

CITY OF COCOA BEACH

COVID-19 TESTING ON INFLUENT SAMPLES

	SAMPLE DATE & TIME 24HR COMPOSITE	SAMPLE ID	COVID-19 RESULTS		INFLUENT FLOW (MGD)	PORT FLOW (GD)	PATRICK FLOW (GD)	INF CBOD mg/L	RAINFALL TOTAL INCHES	SPECIAL EVENT	173 Copies/Liter = 1 Case (Estimation Only) Not Science Based/Proven**			New Cases in Brevard County (FDH Dashboard)	Comments
			N1 MARKER* (COPIES/LITER)	N2 MARKER* (COPIES/LITER)							N1 MARKER	N2 MARKER	N1 & N2 COMBINED		
			ESTIMATED CASES	ESTIMATED CASES											
Week 1	6/29/2020	062820INF	14,100	3,830	3.09	64,233	734,000		0.00		82	22	104		
	6/30/2020	062920INF	18,100	7,660	3.22	62,354	701,000		0.00		105	44	149		
	7/1/2020	063020INF	21,500	15,100	3.09	64,219	715,000	91.40	0.00		124	87	212		
	7/2/2020	070120INF	12,400	4,590	3.19	72,315	708,000		0.00		72	27	98		
Week 2	7/6/2020	070520INF	29,700	12,900	4.04	79,998	732,000		0.78	4th of July Weekend	172	75	246		
	7/7/2020	070620INF	28,700	14,800	4.18	94,709	813,000		2.11		166	86	251		
	7/8/2020	070720INF	5,350	3,920	4.12	84,905	780,000	61.70	0.78		31	23	54		
	7/9/2020	070820INF	22,600	12,900	3.90	81,383	788,000		0.61		131	75	205		
Week 3	7/13/2020	071220INF	9,380	5,740	3.65	65,736	768,000		0.02		54	33	87		
	7/14/2020	071320INF	3,610	2,840	3.77	69,782	772,000		0.00		21	16	37		
	7/15/2020	071420INF	3,860	1,830	3.64	82,551	764,000	71.30	0.28		22	11	33		
	7/16/2020	071520INF	4,770	3,170	3.51	75,314	760,000		0.00		28	18	46		
Week 4	7/20/2020	071920INF	10,000	6,320	3.43	71,952	751,000		0.41		58	37	94		
	7/21/2020	072020INF	15,200	7,510	3.28	73,491	778,000		0.00		88	43	131		
	7/22/2020	072120INF	3,590	806	3.34	67,333	730,000	84.80	0.08		21	5	25		
	7/23/2020	072220INF	3,360	2,250	3.39	77,263	742,000		0.31		19	13	32		
Week 5	7/27/2020	072620INF	2,570	464	3.22	65,564	705,000		0.00		15	3	18		
	7/27/2020	072620LSS	7,160	2,950	3.22	65,564	705,000		0.00	Lift Station #5	41	17	58		
	7/28/2020	072720INF	3,140	1,370	3.25	77,139	698,000	82.4	0.00		18	8	26		
	7/29/2020	072820INF	1,770	1,070	3.30	72,822	734,000		0.40		10	6	16		
Week 6	8/3/2020	080220INF	1,670	494	3.05	66,428	702,000		0.22		10	3	13		
	8/4/2020	080320INF	2,960	1,030	3.22	68,829	804,000		0.36		17	6	23		
	8/5/2020	080420INF	1,460	-	3.43	69,730	798,000	72.6	0.00		8	0	8		
	8/6/2020	080520INF	1,040	-	3.19	70,630	735,000		0.29		6	0	6		
Week 7	8/10/2020	080920INF	-	-	3.09	69,548	724,000		0.00		0	0	0		
	8/11/2020	081020INF	613	-	3.1	60,068	724,000		0.00		4	0	4		
	8/12/2020	081120INF	1,250	-	3.1	73,035	735,000	84.4	0.00		7	0	7		
	8/13/2020	081220INF	1,600	-	3.05	71,377	744,000		0.08		9	0	9		
Week 8	8/17/2020	081620INF	455	-	3.32	66,639	763,000		0.04		3	0	3		
	8/18/2020	081720INF	281	-	3.55	74,520	811,000		1.07	SpaceX Falcon 9 Launch	2	0	2		
	8/19/2020	081820INF	1,560	582	3.74	71,497	780,000	60.3	0.13		9	3	12		
	8/20/2020	081920INF	699	-	3.55	63,978	776,000		0.77		4	0	4		
Week 9	8/24/2020	082320INF	894	-	3.24	66,888	751,000		0.07	School Started	5	0	5		
	8/25/2020	082420INF	1,770	-	3.24	55,916	787,000		0.00		10	0	10		
	8/26/2020	082520INF	1,230	442	3.17	64,398	786,000	74.6	0.00	ULA Delta IV Launch	7	3	10		
	8/27/2020	082620INF	5,880	1,740	3.23	60,967	773,000		0.03		34	10	44		
	8/27/2020	082620LSS	1,250	860	3.23	60,967	773,000		0.03	Lift Station #5	7	5	12		
	8/31/2020	083020INF	737	549	3.27	64,515	815,000		0.09		4	3	7		
