





City of Cornelia, Georgia WPCP Summary DMR Data Sheet, 2001 Calendar Year


|  | 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 | 2.406 | 2.584 | 2659 | 3996 | 284 | 453 | 16 | 34 |
| February | 2.463 | 2.803 | 3184 | 3977 | 361 | 467 | 28 | 173 |
| March | 2.733 | 3.123 | 3419 | 5641 | 336 | 450 | 16 | 21 |
| April | 2.470 | 2.687 | 2957 | 4264 | 331 | 580 | 18 | 35 |
| May | 2.454 | 2.742 | 2638 | 3899 | 362 | 583 | 16 | 46 |
| June | 2.455 | 2.652 | 2703 | 5724 | 326 | 484 | 29 | 63 |
| July | 2.576 | 2.739 | 2514 | 4048 | 271 | 440 | 54 | 131 |
| August | 2.480 | 2.772 | 1992 | 4100 | 232 | 477 | 37 | 90 |
| September | 2.358 | 2.570 | 2281 | 4182 | 255 | 424 | 51 | 147 |
| October | 2.288 | 2.543 | 1697 | 3419 | 191 | 340 | 53 | 95 |
| November | 2.222 | 2.510 | 2110 | 4340 | 221 | 367 | 44 | 186 |
| December | 2.072 | 2.369 | 2023 | 8914 | 213 | 627 | 27 | 164 |
| Avg's: | 2.415 | 2.675 | 2515 | 4709 | 282 | 474 | 32 | 99 |

|  | 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 | 17.8 | 22.7 | 1.8 | 2.3 | 6.1 | 7.3 |
| February | BDL | 7.3 | 18.9 | 23.0 | 2.2 | 3.0 | 6.0 | 7.3 |
| March | 0.05 | 7.6 | 12.0 | 20.1 | 1.2 | 2.0 | 6.0 | 7.5 |
| April | 0.05 | 6.8 | 10.3 | 13.6 | 1.2 | 1.7 | 6.1 | 7.3 |
| May | BDL | 6.2 | 8.2 | 11.3 | 1.1 | 1.3 | 6.5 | 7.4 |
| June | 0.05 | 6.3 | 8.5 | 11.6 | 1.1 | 1.7 | 6.5 | 7.5 |
| July | 0.05 | 6.0 | 9.4 | 14.4 | 1.0 | 1.7 | 6.7 | 7.4 |
| August | BDL | 6.0 | 10.3 | 14.3 | 1.2 | 1.7 | 6.1 | 7.4 |
| September | BDL | 6.3 | 13.1 | 19.6 | 1.5 | 2.0 | 6.2 | 7.5 |
| October | BDL | 6.9 | 18.0 | 25.7 | 2.0 | 3.0 | 6.4 | 7.4 |
| November | BDL | 7.4 | 18.6 | 25.5 | 1.9 | 2.7 | 6.6 | 7.3 |
| December | BDL | 7.1 | 21.0 | 36.8 | 2.8 | 5.3 | 6.0 | 7.5 |
| Avg's: | 0.05 | 6.8 | 13.8 | 19.9 | 1.6 | 2.4 | 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 | 839 | 1422 | 94 | 145 | 29.6 | 43.5 | 3.4 | 4.6 |
| February | 1011 | 1332 | 115 | 143 | 30.4 | 41.8 | 3.6 | 4.6 |
| March | 2037 | 2967 | 242 | 294 | 23.0 | 58.7 | 2.3 | 5.6 |
| April | 2097 | 3976 | 255 | 455 | 22.7 | 32.5 | 2.6 | 3.8 |
| May | 1511 | 2036 | 180 | 268 | 12.2 | 23.5 | 1.3 | 2.6 |
| June | 2002 | 2932 | 242 | 317 | 12.2 | 17.3 | 1.4 | 1.9 |
| July | 1189 | 2304 | 130 | 250 | 15.0 | 18.8 | 1.6 | 2.0 |
| August | 928 | 1301 | 105 | 138 | 13.4 | 23.4 | 1.5 | 2.6 |
| September | 1157 | 1640 | 132 | 203 | 14.1 | 22.2 | 1.7 | 2.8 |
| October | 515 | 854 | 59 | 91 | 8.2 | 12.8 | 1.0 | 1.5 |
| November | 893 | 1227 | 103 | 135 | 11.6 | 16.8 | 1.3 | 1.7 |
| December | 683 | 1005 | 89 | 153 | 30.9 | 50.7 | 3.9 | 6.6 |
| Avg's: | 1239 | 1916 | 146 | 216 | 18.6 | 30.2 | 2.1 | 3.4 |

City of Cornelia, Georgia WPCP Summary DMR Data Sheet, 2001 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 | 2.1 | 2.1 | 0.3 | 0.3 | 1.8 | 5.7 | 0.2 | 0.8 |
| February | 8.4 | 8.4 | 1.0 | 1.0 | 27.1 | 61.7 | 3.0 | 8.1 |
| March | 12.7 | 12.7 | 1.2 | 1.2 | 6.1 | 21.1 | 0.6 | 0.6 |
| April | 26.9 | 26.9 | 2.8 | 2.8 | 3.7 | 11.1 | 0.4 | 0.4 |
| May | 1.2 | 1.2 | 0.2 | 0.2 | 7.9 | 15.5 | 0.8 | 1.7 |
| June | 18.9 | 18.9 | 1.6 | 1.6 | 5.8 | 12.0 | 0.6 | 0.7 |
| July | 21.7 | 21.7 | 3.0 | 3.0 | 6.9 | 15.4 | 0.8 | 1.8 |
| August | 24.6 | 24.6 | 3.6 | 3.6 | 2.3 | 6.8 | 0.3 | 0.3 |
| September | 19.5 | 19.5 | 3.5 | 3.5 | 1.7 | 4.2 | 0.2 | 0.2 |
| October | 20.7 | 20.7 | 2.9 | 2.9 | 1.7 | 3.9 | 0.2 | 0.2 |
| November | 12.4 | 12.4 | 1.4 | 1.4 | 1.3 | 2.6 | 0.1 | 0.1 |
| December | 18.0 | 18.0 | 1.8 | 1.8 | 46.3 | 191.5 | 5.5 | 4.6 |
| Avg's: | 15.6 | 15.6 | 1.9 | 1.9 | 9.4 | 29.3 | 1.1 | 1.6 |

|  | % 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 | 97.0% | 91.0% | | | | | | |
| February | 99.0% | 93.0% | | | | | | |
| March | 99.0% | 88.0% | | | | | | |
| April | 99.0% | 94.0% | | | | | | |
| May | 99.0% | 94.0% | | | | | | |
| June | 100.0% | 98.0% | | | | | | |
| July | 99.0% | 95.0% | | | | | | |
| August | 98.0% | 94.0% | <0.02 | 0.071 | <0.02 | <0.02 | <0.02 | 0.043 |
| September | 99.0% | 94.0% | <0.02 | 0.180 | <0.02 | <0.02 | <0.02 | 0.054 |
| October | 98.0% | 96.0% | <0.02 | 0.080 | <0.02 | <0.02 | <0.02 | 0.045 |
| November | 97.0% | 94.0% | | | | | | |
| December | 93.0% | 17.0% | <0.02 | 0.120 | <0.02 | <0.02 | <0.02 | 0.110 |
| Avg's: | 98.1% | 87.3% | | 0.113 | | | | 0.063 |