

WWTP FLOW & CAPACITY DATA						
WWTP Permitted Capacity MGD	Approx Current Avg Daily Flow ¹ MGD	Obligated Not Yet Tributary Daily Flow - This Basin MGD	Current Flow plus Obligated Flow Not Tributary MGD	Available Capacity MGD	Percentage of Capacity Utilized & Allocated	Percentage of Capacity Remaining
1.5000	0.9449	0.3208	1.2657	0.2343	84%	16%

Prepared by:  Engineering Unit
Town of Beaufort
701 Front Street
Beaufort, NC 28516



Systemwide Sewer Capacity Allocations to Projects not yet Complete that are Tributary to the Beaufort WWTP														
1 Development Name	2 Date of Allocation	3 Type Commercial or Residential	4 Estimated Number of Units	5 Allocation per Unit GPD/Unit	6 Allocation GPD	7 Number of Permitted Units	8 = 5 X 7 Used Allocation ² GPD	9 = 6 - 8 Obligated Not Yet Used		10 Number of Completed Units ³	11 = 6 - (5 X 10) Obligated Not Yet Tributary (Not Used & Used but Not Complete)		Date of this Update	
								GPD	MGD		GPD	MGD		
								Live Oaks Common Subdivision	2020-07-01		Residential	8		480
North Pines/North Point Subdivs	2017-06-23	Residential	11	360	3,960	0	0	3,960	0.0040	0	3,960	0.0040	2019-11-12	
PruittHealth	2021-10-11	Commercial	1	12,480	12,480	0	0	12,480	0.0125	0	12,480	0.0125	2022-05-12	
312 Ann Street	N/A	Residential	1	360	360	0	0	360	0.0004	0	360	0.0004	2022-05-12	
The Wye Subdivision (3- Bdrm)	N/A	Residential	20	360	7,200	19	6840	360	0.0004	18	720	0.0007	2022-05-12	
The Wye Subdivision (4-Bdrm)	N/A	Residential	4	480	1,920	3	1440	480	0.0005	3	480	0.0005	2019-11-12	
North River Club Section 1 (3-Bdrm)	N/A	Residential	101	360	36,360	65	23400	12,960	0.0130	57	15,840	0.0158	2022-05-12	
North River Club Section 1 (4-Bdrm)	N/A	Residential	18	480	8,640	10	4800	3,840	0.0038	10	3,840	0.0038	2019-11-12	
North River Club Section 1 (5-Bdrm)	N/A	Residential	8	600	4,800	5	3000	1,800	0.0018	5	1,800	0.0018	2019-11-12	
North River Club Section 2 (3-Bdrm)	N/A	Residential	68	360	24,480	0	0	24,480	0.0245		24,480	0.0245	2019-11-12	
North River Club Section 2 (4-Bdrm)	N/A	Residential	26	480	12,480	1	480	12,000	0.0120	1	12,000	0.0120	2019-11-12	
North River Club Section 2 (5-Bdrm)	N/A	Residential	10	600	6,000	1	600	5,400	0.0054	1	5,400	0.0054	2019-11-12	
Deerfield Shores (3-Bdrm Homes)	2014-06-09	Residential	29	360	10,440	25	9000	1,440	0.0014	25	1,440	0.0014	2020-11-01	
Deerfield Shores Marina	2014-06-09		1	2,200	2,200	1	2200	0	0.0000	1	0	0.0000	2020-11-01	
Deerfield Shores Extra Permitted Capacity	N/A	Residential	15	360	5,400	0	0	5,400	0.0054	0	5,400	0.0054	2020-11-01	
Sea Grove Subdivision (3-Bdrm)	N/A	Residential	27	360	9,720	26	9360	360	0.0004	26	360	0.0004	2022-05-12	
Sea Grove Subdivision (4-Bdrm)	N/A	Residential	1	480	480	1	480	0	0.0000	1	0	0.0000	2022-05-12	
Beau Coast & Beaufort East Village Subdivisions	2008-06-04	Residential	<i>Allocation by June 2008 agreement; not tied to number of units</i>		140,174	<i>See attachment</i>	24,840	115,334	0.1153	<i>See attachment</i>	135,854	0.1359	2019-11-12	
Front Street Village	2008-06-04	Mixed Use	<i>Allocation by June 2008 agreement; not tied to number of units</i>		115,668	<i>See attachment</i>	57,528	58,140	0.0581	<i>See attachment</i>	58,140	0.0581	2022-05-12	
Town Creek Harbor Subdiv (3-Bdrm)	N/A	Residential	6	480	2,880	2	960	1,920	0.0019	3	1,440	0.0014	2022-05-12	
Palmetto Plantation, Ph 2	N/A	Residential	9	360	3,240	5	1800	1,440	0.0014	5	1,440	0.0014	2022-05-12	
511/513 Turner St Triplex Townhouses	N/A	Residential	3	360	1,080	3	1080	0	0.0000	0	1,080	0.0011	2022-05-12	
1205 Lennoxville RD	N/A	Residential	4	360	1,440	4	1440	0	0.0000	0	1,440	0.0014	2022-05-12	
423 West Beaufort Road	2021-05-21	Residential	1	360	360	1	360	0	0.0000	0	360	0.0004	2022-05-12	
Compass Hotel	2022-05-09	Commercial	1	13,600	13,600	0	0	13,600	0.0136		13,600	0.0136	2022-05-12	
Trestle Walk Subdivision	2022-03-14	Residential	7	480	3,360	0	0	3,360	0.0034	0	3,360	0.0034	2022-05-12	
Aqua 10 Subdivision (4-Bdrm)	N/A	Residential	16	480	7,680	1	480	6,600	0.0066	0	7,080	0.0071	2022-05-12	
Aqua 10 (5-Bdrm ACTUAL)				600		1	600			1			2021-08-12	
Aqua 10 Clubhouse/Docking Facility (per slip)	2017-??-??	Residential	9	10	90	0	0	90	0.0001	0	90	0.0001	2019-11-27	
Maritime Education Center	2020-01-23	Commercial	1	4,280	4,280	1	4280	0	0.0000	0	4,280	0.0043	2019-11-13	
Bonehenge Whale Center	2020-01-23	Commercial	1	250	250	1	250	0	0.0000	0	250	0.0003	2022-05-12	
					TOTAL	444,862		156,178	288,684	0.2887		320,814	0.3208	

