

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	0.2777	1.2226	0.2774	82%	18%

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

63%



Systemwide Sewer Capacity Allocations to Projects not yet Complete and Recently Completed Projects 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		10 Number of Completed Units ³	11 = 6 - (5 X 10)		Date of this Update	
								Obligated Not Yet Used			Obligated Not Yet Tributary (Not Used & Used but Not Complete)			
								GPD	MGD		GPD	MGD		
Live Oaks Common Subdivision	2020-07-01	Residential	8	240	1,920	4	960	960	0.0010	1	1,680	0.0017	2023-02-14	
North Pines/North Point Subdivs	2017-06-23	Residential	11	180	1,980	0	0	1,980	0.0020	0	1,980	0.0020	2019-11-12	
PruittHealth	2021-10-11	Commercial	1	12,480	12,480	1	12480	0	0.0000	0	12,480	0.0125	2023-02-14	
312 Ann Street	N/A	Residential	1	360	360	1	360	0	0.0000	1	0	0.0000	2023-02-14	
The Wye Subdivision (3- Bdrm)	N/A	Residential	20	360	7,200	20	7200	0	0.0000	20	0	0.0000	2023-01-27	
The Wye Subdivision (4-Bdrm)	N/A	Residential	4	240	960	3	720	240	0.0002	3	240	0.0002	2023-01-27	
North River Club Section 1 (2-Bdrm)	N/A	Residential	1	120	120	1	120	0	0.0000	1	0	0.0000	2023-02-14	
North River Club Section 1 (3-Bdrm)	N/A	Residential	86	180	15,480	66	11880	3,600	0.0036	62	4,320	0.0043	2023-02-14	
North River Club Section 1 (4-Bdrm)	N/A	Residential	18	240	4,320	17	4080	240	0.0002	17	240	0.0002	2023-02-14	
North River Club Section 1 (5-Bdrm)	N/A	Residential	6	300	1,800	4	1200	600	0.0006	4	600	0.0006	2023-02-14	
North River Club Section 2 (3-Bdrm)	N/A	Residential	88	180	15,840	19	3420	12,420	0.0124	12	13,680	0.0137	2023-02-14	
North River Club Section 2 (4-Bdrm)	N/A	Residential	26	240	6,240	4	960	5,280	0.0053	3	5,520	0.0055	2023-02-14	
North River Club Section 2 (5-Bdrm)	N/A	Residential	10	300	3,000	0	0	3,000	0.0030	0	3,000	0.0030	2023-02-14	
Deerfield Shores (Original System)	2014-06-09	Residential	29	360	10,440	26	9360	1,080	0.0011	26	1,080	0.0011	2023-02-14	
Deerfield Shores Marina	2014-06-09	Commercial	1	2,200	2,200	1	2200	0	0.0000	1	0	0.0000	2020-11-01	
Deerfield Shores Additional Requests (2-Bdrm)	Varies	Residential	2	120	240	2	240	0	0.0000	1	120	0.0001	2023-02-14	
Deerfield Shores Additional Requests (3-Bdrm)	Varies	Residential	2	180	360	1	180	180	0.0002	0	360	0.0004	2023-02-14	
Deerfield Shores Additional Requests (4-Bdrm)	Varies	Residential	2	240	480	1	240	240	0.0002	0	480	0.0005	2023-02-14	
Sea Grove Subdivision (3-Bdrm)	N/A	Residential	27	180	4,860	27	4860	0	0.0000	26	180	0.0002	2023-01-27	
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 & Beau Coast West (Beaufort East Village) Subdivisions	2008-06-04	Residential	Allocation by June 2008 agreement; not tied to number of units		225,050	See attachment	128,100	96,950	0.0970	See attachment	123,890	0.1239	2022-12-19	
Front Street Village	2008-06-04	Mixed Use	Allocation by June 2008 agreement; not tied to number of units		124,950	See attachment	60,768	64,182	0.0642	See attachment	67,422	0.0674	2023-02-20	
Town Creek Harbor Subdiv (4-Bdrm)	N/A	Residential	6	240	1,440	5	1200	240	0.0002	5	240	0.0002	2023-01-27	
Palmetto Plantation, Ph 2	N/A	Residential	9	360	3,240	9	3240	0	0.0000	9	0	0.0000	2023-01-27	
511/513 Turner St Triplex Townhouses	N/A	Residential	3	360	1,080	3	1080	0	0.0000	3	0	0.0000	2023-01-27	
1205 Lennoxville RD	N/A	Residential	4	360	1,440	4	1440	0	0.0000	4	0	0.0000	2023-01-27	
423 West Beaufort Road	2021-05-21	Residential	1	360	360	1	360	0	0.0000	1	0	0.0000	2023-02-14	
Compass Hotel	2022-05-09	Commercial	1	13,600	13,600	1	13600	0	0.0000	0	13,600	0.0136	2023-02-14	
Trestle Walk Subdivision	2022-03-14	Residential	7	240	1,680	0	0	1,680	0.0017	0	1,680	0.0017	2023-02-14	
Gallants Point Subdivision (3-Bdrm ACTUAL)			2	180	360	2	360			1			2023-02-14	
Gallants Point Subdivision (4-Bdrm)	N/A	Residential	16	240	3,840	4	960	2,220	0.0022	1	3,120	0.0031	2023-02-14	
Gallants Point (5-Bdrm ACTUAL)			1	300	300	1	300			1			2021-08-12	
Gallants Pt Clubhouse/Docking (per slip)	N/A	Residential	9	10	90	0	0	90	0.0001	0	90	0.0001	2019-11-27	
AA Storage (2150 Live Oak St)	2022-06	Commercial	1	428	428	0	0	428	0.0004	0	428	0.0004	2023-01-27	
Salt Wynd Preserve, Phase 1	2022-06-27	Residential	40	180	7,200	0	0	7,200	0.0072	0	7,200	0.0072	2023-02-14	
Salt Wynd Preserve, Phase 1	2022-06-27	Residential	7	240	1,680	0	0	1,680	0.0017	0	1,680	0.0017	2023-02-14	
Salt Wynd Preserve, Phase 2	2022-11-14	Residential	29	180	5,220	0	0	5,220	0.0052	0	5,220	0.0052	2023-02-14	
Salt Wynd Preserve, Phase 2	2022-11-14	Residential	7	240	1,680	0	0	1,680	0.0017	0	1,680	0.0017	2023-02-14	
Davis Bay Subdivision	2023-02-13	Residential	4	300	1,200	0	0	1,200	0.0012	0	1,200	0.0012	2023-02-14	
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	1	0	0.0000	2023-01-27	
					TOTAL	490,128		276,878	212,590	0.2126		277,690	0.2777	

