --- | 12.5 | 10.0 | 11.3 |
| 5 | 16.2 | 14.3 | 15.2 | 18.1 | 16.6 | 17.4 | --- | --- | --- | 17.4 | 12.5 | 13.8 |
| 6 | --- | --- | --- | 23.2 | 17.9 | 18.8 | --- | --- | --- | 14.4 | 8.0 | 10.9 |
| 7 | --- | --- | --- | 19.4 | 18.5 | 19.0 | --- | --- | --- | 8.0 | 4.2 | 5.3 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4.9 | 3.2 | 4.0 |
| 9 | --- | --- | --- | --- | --- | --- | 6.0 | 3.6 | 4.9 | 7.4 | 4.2 | 5.3 |
| 10 | 20.2 | 18.1 | 18.5 | --- | --- | --- | 11.3 | 5.8 | 8.7 | 4.2 | 3.2 | 3.8 |
| 11 | 19.0 | 17.7 | 18.4 | 11.9 | 9.6 | 10.8 | 10.3 | 7.4 | 8.7 | 3.2 | 1.4 | 2.3 |
| 12 | 19.1 | 17.4 | 18.4 | 15.3 | 11.9 | 13.4 | 7.4 | 4.9 | 6.1 | 5.0 | 2.0 | 3.5 |
| 13 | 19.0 | 17.2 | 18.3 | 15.5 | 11.6 | 14.2 | 8.6 | 4.1 | 5.4 | 9.6 | 3.5 | 5.0 |
| 14 | , |  |  | 11.6 | 8.9 | 9.7 | 6.2 | 4.6 | 5.2 | 5.5 | 3.5 | 4.7 |
| 15 | --- | --- | --- | 9.9 | 8.8 | 9.4 | 6.8 | 4.5 | 5.6 | 6.8 | 4.9 | 5.8 |
| 16 | 15.5 | 13.6 | 14.6 | 12.2 | 9.5 | 10.6 | 7.2 | 4.2 | 5.5 | 5.9 | 3.6 | 4.7 |
| 17 | 15.2 | 13.4 | 14.4 | --- | --- | --- | 9.5 | 6.1 | 7.4 | 6.4 | 3.3 | 4.5 |
| 18 | 15.8 | 14.5 | 15.2 | --- | --- | --- | 6.5 | 4.5 | 5.6 | 9.1 | 6.0 | 7.3 |
| 19 | 14.9 | 13.2 | 14.2 | --- | --- | --- | 6.2 | 5.2 | 5.8 | 7.8 | 5.6 | 6.7 |
| 20 | 15.5 | 13.6 | 14.6 | --- | --- | --- | 5.5 | 3.3 | 4.0 | 5.6 | 2.7 | 3.8 |
| 21 | 16.4 | 14.6 | 15.5 | 12.5 | 10.2 | 11.4 | 3.3 | 1.5 | 2.6 | 3.7 | 1.5 | 2.8 |
| 22 | 16.6 | 15.0 | 15.9 | 11.8 | 10.0 | 11.2 | 4.4 | 1.8 | 3.1 | 4.5 | 1.5 | 3.1 |
| 23 | --- | --- | --- | 11.6 | 9.9 | 11.0 | 7.0 | 2.9 | 4.6 | 4.5 | 2.8 | 3.7 |
| 24 | --- | --- | --- | 12.9 | 10.6 | 11.6 | 9.0 | 7.0 | 8.1 | 6.2 | 2.5 | 4.2 |
| 25 | 13.5 | 12.5 | 13.0 |  | --- | --- | 7.8 | 4.4 | 5.4 | 6.2 | 0.0 | 3.6 |
| 26 | 14.7 | 13.3 | 14.0 | --- | --- | --- | 4.4 | 2.4 | 3.5 | 0.8 | 0.0 | 0.4 |
| 27 | 16.3 | 14.7 | 15.6 | --- | --- | --- | 4.0 | 2.0 | 3.2 | 2.9 | 0.8 | 1.7 |
| 28 | 16.9 | 14.0 | 15.3 | --- | --- | --- | 4.5 | 2.4 | 3.7 | 5.5 | 1.2 | 2.4 |
| 29 | 15.1 | 13.6 | 14.3 | --- | --- | --- | 6.9 | 3.2 | 4.7 | 4.2 | 0.8 | 2.5 |
| 30 | 14.2 | 11.9 | 13.3 | --- | --- | --- | 9.3 | 6.9 | 8.0 | 5.2 | 2.3 | 3.8 |
| 31 | , | --- | --- | --- | --- | --- | 7.1 | 4.4 | 5.5 | 4.8 | 2.3 | 3.5 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | 17.4 | 0.0 | 4.9 |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 3.5 | 1.2 | 2.6 | 8.4 | 4.3 | 6.2 | 14.1 | 10.2 | 12.0 | 22.3 | 16.9 | 19.1 |
| 2 | 6.0 | 1.8 | 2.8 | 10.7 | 7.1 | 8.7 | 12.8 | 10.3 | 11.5 | --- | --- | , |
| 3 | 5.4 | 3.4 | 4.5 | 14.1 | 9.2 | 11.3 | 15.2 | 8.8 | 12.0 | --- | --- | --- |