Notes:

MGD means million gallons per day
GPD means gallons per day

¹ - The current average daily flow is based upon 12 months of flow data.

² - Allocation is considered used upon issuance of a permit for construction.

³ - A unit is considered complete when a Certificate of Occupancy has been issue. The flow from a completed unit is considered part of the flow recorded of the WWTP after the unit has been in operation/occupied for 4 to 12 months. As such, the unit should not be entered as complete unit it has been occupied for 6 to 12 months.

Computation of WWTP Average Daily Influent Flow (MGD)

Column1	2017	2018	2019	2020	2021	2022	2023	2024	2025
January	0.8465	0.9689	1.1229	0.7259	1.0403				
February	0.7119	0.848	1.1097	0.9054	1.4963				
March	0.7329	0.7159	0.8850	0.8367	0.9362				
April	0.8079	0.8789	0.8376	0.7354	0.7658				
May	0.8641	0.9886	0.6509	0.7877	0.7157				
June	0.7257	0.9520	0.6992	0.8724	1.2028				
July	0.6110	1.1126	0.6715	0.7513	0.8766				
August	0.6083	1.0187	0.8329	0.9627	1.1480				
September	0.8465	1.3983	0.9360	0.8064	0.8188				
October	0.6033	0.9165	0.8699	0.7980	0.8557				
November	0.6237	1.0459	0.9135	0.9402	0.7496				
December	0.7314	-	0.8189	1.1050	0.7329				

