



**Brunswick / Glynn County Joint Water & Sewer Commission**

Sept. 2018

**WWTF Capacity Rating**

	Weekly Limit		Monthly Limit		Current Average		% OF CAPACITY
ACADEMY CREEK WWTF	16.9	MGD	13.5	MGD	7.26	MGD	53.78% *1 (I & I PROBLEM)
DUNBAR CREEK WWTF	5	MGD	4	MGD	2.55	MGD	63.75% *2 (I & I PROBLEM)
SOUTH PORT WWTF	1.875	MGD	1.5	MGD	0.377	MGD	25.13%

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

ACADEMY CREEK WPCP

CITY OF BRUNSWICK

PERMIT #GA0025313

FINAL EFFLUENT COMPOSITE SAMPLES

SEPT 2018	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 COD AVG mg/L	7-DAY AVG	COD LBS/DAY	7-DAY AVG		
1	7.19														
2	7.71														
3	8.66		9		650		13		939	58		4189			
4	8.83		9		663		18		1326	70		5155			
5	8.15		5		340		8		544	54		3670			
6	8.21		5		342		8		548	52		3561			
7	7.73	8.07	6	7	387	476	9	11	580	787	65	60	4190	4153	
8	7.76	8.15		7		476		11		787		60		4153	
9	7.37	8.10		7		476		11		787		60		4153	
10	7.62	7.95	8	7	508	448	12	11	763	752	63	61	4004	4116	
11	7.39	7.75	9	7	555	426	14	10	863	659	65	60	4006	3886	
12	7.86	7.71	12	8	787	516	9	10	590	669	60	61	3933	3939	
13	7.61	7.62	9	9	571	562	16	12	1015	762	79	66	5014	4229	
14	7.22	7.55	5	9	301	544	9	12	542	755	54	64	3252	4042	
15	7.02	7.44		9		544		12		755		64		4042	
16	6.59	7.33		9		544		12		755		64		4042	
17	6.98	7.24	8	9	466	536	17	13	990	800	70	66	4075	4056	
18	6.91	7.17	6	8	346	494	15	13	864	800	71	67	4092	4073	
19	6.75	7.01	8	7	450	427	17	15	957	874	61	67	3434	3973	
20	6.80	6.90	8	7	454	403	20	16	1134	897	71	65	4027	3776	
21	7.06	6.87	8	8	471	437	19	18	1119	1013	66	68	3886	3903	
22	6.54	6.80		8		437		18		1013		68		3903	
23	6.25	6.76		8		437		18		1013		68		3903	
24	6.62	6.70	6	7	331	410	16	17	883	992	56	65	3092	3706	
25	6.54	6.65	6	7	327	407	13	17	709	960	49	61	2673	3422	
26	6.56	6.62	7	7	383	393	9	15	492	868	60	60	3283	3392	
27	6.31	6.55	5	6	263	355	9	13	474	735	51	56	2684	3123	
28	6.49	6.47	6	6	325	326	10	11	541	620	64	56	3464	3039	
29	6.07	6.41		6		326		11		620		56		3039	
30	8.85	6.78		6		326		11		620		56		3039	
<b>TOTAL</b>		217.65													
<b>AVERAGE</b>		7.26	7.19	7	7	439	447	13	13	790	804	62	62	3748	3796
<b>MAXIMUM</b>		8.85	8.15	12	9	787	562	20	18	1326	1013	79	68	5155	4229
<b>MINIMUM</b>		6.07	6.41	5	6	263	326	8	10	474	620	49	56	2673	3039

