





City of Cornelia, Georgia WPCP Summary DMR Data Sheet, 2002 Calendar Year (pg 1 of 2)


|  | Monthly Avg Flow, MGD | Max Wkly Flow, MGD | Inf BOD, Kg/d, Avg | Inf BOD, Kg/d, Max | Inf BOD, mg/l, Avg | Inf BOD, mg/l, Max | Fecals, Avg | Fecals, Max |
|---|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|-------------|
| January | 2.716 | 2.946 | 1470 | 3116 | 145 | 234 | 29 | 114 |
| February | 2.308 | 2.565 | 1942 | 3844 | 208 | 374 | 30 | 271 |
| March | 2.457 | 2.598 | 2588 | 3974 | 284 | 403 | 25 | 271 |
| April | 2.354 | 2.469 | 2340 | 4138 | 244 | 404 | 10 | 10 |
| May | 2.407 | 2.758 | 2455 | 3700 | 272 | 387 | 10 | 10 |
| June | 2.178 | 2.370 | 1950 | 2501 | 241 | 330 | 30 | 271 |
| July | 2.100 | 2.328 | 1839 | 3700 | 239 | 350 | 35 | 173 |
| August | 2.157 | 2.362 | 1665 | 2492 | 206 | 300 | 21 | 160 |
| September | 2.606 | 3.009 | 2080 | 3070 | 215 | 297 | 16 | 27 |
| October | 2.499 | 2.882 | 2024 | 3142 | 198 | 290 | 32 | 52 |
| November | 2.445 | 2.707 | 2036 | 3209 | 222 | 317 | 24 | 223 |
| December | 2.595 | 2.827 | 2229 | 4149 | 217 | 287 | 10 | 10 |
| Avg's: | 2.402 | 2.652 | 2052 | 3420 | 224 | 331 | 23 | 133 |

|  | Tot. Res Cl ₂ , mg/l, Max | Minimum D.O., mg/l | Eff BOD, Kg/d, Avg | Eff BOD, Kg/d, Max | Eff BOD, mg/l, Avg | Eff BOD, mg/l, Max | Eff pH, Minimum | Eff pH, Maximum |
|---|--------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|
| January | BDL | 8.0 | 18.8 | 23.0 | 1.9 | 2.0 | 6.5 | 7.4 |
| February | BDL | 7.9 | 19.8 | 21.8 | 2.1 | 2.3 | 6.4 | 7.4 |
| March | BDL | 7.8 | 18.3 | 23.1 | 2.0 | 2.3 | 6.2 | 7.5 |
| April | BDL | 6.4 | 18.8 | 27.4 | 2.0 | 3.0 | 6.1 | 7.5 |
| May | BDL | 6.4 | 24.5 | 34.4 | 2.8 | 3.7 | 6.6 | 7.5 |
| June | BDL | 6.2 | 16.0 | 23.4 | 2.0 | 3.0 | 6.0 | 7.4 |
| July | BDL | 6.1 | 13.1 | 20.0 | 1.7 | 2.5 | 6.3 | 7.4 |
| August | BDL | 6.1 | 14.0 | 19.6 | 1.7 | 2.3 | 6.8 | 7.4 |
| September | BDL | 6.3 | 16.1 | 23.6 | 1.7 | 2.3 | 6.5 | 7.2 |
| October | BDL | 6.0 | 13.8 | 31.1 | 1.4 | 3.0 | 6.3 | 7.3 |
| November | BDL | 7.5 | 17.3 | 28.8 | 1.9 | 3.7 | 6.0 | 7.5 |
| December | BDL | 7.7 | 33.2 | 44.5 | 3.4 | 5.0 | 6.2 | 7.5 |
| Avg's: | | 6.9 | 18.6 | 26.7 | 2.1 | 2.9 | 6.3 | 7.4 |

|  | Inf TSS, Kg/d, Avg | Inf TSS, Kg/d, Max | Inf TSS, mg/l, Avg | Inf TSS, mg/l, Max | Eff TSS, Kg/d, Avg | Eff TSS, Kg/d, Max | Eff TSS, mg/l, Avg | Eff TSS, mg/l, Max |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| January | 606 | 781 | 60 | 74 | 29.8 | 35.7 | 3.0 | 3.8 |
| February | 1375 | 1820 | 181 | 265 | 35.8 | 50.6 | 4.9 | 8.8 |
| March | 1380 | 2221 | 181 | 333 | 25.0 | 46.1 | 2.9 | 4.8 |
| April | 1372 | 2161 | 158 | 238 | 25.6 | 65.0 | 2.9 | 7.0 |
| May | 715 | 1295 | 76 | 129 | 17.4 | 27.0 | 1.9 | 2.8 |
| June | 668 | 951 | 88 | 127 | 17.3 | 21.7 | 2.1 | 2.6 |
| July | 521 | 664 | 67 | 91 | 16.8 | 30.2 | 2.1 | 3.4 |
| August | 585 | 923 | 74 | 124 | 25.6 | 45.8 | 3.0 | 5.0 |
| September | 695 | 1053 | 74 | 92 | 10.8 | 16.4 | 1.2 | 1.9 |
| October | 1461 | 2653 | 147 | 249 | 47.5 | 129.6 | 4.8 | 13.2 |
| November | 776 | 1164 | 86 | 118 | 4.7 | 10.7 | 0.5 | 1.0 |
| December | 560 | 666 | 62 | 75 | 52.7 | 85.7 | 5.2 | 8.2 |
| Avg's: | 893 | 1363 | 104 | 160 | 25.8 | 47.0 | 2.9 | 5.2 |