| 4 | 5.6 | 2.5 | 4.1 | 16.0 | 10.9 | 13.2 | 15.0 | 10.3 | 12.7 | 16.0 | 13.2 | 14.8 |
| 5 | 6.1 | 3.0 | 4.0 | 16.6 | 13.0 | 14.7 | 13.8 | 8.8 | 11.6 | --- | --- | 1 |
| 6 | 6.6 | 3.9 | 4.9 | 16.6 | 14.8 | 15.6 | 14.3 | 8.9 | 11.9 | --- | --- | --- |
| 7 | 7.3 | 5.1 | 5.9 | 16.4 | 11.9 | 14.2 | 16.0 | 10.4 | 13.4 | --- | --- | -- |
| 8 | 6.1 | 3.4 | 4.8 | 13.8 | 9.7 | 11.8 | 15.5 | 13.0 | 14.3 | 20.6 | 17.9 | 19.5 |
| 9 | 4.9 | 3.1 | 4.0 | 11.2 | 7.9 | 9.0 | 17.7 | 12.3 | 15.1 | 21.4 | 19.5 | 20.6 |
| 10 | 6.3 | 3.5 | 4.8 | 10.5 | 7.6 | 8.9 | 17.4 | 13.3 | 15.6 | 1. |  | . |
| 11 | 7.2 | 4.9 | 6.0 | 10.9 | 5.4 | 8.5 | 17.0 | 14.9 | 16.1 | 20.6 | 19.1 | 20.0 |
| 12 | 7.1 | 5.3 | 6.0 | 12.2 | 7.5 | 10.1 | 16.1 | 12.2 | 13.2 | 24.7 | 19.8 | 20.4 |
| 13 | 8.2 | 4.2 | 6.1 | 11.7 | 7.6 | 10.0 | 15.6 | 11.8 | 13.7 | 20.8 | 19.5 | 20.1 |
| 14 | 8.2 | 6.2 | 6.9 | 12.9 | 8.2 | 10.8 | 14.2 | 11.9 | 13.1 | --- | --- | --- |
| 15 | 8.1 | 6.8 | 7.5 | 14.0 | 11.6 | 12.4 | 16.1 | 9.5 | 12.8 | 20.8 | 19.3 | 19.9 |
| 16 | 7.4 | 5.2 | 6.3 | 15.6 | 12.4 | 13.7 | 17.3 | 11.3 | 14.4 | 24.1 | 19.0 | 20.0 |
| 17 | 5.3 | 3.9 | 4.5 | 14.4 | 11.7 | 13.0 | 18.5 | 12.8 | 15.9 | 22.1 | 20.2 | 21.0 |
| 18 | 7.1 | 3.0 | 5.1 | 12.6 | 9.7 | 10.7 | 19.6 | 14.5 | 17.2 | --- | --- | --- |
| 19 | 8.0 | 3.1 | 5.8 | 15.2 | 9.3 | 12.1 | 20.2 | 15.9 | 18.3 | --- | --- | --- |
| 20 | 10.1 | 4.7 | 7.4 | 15.0 | 9.9 | 12.1 | 20.2 | 15. | 18.3 | 22.7 | 20.3 | 21.4 |
| 21 | 12.5 | 9.4 | 10.8 | 16.5 | 12.6 | 14.2 | 19.6 | 17.0 | 18.5 | 22.8 | 21.0 | 21.8 |
| 22 | 10.6 | 6.5 | 8.6 | 12.6 | 8.3 | 10.3 | 19.7 | 16.5 | 18.3 | --- | --- | --- |
| 23 | 8.9 | 6.0 | 7.2 | 11.0 | 6.3 | 8.9 | --- | --- | --- | --- | --- | --- |
| 24 | 9.7 | 7.4 | 8.4 | 12.3 | 6.9 | 9.6 | --- | --- | --- | --- | --- | --- |
| 25 | 9.4 | 7.7 | 8.7 | 14.8 | 9.2 | 12.0 | --- | --- | --- | 24.5 | 21.9 | 23.0 |
| 26 | 8.2 | 0.1 | 4.1 | 16.7 | 11.4 | 14.2 | --- | --- | --- | 24.3 | 22.1 | 23.1 |
| 27 | 4.0 | 0.2 | 1.7 | 18.0 | 13.3 | 15.7 | --- | --- | --- | --- | --- | --- |
| 28 | 6.5 | 1.6 | 3.9 | 18.4 | 15.3 | 17.1 | --- | --- | --- | 24.6 | 21.5 | 22.6 |
| 29 | 8.2 | 2.8 | 5.2 | 17.6 | 14.2 | 16.0 | 16.4 | 13.7 | 15.3 | 23.3 | 21.2 | 22.1 |
| 30 | --- | --- | --- | 16.3 | 11.7 | 13.2 | 20.2 | 15.5 | 16.4 | --- | --- | --- |
| 31 | --- | --- | --- | 13.6 | 11.3 | 12.2 | --- | --- | --- | --- | --- | --- |
| MONTH | 12.5 | 0.1 | 5.6 | 18.4 | 4.3 | 11.9 | --- | --- | --- | --- | --- | --- |

02146348 COFFEY 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

