


City of Cornelia, Georgia WPCP Summary DMR Data Sheet								2020		(pg 1 of 2)
	Monthly Avg Flow, MGD	Max Wkly Flow, MGD	Inf BOD Kg/d Month	Inf BOD Kg/d Week	Inf BOD mg/l Month	Inf BOD mg/l Week	fecals/mo #/100ML	fecals/wk #/100ML		
January	2.959	3.387	3025	3422	253	290	2	2		
February	2.982	3.458	3125	3581	246	282	2	2		
March	2.973	3.116	3091	3465	237	270	2	2		
April	2.843	3.093	2890	3215	237	260	2	4		
May	2.745	2.960	3141	3481	253	295	2	5		
June	2.669	2.854	3579	3679	296	313	3	4		
July	2.566	2.722	3338	3711	290	310	3	4		
August	2.617	2.714	3671	3959	265	344	3	4		
September	2.711	2.913	3077	4143	257	341	2	2		
October	2.972	3.100	2554	2955	225	259	2	4		
November	2.650	2.898	2377	2611	235	249	2	2		
December	2.653	2.860	2667	2918	258	275	2	2		
<b>Avg's:</b>	<b>2.778</b>	<b>3.006</b>	<b>3045</b>	<b>3428</b>	<b>254</b>	<b>291</b>	<b>2</b>	<b>3</b>		
<b>NPDES Permit</b>	<b>3.0MGD</b>	<b>3.75MGD</b>	<b>R.O.</b>	<b>R.O.</b>	<b>R.O.</b>	<b>R.O.</b>	<b>400</b>	<b>200</b>		
	Tot. Res Cl <sub>2</sub> , mg/l, Max	Minimum D.O., mg/l	Eff BOD, Kg/d Month	Eff BOD, Kg/d Week	Eff BOD, mg/l Month	Eff BOD, mg/l Week	Eff pH, Minimum	Eff pH, Maximum		
January	BDL	8.9	14.7	17.0	1.3	1.3	7.0	7.7		
February	BDL	9.3	16.3	18.0	1.3	1.4	7.1	7.7		
March	BDL	9.3	16.5	19.7	1.3	1.4	7.2	7.8		
April	BDL	7.0	17.1	18.4	1.4	1.6	7.2	7.9		
May	BDL	7.9	17.4	19.8	1.4	1.6	7.2	7.9		
June	BDL	7.0	13.8	14.8	1.2	1.3	7.0	8.1		
July	BDL	6.7	17.1	24.0	1.5	2.0	7.4	8.0		
August	BDL	6.5	21.0	21.8	1.8	1.8	7.4	8.0		
September	BDL	6.9	20.3	23.8	1.7	2.0	6.9	7.4		
October	BDL	7.8	14.7	20.2	1.3	1.7	7.8	8.9		
November	BDL	8.2	14.6	19.9	1.4	1.8	7.5	7.9		
December	BDL	8.4	14.2	15.2	1.4	1.5	7.5	7.9		
<b>Avg's:</b>	<b>BDL</b>	<b>7.8</b>	<b>16.5</b>	<b>19.4</b>	<b>1.4</b>	<b>1.6</b>	<b>7.3</b>	<b>7.9</b>		
<b>NPDES Permit</b>	<b>0.013</b>	<b>6.0</b>	<b>284</b>	<b>355</b>	<b>25</b>	<b>37.5</b>	<b>6</b>	<b>8.5</b>		
	Inf TSS, Kg/d Month	Inf TSS, Kg/d Week	Inf TSS, mg/l Month	Inf TSS, mg/l Week	Eff TSS, Kg/d Month	Eff TSS, Kg/d Week	Eff TSS, mg/l Month	Eff TSS, mg/l Week		
January	1719	2083	196	248	35.7	54.1	3.4	4.0		
February	1941	2275	202	296	43.6	60.2	3.6	4.1		
March	1436	1785	110	134	35.4	48.0	2.7	3.6		
April	1943	2307	188	217	40.9	49.0	3.6	4.0		
May	2065	3242	223	422	34.4	59.3	3.5	5.0		
June	2005	2169	167	182	14.0	20.1	1.2	1.6		
July	1625	1844	141	154	12.9	14.4	1.1	1.2		
August	2437	2959	265	337	11.8	15.9	1.1	1.3		
September	2840	4330	253	341	19.3	24.9	1.7	2.1		
October	2050	2517	183	246	18.0	35.0	1.6	3.0		
November	2362	3435	236	299	10.0	13.1	1.0	1.2		
December	2641	3422	254	305	10.4	12.8	1.0	1.1		
<b>Avg's:</b>	<b>2089</b>	<b>2697</b>	<b>202</b>	<b>265</b>	<b>23.87</b>	<b>33.89</b>	<b>2.13</b>	<b>2.68</b>		
<b>NPDES Permit</b>	<b>R.O.</b>	<b>R.O.</b>	<b>R.O.</b>	<b>R.O.</b>	<b>227</b>	<b>284</b>	<b>20</b>	<b>30</b>		