City of Cornelia, Georgia WPCP Summary DMR Data Sheet, 2002 Calendar Year (con't) (pg 2 of 2)

|  | Eff Phos, Kg/d, Avg. | Eff Phos, Kg/d, Max. | Eff Phos, mg/l, Avg. | Eff Phos, mg/l, Max. | Eff NH ₃ -N, Avg, Kg/d | Eff NH ₃ -N, Max, Kg/d | Eff NH ₃ -N, Avg, mg/l | Eff NH ₃ -N, Max, mg/l |
|--|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| January | 7.0 | 7.0 | 0.7 | 0.7 | 1.0 | 1.1 | 0.1 | 0.1 |
| February | 8.0 | 8.0 | 1.4 | 1.4 | 0.9 | 1.0 | 0.1 | 0.1 |
| March | 13.1 | 18.6 | 1.4 | 1.8 | 0.9 | 1.0 | 0.1 | 0.1 |
| April | 16.1 | 18.4 | 1.7 | 1.8 | 2.4 | 7.5 | 0.3 | 0.3 |
| May | 13.8 | 16.3 | 1.6 | 1.8 | 1.8 | 4.7 | 0.2 | 0.2 |
| June | 11.7 | 19.8 | 1.5 | 1.8 | 2.5 | 7.1 | 0.3 | 0.3 |
| July | 12.4 | 15.9 | 1.6 | 1.8 | 5.6 | 14.8 | 0.6 | 0.7 |
| August | 13.2 | 16.4 | 1.6 | 2.2 | 4.8 | 11.7 | 0.6 | 0.7 |
| September | 14.4 | 22.3 | 1.5 | 1.8 | 1.0 | 1.1 | 0.1 | 0.1 |
| October | 17.0 | 22.6 | 1.7 | 2.3 | 2.0 | 5.0 | 0.2 | 0.2 |
| November | 8.3 | 13.3 | 0.9 | 1.4 | 1.0 | 1.2 | 0.1 | 0.1 |
| December | 8.1 | 19.7 | 0.8 | 1.3 | 1.1 | 1.6 | 0.1 | 0.1 |
| Avg's: | 11.9 | 16.5 | 1.4 | 1.7 | 2.1 | 4.8 | 0.2 | 0.3 |

|  | % BOD Removal, Min | % TSS Removal, Min | Eff Copper, mg/l | Eff Zinc, mg/l | Upstream Cu, mg/l | Downstrm Cu, mg/l | Upstream Zn, mg/l | Downstrm Zn, mg/l |
|--|-----------------------|-----------------------|---------------------|-------------------|----------------------|----------------------|----------------------|----------------------|
| January | 98.0% | 84.0% | | 0.16 | | | | |
| February | 98.0% | 91.0% | <0.02 | 0.110 | <0.02 | <0.02 | <0.02 | 0.064 |
| March | 99.0% | 80.0% | <0.02 | 0.100 | <0.02 | <0.02 | 0.020 | 0.098 |
| April | 98.0% | 86.0% | <0.02 | 0.085 | <0.02 | <0.02 | <0.02 | 0.023 |
| May | 98.0% | 91.0% | | | | | | |
| June | 99.0% | 94.0% | <0.02 | 0.120 | <0.02 | <0.02 | <0.02 | 0.032 |
| July | 99.0% | 89.0% | <0.02 | 0.094 | <0.02 | <0.02 | <0.02 | 0.080 |
| August | 98.0% | 85.0% | <0.02 | 0.062 | <0.02 | <0.02 | 0.020 | 0.054 |
| September | 99.0% | 96.0% | <0.02 | 0.050 | <0.02 | <0.02 | <0.02 | 0.047 |
| October | 98.0% | 63.0% | <0.02 | 0.051 | <0.02 | <0.02 | <0.02 | <0.02 |
| November | 98.0% | 96.0% | <0.02 | 0.062 | <0.02 | <0.02 | 0.024 | 0.026 |
| December | 95.0% | 63.0% | <0.02 | 0.060 | <0.02 | <0.02 | <0.02 | 0.034 |
| Avg's: | 98.1% | 84.8% | | 0.087 | | | | 0.051 |