Week 10	9/1/2020	083120INF	1,160	-	3.29	66,869	766,000	68.4	0.00		7	0	7		
	9/1/2020	083120LSS	1,190	-	3.29	66,869	766,000		0.00	Lift Station #5	7	0	7		
	9/18/2020	091720INF	1,790	-	3.47	73,826	821,000		0.00		10	0	10		
	9/19/2020	091820INF	2,400	-	3.57	80,552	752,000		0.04		14	0	14		
	9/20/2020	091920INF	1,460	-	4.17	64,872	832,000		0.13		8	0	8		
	9/21/2020	092020INF	3,770	-	4.29	37,991	907,000		2.94	10 Days after Labor Day	22	0	22		
	9/22/2020	092120INF	3,240	973	4.29	55,434	820,000	47.3	0.02		19	6	24		
	9/23/2020	092220INF	3,400	731	4.24	36,496	852,000		0.00		20	4	24		
	9/24/2020	092320INF	5,600	736	4.21	40,892	857,000		0.04		32	4	37		
Week 1	10/12/2020	101120INF	2,680	-	4.00	57,333	741,000		0.28		15	0	15	90	
	10/13/2020	101220INF	2,110	-	3.96	59,753	704,000	53.5	0.00		12	0	12	80	
	10/14/2020	101320INF	1,730	-	3.79	62,084	811,000		0.00		10	0	10	73	
	10/15/2020	101420INF	3,180	-	3.79	71,211	818,000		0.00		18	0	18	82	
Week 2	10/19/2020	101820INF	3,820	712	3.83	70,909	759,000		0.22		22	4	26	101	
	10/20/2020	101920INF	7,220	1,390	3.84	61,705	764,000	74.7	0.07		42	8	50	69	
	10/21/2020	102020INF	2,220	-	3.97	66,099	774,000		0.22	City Officials requested further sampling be conducted after COCB Emergency Order #4 was rescinded for establishments within the City. Sampling resumed 10/11/2020	13	0	13	144	
	10/22/2020	102120INF	2,460	-	3.95	60,777	769,000		0.05		14	0	14	101	
Week 3	10/26/2020	102520INF	12,700	2,910	4.02	69,779	627,000		0.33		73	17	90	167	
	10/27/2020	102620INF	13,500	4,390	4.01	71,013	682,000	64.1	0.00		78	25	103	73	
	10/28/2020	102720INF	29,300	7,680	3.86	73,106	663,000		0.00		169	44	214	184	
	10/29/2020	102820INF	51,900	30,500	3.83	71,701	669,000		0.00		300	176	476	135	
Week 4	11/2/2020	110120INF	7,370	3,920	3.65	74,776	497,000		0.49		43	23	65	152	
	11/3/2020	110220INF	41,600	14,900	3.51	68,281	471,000		0.00		240	86	327	159	
	11/4/2020	110320INF	11,500	1,450	3.36	76,411	491,000		0.00		66	8	75	120	
	11/5/2020	110420INF	12,200	1,460	3.42	81,468	488,000		0.00		71	8	79	108	
Week 5	11/9/2020	110820INF	5,300	197	3.70	75,949	546,000		0.52		31	1	32	147	
	11/10/2020	110920INF	5,710	513	4.29	68,511	618,000		0.31	Additional Week of Sampling. Sampling will be concluded until further notice	33	3	36	172	
	11/11/2020	111020INF	3,700	471	4.30	74,800	588,000		0.24		21	3	24	74	
	11/12/2020	111120INF	67,200	9,070	4.44	85,625	603,000		0.33		388	52	441	143	
	11/16/2020	111520INF	101,000	18,200	4.02	73,779	569,000		0.00	NASA Man Launch	584	105	689	153	

The Combined N1 & N2 markers are estimated cases and are not scientifically proven. There is no known formula that exists to convert Copies/Liter into actual number of cases within a geographical area. Many variables and data points exist that would affect such formula including but not limited to, wastewater influent flow data, rainfall data, infiltration and inflow data of the collection system, population data, and tourism data to name a few. These variables and data sets are ever changing on a daily basis. The Copies/Liter is how the laboratory reports their data similar to wastewater treatment plant reporting data in milligrams/liter (Mg/L) or parts per million (PPM)

* A dash mark (-) for the N1 & N2 Marker results indicates a non-detectable amount in the sample to be construed as a zero