Notes:

- MGD means million gallons per day
- GPD means gallons per day
- The Town Beaufort Board of Commissioners adopted a Wastewater Allocation Policy on January 11, 2021. Projects approved prior to this date were deemed to have been allocated wastewater capacity without an expiration date unless otherwise stated in a development agreement.
- The North Carolina Division of Environmental Quality (NCDEQ) approved on August 8, 2022 the Town of Beaufort's request for an adjusted daily sewage flow rate (flow reduction) that would apply to all permitted but not yet tributary connections and all future connections from single-family, detached residential units within the Town of Beaufort service area. NCDEQ also approved on November 28, 2022 the Town's request that would apply to all permitted but not yet tributary multi-family residential units within the Town's service area. Accordingly, the in determining the volume from single-family, detached residential units and multi-family residential units, the flow rate to be used for determining residential design flow will henceforth be 60 gallons per day per bedroom rather than the State standard of 120 gallons per day per bedroom. Additionally the minimum volume of sewage from each residential dwelling unit shall be 120 gallons per day when determining the design flow from a residential unit with each additional bedroom above two bedrooms causing an increase the volume by 60 gallons per day. The unit flows flows listed in blue font denote the use of the values approved by NCDEQ and are generally associated with residential projects that have not started or are not yet complete.

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
Phase 4 Single Family Residential	31	360	11,160	5	1,800	0	0	1,800	0.0018	2023-02-14
	3	480	1,440	3	1,440	0	0	1,440	0.0014	2023-02-14
TOTAL	47		70,278		60,768	12	57,528	3,240	0.0032	

CAPACITY ALLOCATED TO THE FRONT STREET VILLAGE DEVELOPMENT: 124,950 GPD
 USED ALLOCATION FROM COLUMN 6 ABOVE: 60,768 GPD
REMAINING/UNUSED ALLOCATION (TRANSFER TO SHT 1, COLUMN 9): 64,182 GPD
 CAPACITY FOR PERMITTED UNITS NOT YET TRIBUTARY FROM COLUMN 9 ABOVE: 3,240 GPD
UNUSED & USED NOT YET TRIBUTARY (TRANSFER TO SHT 1, COLUMN 11) 67,422 GPD

