



Brunswick / Glynn County Joint Water & Sewer Commission

June 2020

WWTF Capacity Rating

	Weekly Limit		Monthly Limit		Current Average		% OF CAPACITY
ACADEMY CREEK WWTF	16.9	MGD	13.5	MGD	7.77	MGD	57.56% <i>*1 (I & I PROBLEM)</i>
DUNBAR CREEK WWTF	5	MGD	4	MGD	3.584	MGD	89.60% <i>*2 (I & I PROBLEM)</i>
SOUTH PORT WWTF	1.875	MGD	1.5	MGD	0.462	MGD	30.80%

NOTE *1: Academy Creek WWTF has an I & I Problem, which if fixed would reduce the amount of treated waste!
There are several projects under way to repair the system and reduce the I & I Problem.

NOTE *2: Dunbar Creek WWTF has an "EXTREME" I & I Problem, which if fixed would reduce the amount of treated waste!
There are several projects under way to repair the system and reduce the I & I Problem.

FINAL EFFLUENT COMPOSITE SAMPLES

JUNE 2020	FLOW MGD	7-DAY AVG	BOD mg/L	7-DAY AVG	BOD LBS/DAY	7-DAY AVG	TSS mg/L	7-DAY AVG	TSS LBS/DAY	7-DAY AVG	COD mg/L	7-DAY AVG	COD LBS/DAY	7-DAY AVG
1	6.0		11		547		29		1441		81		4026	
2	5.6		9		420		23		1074		77		3596	
3	5.9		11		543		30		1481		84		4147	
4	6.2		12		617		24		1235		75		3859	
5	6.3		18		946		31		1629		83		4361	
6	5.7													
7	9.4	6.44		12		615		27		1372		80		3998
8	10.8	7.14	12	12	1084	722	20	26	1806	1445	74	79	6684	4530
9	11.6	7.99	13	13	1252	888	27	26	2601	1750	79	79	7610	5332
10	12.4	8.91	12	13	1236	1027	21	25	2163	1887	83	79	8549	6213
11	10.6	9.54	11	13	976	1099	15	23	1331	1906	64	77	5679	6577
12	9.6	10.01	9	11	717	1053	17	20	1354	1851	72	74	5735	6851
13	9.2	10.50		11		1053		20		1851		74		6851
14	8.1	10.32		11		1053		20		1851		74		6851
15	8.3	9.96	9	11	621	961	15	19	1036	1697	64	72	4420	6398
16	7.7	9.41	10	10	642	839	14	16	899	1357	71	71	4559	5788
17	7.6	8.73	9	10	571	706	10	14	635	1051	44	63	2793	4637
18	7.6	8.29	19	11	1203	751	17	15	1076	1000	81	66	5127	4527
19	7.1	7.94	12	12	712	750	14	14	830	895	69	66	4092	4198
20	7.7	7.74		12		750		14		895		66		4198
21	7.7	7.67		12		750		14		895		66		4198
22	7.7	7.58	12	12	768	779	20	15	1279	944	63	66	4030	4120
23	7.2	7.52	7	12	423	735	14	15	845	933	59	63	3563	3921
24	7.2	7.45	6	11	358	693	9	15	537	914	50	64	2986	3959
25	7.1	7.37	5	8	294	511	7	13	412	781	54	59	3175	3569
26	6.7	7.32	7	7	391	447	7	11	391	693	52	56	2906	3332
27	6.7	7.17		7		447		11		693		56		3332
28	6.4	6.99		7		447		11		693		56		3332
29	6.6	6.83	7	6	384	370	10	9	549	547	60	55	3293	3184
30	6.6	6.74	7	6	384	362	11	9	604	499	35	50	1921	2856
TOTAL 233.09														
AVERAGE	7.77	8.15	10	11	672	742	18	17	1134	1183	67	67	4342	4698
MAXIMUM	12.35	10.50	19	13	1252	1099	31	27	2601	1906	84	80	8549	6851
MINIMUM	5.60	6.44	5	6	294	362	7	9	391	499	35	50	1921	2856

