

**Appendix A. Bacteria counts and site conditions by year and station  
supplied by the Nassau County Department of Health**

# Appendix A

## 2016

Leeds Pond - MB-1												
	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
Date	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt								
06/06/16	10100.00	0.00	250.00	0.00			8:10	72	64	W-5	1	0
06/13/16	43.00	659.01	11.00	52.44			8:10	75	67	NW15	1	1.5
06/20/16	21.00	208.93	0.10	6.50			8:10	76	69	N-5	1	0
06/27/16	7.00	89.39	1.00	4.07			8:00	68	71	S-5	1	0
07/11/16	0.10	5.01	0.10	0.58			8:00	76	71	0	3	0
07/18/16	41.00	4.95	18.00	0.65			9:19	84	75	SW-9	1	0
07/25/16	21.00	4.95	76.00	3.42			8:55	81	75	S-9	1	0
08/01/16	16.00	6.09	360.00	14.90			8:48	70	76	NE-9	3	0.5
08/08/16	10.00	6.73	33.00	17.47			8:00	80	72	W-5	1	0
08/15/16	51.00	23.41	38.00	57.30			8:00	86	81	0	1	0
08/22/16	230.00	33.05	16.00	55.96			8:00	76	81	N-12	1	1.5
08/29/16	18.00	32.04	3.00	29.32			8:00	82	81	0	1	0

Appendix A

2016

Kennelworth - MB-2													
	<i>Fecal Coliform</i>		<i>Enterococci</i>		<i>Comments</i>	<i>Rain</i>	<i>Time</i>	<i>Air</i>	<i>Water</i>	<i>Wind</i>	<i>Weather</i>	<i>Wave Ht</i>	
<i>Date</i>	<i>CFU/100ml.</i>	<i>Log AvgFC</i>	<i>CFU/100ml.</i>	<i>Log AvgEnt</i>									
06/06/16	2300.00	0.00	48.00	0.00			8:20	72	64	W-5	1	0	
06/13/16	12.00	166.13	0.10	2.19			8:20	75	67	NW15	1	1.5	
06/20/16	17.00	77.71	1.00	1.69			8:20	76	69	N-5	1	0	
06/27/16	9.00	45.33	2.00	1.76			8:10	68	71	S-5	1	0	
07/11/16	11.00	11.92	3.00	0.88			8:10	76	71	0	3	0	
07/18/16	48.00	16.86	4.00	2.21			9:14	84	75	SW-9	1	0.5	
07/25/16	23.00	18.18	8.00	3.72			8:50	81	75	S-9	1	0	
08/01/16	400.00	46.95	210.00	11.92			8:43	70	76	NE-9	3	0.5	
08/08/16	8.00	32.95	1.00	7.26			8:10	80	72	W-5	1	0	
08/15/16	43.00	43.28	11.00	9.41			8:10	86	81	0	1	0	
08/22/16	38.00	41.31	90.00	17.55			8:10	76	81	N-12	1	1.5	
08/29/16	8.00	33.44	0.10	7.30			8:10	82	81	0	1	0	

# Appendix A

## 2016

Manorhaven - MB-3													
	<i>Fecal Coliform</i>		<i>Enterococci</i>		<i>Comments</i>	<i>Rain</i>	<i>Time</i>	<i>Air</i>	<i>Water</i>	<i>Wind</i>	<i>Weather</i>	<i>Wave Ht</i>	
<i>Date</i>	<i>CFU/100ml.</i>	<i>Log AvgFC</i>	<i>CFU/100ml</i>	<i>Log AvgEnt</i>									
06/06/16	1800.00	0.00	120.00	0.00			8:30	72	64	W-5		1	0
06/13/16	10.00	134.16	2.00	15.49			8:30	75	67	NW15		1	1.5
06/20/16	3.00	37.80	0.10	2.88			8:30	76	69	N-5		1	0
06/27/16	17.00	30.95	0.10	1.24			8:20	68	71	S-5		1	0
07/11/16	13.00	9.02	0.10	0.21			8:20	76	71	0		3	0
07/18/16	11.00	9.24	1.00	0.18			9:02	84	75	SW-9		1	0
07/25/16	16.00	14.04	9.00	0.55			8:38	81	75	S-9		1	0
08/01/16	9.00	11.98	3.00	1.28			8:36	70	76	NE-9		3	0.5
08/08/16	13.00	12.18	0.10	0.77			8:20	80	72	W-5		1	0
08/15/16	12.00	11.98	0.10	0.77			8:20	86	81	0		1	0
08/22/16	22.00	13.77	0.10	0.49			8:20	76	81	N-12		1	1.5
08/29/16	3.00	9.85	0.10	0.20			8:20	82	81	0		1	0