ST SIMONS ISLAND WPCP

BRUNSWICK GLYNN JWSC

PERMIT #GA0021521

FINAL EFFLUENT COMPOSITE SAMPLES

September 2018	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	2.764										8.82	28.7	7.76		
2	3.154										8.28	27.7	7.68		
3	3.238		1.0		27.0		0.98		26.5		8.06	28.3	7.75		
4	2.873		1.0		24.0		0.80		19.2		8.10	28.3	7.74	6	
5	2.892										6.50	28.2	7.76		
6	2.840		1.0		23.7		1		23.7		7.67	28.3	7.71	27	
7	3.070	2.976		1.0		24.9	0.9			23.1	7.12	28.3	7.71		13
8	2.910	2.997		1.0		24.9	0.9			23.1	7.20	28.3	7.76		13
9	2.625	2.921		1.0		24.9	0.9			23.1	8.00	28.2	7.70		13
10	2.619	2.833	2.0	1.3	43.7	30.4	1.0	0.9	21.8	21.6	7.60	29.1	7.23		13
11	2.779	2.819	2.0	1.7	46.4	37.9	0.95	1.0	22.0	22.5	8.23	28.5	7.74	9	16
12	2.465	2.758	2.0	1.8	41.1	38.7	0.80	0.9	16.4	21.0	7.93	28.6	7.83		16
13	2.577	2.721	2.0	2.0	43.0	43.5	1	0.9	21.5	20.4	7.96	28.4	7.77	13	11
14	2.903	2.697		2.0		43.5	0.9			20.4	8.08	28.3	7.71		11
15	2.449	2.631		2.0		43.5	0.9			20.4	8.13	28.3	7.58		11
16	2.714	2.644		2.0		43.5	0.9			20.4	7.92	28.3	7.61		11
17	2.407	2.613	2.0	2.0	40.1	42.7	1.0	0.9	20.1	20.0	7.75	28.5	7.73		11
18	2.063	2.511	0.77	1.7	13.2	34.4	0.98	0.9	16.9	18.7	7.81	28.4	7.80	224	54
19	2.194	2.472		1.6		32.1	1.0			19.5	7.92	28.2	7.61	140	74
20	2.210	2.420	2.0	1.6	36.9	30.1	1	1.0	18.4	18.5	7.93	28.3	7.71	16	79
21	2.439	2.354		1.6		30.1	1.0			18.5	7.97	28.3	7.68	53	72
22	2.317	2.335		1.6		30.1	1.0			18.5	8.15	28.1	7.77		72
23	2.249	2.268		1.6		30.1	1.0			18.5	8.06	28.2	7.86		72
24	2.171	2.235	3.0	1.9	54.3	34.8	2.0	1.3	36.2	23.8	8.04	28.2	7.83		72
25	2.221	2.257	0.79	1.9	14.6	35.3	1	1.3	18.5	24.4	8.03	28.3	7.75	16	37
26	2.205	2.259		1.9		35.3		1.3		24.4	8.00	28.4	7.66		24
27	2.277	2.268	0.58	1.5	11.0	26.7	2	1.7	38.0	30.9	8.05	28.3	7.87	85	42
28	2.073	2.216		1.5		26.7		1.7		30.9	8.12	28.4	7.73		37
29	2.318	2.216		1.5		26.7		1.7		30.9	8.03	26.7	7.25		37
30	2.485	2.250		1.5		26.7		1.7		30.9	8.24	28.7	7.38		37
<b>TOTAL</b>	76.50														
<b>AVERAGE</b>	2.550	2.528	2	1.625	32	33	1	1	23	23	7.92	28.29	7.69	59	30
<b>MAXIMUM</b>	3.238	2.997	3.0	2.0	54	44	2.0	2	38	31	8.82	29.10	7.87	224	79
<b>MINIMUM</b>	2.063	2.216	1	1.000	11	25	1	1	16	18	6.50	26.70	7.23	6	11
Hgt 7 day avg			2.0		43.5		1.7		31						
<b>AVG LIMIT</b>			5.0												
<b>WKLY LIMIT</b>			7.5												