ST SIMONS ISLAND WPCP
BRUNSWICK GLYNN JWSC
PERMIT #GA0021521

FINAL EFFLUENT COMPOSITE SAMPLES

JUNE 2020	FLOW MGD	7-DAY AVG	BOD mg/L	7-DAY AVG	BOD LBS/DAY	7-DAY AVG	TSS mg/L	7-DAY AVG	TSS LBS/DAY	7-DAY AVG	D.O. mg/L	TEMP OUTFALL	pH SU	Enterococci COLIFORM #/100 ml	7-DAY GEO MEAN
1	2.933		1		24.5		2.0		48.9		7.98	27.3	6.73		
2	2.828		1		23.6		2.0		47.2		8.30	26.4	6.85	1	
3	2.836										7.33	26.0	6.53		
4	3.321		0.48		13.3		2		55.4		7.59	25.2	6.89	1	
5	3.269										8.12	26.0	6.68		
6	3.249										7.52	26.2	7.20		
7	5.184	3.374		0.8		20.4		2.0		50.5	7.86	25.0	7.73		1
8	4.404	3.584	2	1.2	73.5	36.8	4	2.7	146.9	83.2	7.80	26.6	6.93		1
9	5.014	3.897	1	1.2	41.8	42.9	8	4.7	334.5	178.9	8.12	26.6	6.95	2	1
10	4.784	4.175		1.2		42.9		4.7		178.9	8.09	26.4	6.86		1
11	4.286	4.313	0.32	1.1	11.4	42.2	2	4.7	71.5	184.3	8.02	27.1	6.78	7	4
12	4.160	4.440		1.1		42.2		4.7		184.3	8.25	26.8	6.98		4
13	4.060	4.556		1.1		42.2		4.7		184.3	7.57	26.7	6.75		4
14	3.831	4.363		1.1		42.2		4.7		184.3	7.90	26.6	6.89		4
15	3.653	4.255	1	0.8	30.5	27.9	2	4.0	60.9	155.7	7.97	27.0	6.98		4
16	3.414	4.027	1	0.8	28.5	23.5	2	2.0	56.9	63.1	8.25	25.5	6.90	5	6
17	3.500	3.843		0.8		23.5		2.0		63.1	7.92	26.4	6.73		6
18	3.501	3.731	1	1.0	28.6	29.2	2	2.0	58.4	58.8	7.86	26.8	6.84	6	5
19	3.531	3.641		1.0		29.2		2.0		58.8	7.86	27.4	6.95		5
20	3.475	3.558		1.0		29.2		2.0		58.8	7.90	27.4	7.52		5
21	3.385	3.494		1.0		29.2		2.0		58.8	7.52	26.8	7.34		5
22	3.266	3.439	1	0.9	22.9	26.7	1	1.7	27.2	47.5	7.49	28.5	7.01		5
23	3.397	3.436	1	0.8	19.8	23.8	1	1.3	28.3	38.0	8.05	28.0	7.12	1	2
24	3.336	3.413		0.8		23.8		1.3		38.0	7.66	28.2	7.06		2
25	3.215	3.372	1	0.8	26.8	23.2	1	1.0	26.8	27.5	7.96	26.9	6.88	3	2
26	3.235	3.330		0.8		23.2		1.0		27.5	7.61	28.1	6.97		2
27	3.222	3.294		0.8		23.2		1.0		27.5	7.50	27.5	7.23		2
28	3.145	3.259		0.8		23.2		1.0		27.5	7.27	27.7	7.33		2
29	3.044	3.228	5	2.2	126.9	57.9	1	1.0	25.4	26.8	8.06	28.3	6.91		2
30	3.043	3.177	4	3.3	101.5	85.1	1	1.0	25.4	25.9	7.43	30.4	7.04		3
TOTAL	107.52														
AVERAGE	3.584	3.717	1.5	1.108	41	34	2.2	2.5	72	85	7.83	27.0	6.99	3	3
MAXIMUM	5.184	4.556	5.0	3.333	127	85	8.0	4.7	335	184	8.30	30.4	7.73	7	6
MINIMUM	2.828	3.177	0.3	0.773	11	20	1.0	1.0	25	26	7.27	25.0	6.53	1	1
Hgt 7 day avg			3.3		85.1		4.7		184						
AVG LIMIT			5.0												
WKLY LIMIT			7.5												

