

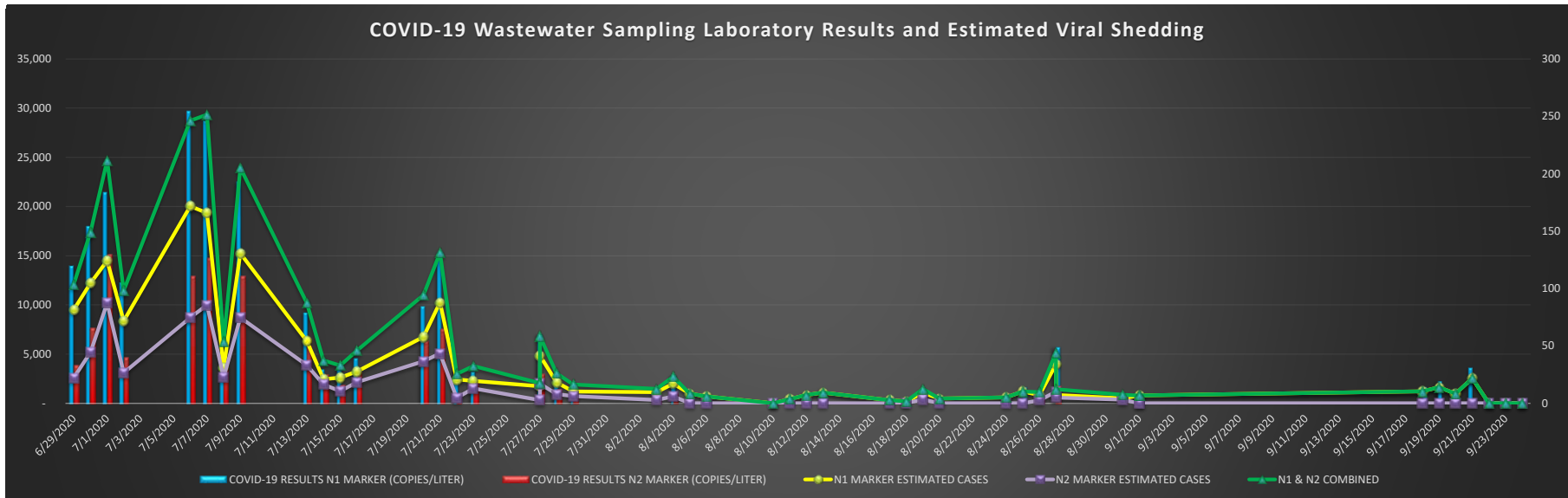
CITY OF COCOA BEACH

COVID-19 TESTING ON INFLUENT SAMPLES

173 Copies/Liter = 1 Case

Estimated cases are the Number of Cases based on C.C. Press Release

	SAMPLE DATE & TIME 24 HR COMPOSITE	SAMPLE ID	COVID-19 RESULTS N1 MARKER (COPIES/LITER)	COVID-19 RESULTS N2 MARKER (COPIES/LITER)	INFLUENT FLOW (MGD)	PORT FLOW (GD)	PATRICK FLOW (GD)	INF CBOD mg/L	RAINFALL TOTAL INCHES	SPECIAL EVENT	N1 MARKER ESTIMATED CASES	N2 MARKER ESTIMATED CASES	N1 & N2 COMBINED
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	072620LS5	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	0	3.43	69,730	798,000	72.6	0.00		8	0	8
	8/6/2020	080520INF	1,040	0	3.19	70,630	735,000		0.29		6	0	6
Week 7	8/10/2020	080920INF	0	0	3.09	69,548	724,000		0.00		0	0	0
	8/11/2020	081020INF	613	0	3.1	60,068	724,000		0.00		4	0	4
	8/12/2020	081120INF	1,250	0	3.1	73,035	735,000	84.4	0.00		7	0	7
	8/13/2020	081220INF	1,600	0	3.05	71,377	744,000		0.08		9	0	9
Week 8	8/17/2020	081620INF	455	0	3.32	66,639	763,000		0.04		3	0	3
	8/18/2020	081720INF	281	0	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	0	3.55	63,978	776,000		0.77		4	0	4
Week 9	8/24/2020	082320INF	894	0	3.24	66,888	751,000		0.07	School Started	5	0	5
	8/25/2020	082420INF	1,770	0	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	082620LS5	1,250	860	3.23	60,967	773,000		0.03	Lift Station #5	7	5	12
Week 10	8/31/2020	083020INF	737	549	3.27	64,515	815,000		0.09		4	3	7
	9/1/2020	083120INF	1,160	0	3.29	66,869	766,000	68.4	0.00		7	0	7
	9/1/2020	083120LS5	1,190	0	3.29	66,869	766,000		0.00	Lift Station #5	7	0	7
	9/18/2020	091720INF	1,790	0	3.47	73,826	821,000		0.00	10 Days after Labor Day	10	0	10
	9/19/2020	091820INF	2,400	0	3.57	80,552	752,000		0.04		14	0	14
	9/20/2020	091920INF	1,460	0	4.17	64,872	832,000		0.13		8	0	8
	9/21/2020	092020INF	3,770	0	4.29	37,991	907,000		2.94		22	0	22
	9/22/2020	092120INF	0	0	4.29	55,434	820,000		0.02		0	0	0
9/23/2020	092220INF	0	0	4.24	36,496	852,000		0.00	0		0	0	
9/24/2020	092320INF	0	0	4.21	40,892	857,000		0.04	0	0	0		



Caption: COVID-19 Waste water Sampling Laboratory Results and Estimated Viral Shedding

Viral shedding occurs when a virus replicates inside your body and is released into the environment. At that point, it may be contagious. For the coronavirus that causes COVID-19, it's not known exactly when this occurs after someone is infected. (According to Webmd)

Estimated Viral Shedding as compared with Rainfall and Plant Influent Flow