PERMITTED AND COMPLETED UNITS IN BEAU COAST & BEAU COAST WEST (BEAUFORT EAST VILLAGE) SUBDIVISIONS										
1	2	3	4	5 = 3 X 4	6	7	8 = 4 x 7	9 = 5 - 8		Date of this Update
Development Type	Number of Permitted Units Each	Number of Bedrooms for Permitted Units Each	Regulatory Unit Flow GPD/Bedroom	Used Allocation ² GPD	Number of Completed Units ³ Each	Number of Bedrooms for Completed Units Each	Theoretical Flow being Discharged from Completed Units GPD	Obligated Not Yet Tributary (Used but Not Complete)		
								GPD	MGD	
Beau Coast Phase 1 (Town Lift Sta #22)										
Multi-Family	45	129	120	15,480	40	114	13,680	1,800	0.0018	2022-12-19
Single Family	96	305	120	36,600	96	305	36,600	0	0.0000	2022-12-19
SUBTOTAL	141	434		52,080	136	419	50,280	1,800	0.0018	
Beau Coast Phase 2 (Lift Sta #22 [17 units] and Lift Sta #23 [115 units])										
Multi-Family	27	84	120	10,080	10	30	3,600	6,480	0.0065	2022-12-19
Single Family	65	205	120	24,600	60	190	22,800	1,800	0.0018	2022-12-19
SUBTOTAL	92	289		34,680	70	220	26,400	8,280	0.0083	
Beau Coast Phase 3 (Town Lift Sta #23)										
Multi-Family	0	0	120	0	0	0	0	0	0.0000	2022-12-19
Single Family	0	0	120	0	0	0	0	0	0.0000	2022-12-19
SUBTOTAL	0	0		0	0	0	0	0	0.0000	
Beau Coast Phase 4 (Town Lift Sta #23)										
Multi-Family	0	0	120	0	0	0	0	0	0.0000	2022-12-19
Single Family	0	0	120	0	0	0	0	0	0.0000	2022-12-19
SUBTOTAL	0	0		0	0	0	0	0	0.0000	
Beau Coast Phase 5 (Town Lift Sta #22)										
Multi-Family	37	110	120	13,200	19	56	6,720	6,480	0.0065	2022-12-19
Single Family	49	148	120	17,760	49	148	17,760	0	0.0000	2022-12-19
SUBTOTAL	86	258		30,960	68	204	24,480	6,480	0.0065	
Beau Coast All Phases	319	981		117,720	274	843	101,160	16,560	0	

Table continued on next page

CONTINUATION OF TABLE: PERMITTED AND COMPLETED UNITS IN BEAU COAST & BEAU COAST WEST (BEAUFORT EAST VILLAGE) SUBDIVISIONS										
1	2	3	4	5 = 3 X 4	6	7	8 = 4 x 7	9 = 5 - 8		Date of this Update
Development Type	Number of Permitted Units Each	Number of Bedrooms for Permitted Units Each	Regulatory Unit Flow GPD/Bedroom	Used Allocation ² GPD	Number of Completed Units ³ Each	Number of Bedrooms for Completed Units Each	Theoretical Flow being Discharged from Completed Units GPD	Obligated Not Yet Tributary (Used but Not Complete)		
								GPD	MGD	
Beaufort East Village Phase 1 (Town Lift Sta #26 [115 units] and Not tributary to LS #26 or LS #27 [5]Units)										
Multi-Family	4	12	120	1,440	0	0	0	1,440	0.0014	2022-12-19
Single Family	22	62	120	7,440	0	0	0	7,440	0.0074	2022-12-19
Swimming pools, bathhouse etc.	1		1,500	1,500	0		0	1,500	0.0015	2022-12-19
SUBTOTAL	26	74		10,380	0	0	0	10,380	0.0104	
Beaufort East Village Phase 2 & 3 (Town Lift Station 27)										
Multi-Family	0	0	60	0	0	0	0	0	0.0000	2022-12-19
Single Family	0	0	60	0	0	0	0	0	0.0000	2022-12-19
SUBTOTAL	0	0		0	0	0	0	0	0.0000	
Beau Coast West All Phases	26	74		10,380	0	0	0	10,380	0	
BLUE TREASURE/PRESTON DEVELOPMENT TOTAL	345	1,055		128,100	274	843	101,160	26,940	0.0269	

CAPACITY ALLOCATED TO BLUE TREASURE (PRESTON DEVELOPMENT):	225,050 GPD
USED ALLOCATION FROM COLUMN 5 ABOVE:	128,100 GPD
REMAINING/UNUSED ALLOCATION (TRANSFER TO SHT 1, COLUMN 9):	96,950 GPD
CAPACITY FOR PERMITTED UNITS NOT YET TRIBUTARY FROM COLUMN 6 ABOVE:	26,940 GPD
UNUSED & USED NOT YET TRIBUTARY (TRANSFER TO SHT 1, COLUMN 11)	123,890 GPD

Note:

The North Carolina Division of Environmental Quality (NCDEQ) approved on August 8, 2022 the Town of Beaufort's request for an adjusted daily sewage flow rate (flow reduction) that would apply to all permitted but not yet tributary connections and all future connections from single-family, detached residential units within the Town of Beaufort service area. NCDEQ also approved on November 28, 2022 the Town's request that would apply to all permitted but not yet tributary multi-family residential units within the Town's service area. Accordingly, the in determining the volume from single-family, detached residential units and multi-family residential units, the flow rate to be used for determining residential design flow will henceforth be 60 gallons per day per bedroom rather than the State standard of 120 gallons per day per bedroom. Additionally the minimum volume of sewage from each residential dwelling unit shall be 120 gallons per day when determining the design flow from a residential unit with each additional bedroom above two bedrooms causing an increase the volume by 60 gallons per day.

The allocation for Beaufort East Village Phases 2 and 3 is based upon the unit design flows approved by NCDEQ.