PLANT EFFLUENT																		
JUNE	EFF FLOW	FLOW 7-DAY	EFF BOD	BOD 7-DAY	EFF BOD	BOD 7-DAY	EFF TSS	TSS 7-DAY	EFF TSS	TSS 7-DAY	WATER METER	WATER METER	EFF D.O.	EFF TEMP	EFF PH	FECAL #/100	7-DAY GEO	
2020	MGD	AVG		AVG	LBS/DAY	AVG	mg/L	AVG	LBS/DAY	AVG	READING	USING	mg/L	OUTFALL	SU	ML	MEAN	
1	0.377		4		12.58		4		12.58		9952.00	0.0003	7.02	27.1	7.38			
2	0.398		2		6.64		3		9.96		9957.00	0.0003	7.07	27.4	7.32	1		
3	0.396		5		16.51		3		9.91		9963.00	0.0001	7.22	26.7	7.24			
4	0.410										9969.00	0.0007	7.06	25.7	7.26			
5	0.426										9975.00	0.0015	7.15	26.3	7.29	4		
6	0.448										9980.00	0.0001	7.60	26.2	7.42			
7	0.704	0.451		3.7		11.91		3.33		10.81	9984.00	0.0004	7.79	25.2	7.32		2	
8	0.464	0.464	5	4.0	19.35	14.17	2	2.67	7.74	9.20	9989.00	0.00010	7.34	26.2	7.26		2	
9	0.497	0.478	1	3.7	4.14	13.34	3	2.67	12.43	10.03	9996.00	0.00017	7.16	26.9	7.20	4	4	
10	0.463	0.487	9	5.0	34.75	19.42	3	2.67	11.58	10.59	9999.00	0.00003	7.35	26.9	7.32		4	
11	0.463	0.495		5.0		19.42		2.67		10.59	10008.00	0.00000	7.12	27.5	6.74	3	4	
12	0.460	0.500		5.0		19.42		2.67		10.59	10010.00	0.00017	7.21	27.4	6.38		3	
13	0.475	0.504		5.0		19.42		2.67		10.59	10016.00	0.00010	7.48	26.8	6.84		3	
14	0.467	0.470		5.0		19.42		2.67		10.59	10021.00	0.00005	7.56	26.4	6.88		3	
15	0.435	0.466	4	4.7	14.51	17.80	4	3.33	14.51	12.84	10026.00	0.00005	7.13	25.6	7.05		3	
16	0.440	0.458	2	5.0	7.34	18.87	2	3.00	7.34	11.15	10031.00	0.00005	7.37	25.0	7.11	30	9	
17	0.451	0.456	8	4.7	30.09	17.31	3	3.00	11.28	11.04	10035.00	0.00003	7.42	25.6	7.12		9	
18	0.472	0.457		4.7		17.31		3.00		11.04	10040.00	0.00005	7.25	26.5	7.12	4	11	
19	0.493	0.462		4.7		17.31		3.00		11.04	10044.00	0.00003	7.15	26.7	7.05		11	
20	0.540	0.471		4.7		17.31		3.00		11.04	10060.00	0.00030	7.49	27.7	7.38		11	
21	0.496	0.475		4.7		17.31		3.00		11.04	10068.00	0.0007	7.21	28.9	7.31		11	
22	0.464	0.479	6	5.3	23.22	20.22	5	3.33	19.35	12.66	10075.00	0.00010	6.92	27.9	7.17		11	
23	0.377	0.470	3	5.7	9.43	20.91	5	4.33	15.72	15.45	10080.00	0.00005	6.86	27	7.23	116	22	
24	0.457	0.471	7	5.3	26.68	19.78	5	5.00	19.06	18.04	10088.00	0.00005	7.26	27.7	7.23		12	
25	0.489	0.474		5.3		19.78		5.00		18.04	10098.00	0.00010	7.14	28.2	7.17	14	40	
26	0.476	0.471		5.3		19.78		5.00		18.04	10110.00	0.00000	6.97	28.1	7.29		40	
27	0.463	0.460		5.3		19.78		5.00		18.04	10121.00	0.0007	7.26	27.3	7.38		40	
28	0.456	0.455		5.3		19.78		5.00		18.04	10129.00	0.0007	7.24	28.1	7.45		40	
29	0.452	0.453	17	9.0	64.08	33.40	6	5.33	22.62	19.13	10134.00	0.00000	6.79	28.5	7.20		40	
30	0.436	0.461	8	10.7	29.09	39.95	4	5.00	14.54	18.74	10140.00	0.00000	6.56	28.5	7.20	11	12	
TOTAL												0.0065						
AVERAGE	0.462	0.470	6	5	21.32	19.71	4	3.597	13.47	13.27		0.0002	7.21	27.0	7.18	21	8	
MAXIMUM	0.704	0.504	17.0	11	64.08	40.0	6.0	5.33	22.6	19.1		0.0015	7.79	28.9	7.45	116	40	
MINIMUM	0.377	0.451	1.0	3.7	4.14	11.9	2.0	2.67	7.3	9.2			6.56	25.0	6.38	1	2	