1 Year	→	Jan '17 - Dec '17 = 0.7261
1 Year	→	Jan '18 - Dec '18 = 0.9858
1 Year	→	Jan '19 - Dec '19 = 0.8623
1 Year	→	Jan '20 - Dec '20 = 0.8523
1 Year	→	Jan '21 - Dec '21 = 0.9449
2 Years	→	Jan '20 - Dec '21 = 0.8986
3 Years	→	Jan '19 - Dec '21 = 0.8865

Transfer to Sheet 1 ←

Notes:

1. Hurricane Florence made its landfall as a category 1 hurricane near Wrightsville Beach on the morning of September 14, 2018.
2. Hurricane Dorian made its landfall as a category 1 hurricane over Cape Hatteras on the morning of September 6, 2018.
3. The influent meter was out of service during December 2018
4. May 2020 = 13.80" rainfall total that included indirect hits from T.S. Arthur and T.S. Bertha
5. June 2020 = 7.30" rainfall total
6. Hurricane Isaias made North Carolina landfall on August 3, 2020; however, its presence did not appear to significantly impact the computed monthly wastewater inflow.

PERMITTED AND COMPLETED UNITS IN FRONT STREET VILLAGE										
1	2	3	4 = 2 X 3	5	6 = 3 X 5	7	8 = 3 X 7	9 = 6 - 8		Date of this Update
Development Type	Number of Planned Units	Engineer of Record Supplied Unit Flows	Overall Capacity needed for all Units	Number of Permitted Units	Used Allocation ²	Number of Completed Units ³	Theoretical Flow being discharged from Completed Units	Obligated Not Yet Tributary (Used but Not Complete)		
		GPD/Unit	GPD		GPD		GPD	GPD	MGD	
Boat Storage #1 (213 Slots w/o Bathhouse) with Convenience Store, Caterers' Kitchen & Meeting Space	1	9,308	9308	1	9,308	1	9,308	0	0.0000	2019-11-12
Full Service Marina (210 slips)	1	200	200	1	200	1	200	0	0.0000	2019-11-12
129-Room Inn including Pool used by Inn Guests & Marina Club Members	1	15,905	15,905	1	15,905	1	15,905	0	0.0000	2019-11-12
Bistro with meeting spaces	1	11,070	11,070	1	11,070	1	11,070	0	0.0000	2019-11-12
Transportation & Welcome Center with Reception Area, Warehouse, and Golf Cart Barn	1	150	150		0		0	0	0.0000	2019-11-12
2-Bedroom Residential Unit	4	240	960	4	960	4	960	0	0.0000	2019-11-12
3-Bedroom Residential Unit	3	360	1,080	3	1,080	3	1,080	0	0.0000	2019-11-12
Phase 3 Boat Storage (310 slots w/o bathhouse)	1	19,005	19,005	1	19,005	1	19,005	0	0.0000	2019-11-12
TOTAL	13		57,678		57,528	12	57,528	0	0.0000	

CAPACITY ALLOCATED TO THE FRONT STREET VILLAGE DEVELOPMENT: 115,668 GPD
 USED ALLOCATION FROM COLUMN 6 ABOVE: 57,528 GPD
REMAINING/UNUSED ALLOCATION (TRANSFER TO SHT 1, COLUMN 9): 58,140 GPD
 CAPACITY FOR PERMITTED UNITS NOT YET TRIBUTARY FROM COLUMN 9 ABOVE: 0 GPD
UNUSED & USED NOT YET TRIBUTARY (TRANSFER TO SHT 1, COLUMN 11) 58,140 GPD