**PLANT EFFLUENT**

SEPTEMBER	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 READING	EFF D.O.	EFF TEMP	EFF PH	FECAL #/100 ML	7-DAY GEO MEAN
2018	MGD	AVG	mg/L	AVG	LBS/DAY	AVG	mg/L	AVG	LBS/DAY	AVG		mg/L	OUTFALL	SU		
1	0.399										7218.00	8.68	28.2	7.37		
2	0.385										7220.00	8.66	28.3	7.39		
3	0.450		6		22.52		6		22.52		7221.00	8.59	28.2	6.89		
4	0.464		2		7.74		6		23.22		7226.00	8.77	28.1	7.27	42	
5	0.396		7		23.12		4		13.21		7230.00	8.61	28.2	6.84		
6	0.466										7234.00	7.07	28.2	7.41	10	
7	0.387	0.421		5.0		17.79		5.33		19.65	7234.00	8.22	28.1	7.28		20
8	0.359	0.415		5.0		17.79		5.33		19.65	7234.00	7.63	28.6	7.23		20
9	0.363	0.412		5.0		17.79		5.33		19.65	7240.00	8.25	28.1	7.53		20
10	0.421	0.408	6	5.0	21.07	17.31	4	4.67	14.04	16.82	7244.00	8.14	28.3	7.07		20
11	0.415	0.401	2	5.0	6.92	17.04	5	4.33	17.31	14.85	7248.00	7.71	28.3	7.26	15	12
12	0.388	0.400	2	3.3	6.47	11.49	5	4.67	16.18	15.84	7251.00	7.50	28.5	6.88		12
13	0.367	0.386		3.3		11.49		4.67		15.84	7253.00	7.41	28.4	7.11	2	5
14	0.329	0.377		3.3		11.49		4.67		15.84	7255.00	7.55	28.3	7.11		5
15	0.322	0.372		3.3		11.49		4.67		15.84	7255.00	6.98	28.3	7.21		5
16	0.332	0.368		3.3		11.49		4.67		15.84	7260.00	6.89	28.4	7.19		5
17	0.397	0.364		2.0		6.70		5.00		16.74	7262.00	8.14	28.4	7.11		5
18	0.343	0.354	3	2.5	8.58	7.53	4	4.50	11.44	13.81	7264.00	7.35	28.3	6.97	20	6
19	0.441	0.362	11	7.0	40.46	24.52	6	5.00	22.07	16.76	7264.00	7.60	28.5	7.08		6
20	0.378	0.363	4	6.0	12.61	20.55	3	4.33	9.46	14.32	7268.00	7.12	28.5	7.40	4	9
21	0.375	0.370		6.0		20.55		4.33		14.32	7269.00	7.34	28.4	7.21		9
22	0.359	0.375		6.0		20.55		4.33		14.32	7270.00	8.12	28.4	7.31		9
23	0.369	0.380		6.0		20.55		4.33		14.32	7272.00	8.17	28.2	6.69		9
24	0.348	0.373	5	5.8	14.51	19.04	6	4.75	17.41	15.10	7272.00	8.00	28.1	7.60		9
25	0.385	0.379	2	5.5	6.42	18.50	5	5.00	16.05	16.25	7274.00	8.09	28.2	7.69	2	3
26	0.337	0.364	7	4.5	19.67	13.30	8	5.50	22.48	16.35	7275.00	7.73	28.2	7.35		3
27	0.349	0.360		4.7		13.54		6.33		18.65	7276.00	8.74	28.2	7.40	1	1
28	0.333	0.354		4.7		13.54		6.33		18.65	7278.00	8.61	28.4	7.46		1
29	0.321	0.349		4.7		13.54		6.33		18.65	7279.00	8.58	27.1	7.38		1
30	0.327	0.343		4.7		13.54		6.33		18.65	7279.00	8.36	28.5	7.57		1
TOTAL	11.305	9.052														
AVERAGE	0.377	0.377	4.8	4.6	15.84	15.46	5.2	5.031	17.12	16.53		7.95	28.2	7.24	12	6
MAXIMUM	0.466	0.421	11.0	7.0	40.46	24.5	8.0	6.33	23.2	19.6		8.77	28.6	7.69	42	20
MINIMUM	0.321	0.343	2.0	2.0	6.42	6.7	3.0	4.33	9.5	13.8		6.89	26.5	6.69	1	1