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	Eff Phos, Kg/d Month	Eff Phos, Kg/d Week	Eff Phos, mg/l Month	Eff Phos, mg/l Week	Eff NH <sub>3</sub> -N, Kg/d Month	Eff NH <sub>3</sub> -N, Kg/d Week	Eff NH <sub>3</sub> -N, mg/l Month	Eff NH <sub>3</sub> -N, mg/l Week	Eff Phos, lbs/month	19-Dec	
January	0.20	0.20	0.02	0.02	0.10	0.10	0.01	0.01	10.94	8.3	
February	0.20	0.30	0.01	0.02	0.20	0.24	0.01	0.02	12.19	Accumulative Total December 2019 thru March 2020 38.95	
March	0.10	0.10	0.01	0.01	0.10	0.10	0.01	0.01	7.52		
April	0.20	0.20	0.01	0.02	0.10	0.10	0.01	0.01	8.85		
May	0.20	0.13	0.01	0.03	0.10	0.10	0.01	0.01	10.68		
June	0.10	0.20	0.01	0.01	0.10	0.10	0.01	0.01	7.27		
July	0.40	0.80	0.03	0.07	0.40	0.80	0.03	0.07	17.97		
August	0.60	1.20	0.05	0.10	1.30	5.89	0.12	0.56	36.66		
September	5.80	9.20	0.49	0.80	0.10	0.10	0.01	0.01	75.9		
October	3.20	5.00	0.30	0.41	0.20	0.41	0.02	0.04	263.74		

November	1.80	2.60	0.17	0.26	0.10	0.10	0.01	0.01	107.27
December	0.70	1.50	0.07	0.14	0.10	0.10	0.01	0.01	43.37
<b>Avg's:</b>	<b>1.13</b>	<b>1.79</b>	<b>0.10</b>	<b>0.16</b>	<b>0.24</b>	<b>0.68</b>	<b>0.02</b>	<b>0.064</b>	<b>571.71</b>
<b>NPDES Permit</b>	<b>12.5</b>	<b>15.6</b>	<b>1.1</b>	<b>1.7</b>	<b>17</b>	<b>21</b>	<b>1.5</b>	<b>2.3</b>	<b>3,425</b>
	<b>% BOD Removal, Min</b>	<b>% TSS Removal, Min</b>	<b>Solids Tons Dry Weight</b>	<b>Zinc mg/l Month</b>	<b>Orth Phos mg/l Month</b>	<b>TKN mg/l Month</b>	<b>Total N mg/l Month</b>	<b>NO3-NO2 mg/l Month</b>	
January	99.5%	97.6%	48.4	0.0198	0.016	BRL	13.0	13.0	
February	99.5%	97.3%	61.3	0.0328	0.01	BRL	13.3	13.3	
March	99.4%	97.4%	77.3	0.0229	BRL	BRL	10.9	10.9	
April	99.4%	97.5%	83.7	0.0345	BRL	BRL	11.9	11.9	
May	99.4%	97.6%	65.9	0.0238	BRL	BRL	11.4	11.4	
June	99.6%	99.2%	58.2	0.0171	BRL	BRL	19.0	19.0	
July	99.5%	99.2%	40.3	0.0117	BRL	BRL	20.8	20.8	
August	99.4%	99.4%	58.6	0.0194	BRL	BRL	17.2	17.2	
September	99.3%	99.2%	50.7	0.0126	BRL	BRL	19.4	19.4	
October	99.4%	99.0%	60.5	0.0111	0.184	BRL	19.2	19.2	
November	99.4%	99.5%	59.6	0.012	0.125	BRL	18.4	18.4	
December	99.5%	99.6%	82.5	0.0128	0.096	BRL	20.1	20.1	
<b>Avg's:</b>	<b>99.4%</b>	<b>98.5%</b>	<b>62.2</b>	<b>0.0192</b>	<b>0.086</b>	<b>#DIV/0!</b>	<b>16.2</b>	<b>16.2</b>	
<b>NPDES Permit</b>	<b>85%</b>	<b>85%</b>	<b>R.O.</b>	<b>0.0934</b>	<b>R.O.</b>	<b>R.O.</b>	<b>R.O.</b>	<b>R.O.</b>	
<b>Total Tons</b>			<b>746.9</b>						

NPDES REPORT ONLY = R.O.

NPDES Permit for Toxicity= 88% Survival, Growth and Reproduction for both Fathead Minnow & Water Flea

Toxicity Testing Results= 100% Survival, Growth and Reproduction for both the Fathead Minnow & Water Flea

DMR/QA State Certified Lab: 100% Passed