PERMITTED AND COMPLETED UNITS IN BEAU COAST & BEAUFORT EAST VILLAGE SUBDIVISIONS								
1	2	3	4 = 2 X 3	5	6 = 3 x 5	7 = 4 - 6		Date of this Update
Development Type	Number of Permitted Units	Regulatory Unit Flow	Used Allocation ²	Number of Completed Units ³	Theoretical Flow being Discharged from Completed Units	Obligated Not Yet Tributary (Used but Not Complete)		
		GPD/Unit	GPD		GPD	GPD	MGD	
Beau Coast Phase 1A								
2-Bedroom Units	10	240	2,400	9	2,160	240	0.0002	2019-11-12
3-Bedroom Units	37	360	13,320	27	9,720	3,600	0.0036	2019-11-12
4-Bedroom Units	19	480	9,120	18	8,640	480	0.0005	2019-11-12
SUBTOTAL	66		24,840	54	20,520	4,320	0.0043	
Beau Coast Phase 2A								
2-Bedroom Units			0		0	0	0.0000	
3-Bedroom Units			0		0	0	0.0000	
4-Bedroom Units			0		0	0	0.0000	
SUBTOTAL	0		0	0	0	0	0.0000	
Beau Coast Phase 3								
2-Bedroom Units			0		0	0	0.0000	
3-Bedroom Units			0		0	0	0.0000	
4-Bedroom Units			0		0	0	0.0000	
SUBTOTAL	0		0	0	0	0	0.0000	
Beau Coast Phase 4								
2-Bedroom Units			0		0	0	0.0000	
3-Bedroom Units			0		0	0	0.0000	
4-Bedroom Units			0		0	0	0.0000	
SUBTOTAL	0		0	0	0	0	0.0000	
Beau Coast Phase 5								
2-Bedroom Units			0		0	0	0.0000	
3-Bedroom Units			0		0	0	0.0000	
4-Bedroom Units			0		0	0	0.0000	
SUBTOTAL	0		0	0	0	0	0.0000	

Table continued on next page

CONTINUATION OF TABLE: PERMITTED AND COMPLETED UNITS IN BEAU COAST & BEAUFORT EAST VILLAGE SUBDIVISIONS								
1	2	3	4 = 2 X 3	5	6 = 3 x 5	6 = 3 X 5		Date of this Update
Development Type	Number of Permitted Units	Regulatory Unit Flow GPD/Unit	Used Allocation ² GPD	Number of Completed Units ³	Theoretical Flow being Discharged from Completed Units GPD	Obligated Not Yet Tributary (Used but Not Complete)		
						GPD	MGD	
Beaufort East Village Phase 6								
2-Bedroom Units		240	0		0	0	0.0000	
3-Bedroom Units		360	0		0	0	0.0000	
4-Bedroom Units		480	0		0	0	0.0000	
SUBTOTAL	0		0	0	0	0	0.0000	
Beaufort East Village Phase 7								
2-Bedroom Units			0		0	0	0.0000	
3-Bedroom Units			0		0	0	0.0000	
4-Bedroom Units			0		0	0	0.0000	
SUBTOTAL	0		0	0	0	0	0.0000	
Beaufort East Village Phase 8								
2-Bedroom Units			0		0	0	0.0000	
3-Bedroom Units			0		0	0	0.0000	
4-Bedroom Units			0		0	0	0.0000	
SUBTOTAL	0		0	0	0	0	0.0000	
Beaufort East Village Phase 9								
2-Bedroom Units			0		0	0	0.0000	
3-Bedroom Units			0		0	0	0.0000	
4-Bedroom Units			0		0	0	0.0000	
SUBTOTAL	0		0	0	0	0	0.0000	
BLUE TREASURE/PRESTON DEVELOPMENT TOTAL	66		24,840	54	20,520	4,320	0.00432	

CAPACITY ALLOCATED TO BLUE TREASURE (PRESTON DEVELOPMENT): 140,174 GPD
 USED ALLOCATION FROM COLUMN 4 ABOVE: 24,840 GPD
REMAINING/UNUSED ALLOCATION (TRANSFER TO SHT 1, COLUMN 9): 115,334 GPD
 CAPACITY FOR PERMITTED UNITS NOT YET TRIBUTARY FROM COLUMN 6 ABOVE: 4,320 GPD
UNUSED & USED NOT YET TRIBUTARY (TRANSFER TO SHT 1, COLUMN 11) 119,654 GPD