# Appendix A

## 2016

NUN 4 - MB-4													
	<i>Fecal Coliform</i>		<i>Enterococci</i>		<i>Comments</i>	<i>Rain</i>	<i>Time</i>	<i>Air</i>	<i>Water</i>	<i>Wind</i>	<i>Weather</i>	<i>Wave Ht</i>	
<b>Date</b>	<b>CFU/100ml.</b>	<b>Log AvgFC</b>	<b>CFU/100m</b>	<b>Log AvgEnt</b>									
06/06/16	4200.00	0.00	91.00	0.00			8:50	72	64	W-5	1	0	
06/13/16	7.00	171.46	0.10	3.02			8:40	75	67	NW15	1	1.5	
06/20/16	11.00	68.64	0.10	0.97			8:40	76	69	N-5	1	0	
06/27/16	9.00	41.30	3.00	1.29			8:30	68	71	S-5	1	0	
07/11/16	7.00	8.35	2.00	0.49			8:30	76	71	0	3	0	
07/18/16	27.00	11.70	1.00	0.88			9:09	84	75	SW-9	1	0	
07/25/16	5.00	9.60	1.00	1.57			8:46	81	75	S-9	1	0	
08/01/16	7.00	9.02	2.00	1.41			8:41	70	76	NE-9	3	0.5	
08/08/16	6.00	8.31	0.10	0.83			8:30	80	72	W-5	1	0	
08/15/16	7.00	8.31	0.10	0.46			8:30	86	81	0	1	0	
08/22/16	36.00	8.80	4.00	0.60			8:30	76	81	N-12	1	1.5	
08/29/16	0.10	4.03	0.10	0.38			8:30	82	81	0	1	0	

# Appendix A

2016

Baxter Beach - MB-5													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt									
06/06/16	4200.00	0.00	91.00	0.00			8:50	72	64	W-5	1	0	
06/13/16	29.00	<b>349.00</b>	3.00	16.52			8:50	75	67	NW15	1	1.5	
06/20/16	35.00	162.15	0.10	3.01			0:00	76	69	N-5	1	0	
06/27/16	23.00	99.51	2.00	2.72			8:40	68	71	S-5	1	0	
07/11/16	10.00	21.98	4.00	1.24			8:40	76	71	0	3	0	
07/18/16	155.00	33.42	2.00	1.12			9:27	84	75	SW-9	1	0	
07/25/16	29.00	31.89	3.00	2.63			9:11	81	75	S-9	1	0	
08/01/16	191.00	54.13	25.00	4.95			8:28	70	76	NE-9	3	0.5	
08/08/16	35.00	49.61	1.00	3.59			8:40	80	72	W-5	1	0	
08/15/16	29.00	61.38	5.00	3.76			8:40	86	81	0	1	0	
08/22/16	49.00	48.75	1.00	3.27			8:40	76	81	N-12	1	1.5	
08/29/16	52.00	54.79	0.10	1.66			8:40	82	81	0	1	0	

# Appendix A

## 2016

Manorhaven Beach - MB-6												
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt								
06/06/16	<b>5300.00</b>	0.00	130.00	0.00			9:00	72	64	W-5	1	0
06/13/16	16.00	<b>291.20</b>	1.00	11.40			9:00	75	67	NW15	1	0
06/20/16	11.00	97.71	0.10	2.35			8:50	76	69	N-5	1	0
06/27/16	7.00	50.55	2.00	2.26			8:50	68	71	S-5	1	0
07/11/16	19.00	12.37	0.10	0.38			8:50	76	71	0	3	0
07/18/16	35.00	15.04	1.00	0.38			9:05	84	75	SW-9	1	0
07/25/16	41.00	20.90	21.00	1.43			8:42	81	75	S-9	1	0
08/01/16	11.00	23.40	36.00	2.95			8:39	70	76	NE-9	3	0.5
08/08/16	9.00	19.33	1.00	2.38			8:50	80	72	W-5	1	0
08/15/16	8.00	16.26	1.00	3.76			8:50	86	81	0	1	0
08/22/16	41.00	16.78	7.00	5.56			8:50	76	81	N-12	1	1.5
08/29/16	12.00	13.13	1.00	3.02			8:50	82	81	0	1	0

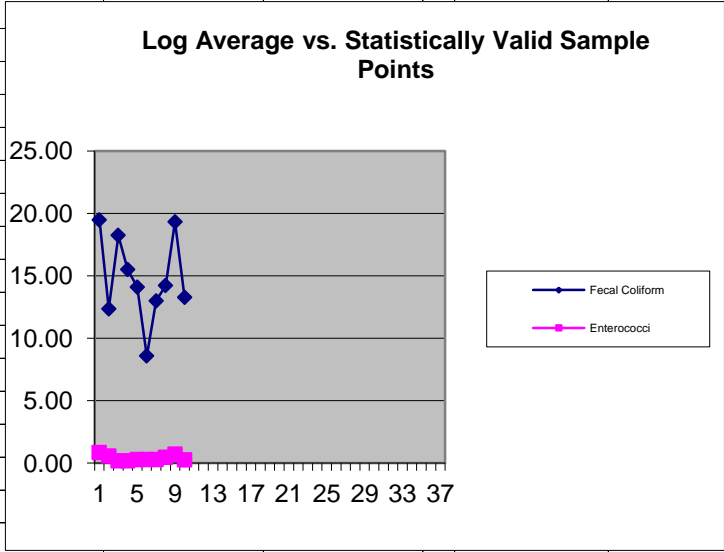




# Appendix A

2017

Kennelworth - MB-2												
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt								
06/05/17	1.00	0.00	26.00	0.00			11:10	68	64	N-10	3	0
06/12/17	18.00	4.24	0.10	1.61			8:40	78	64	S-10	1	0
06/19/17	74.00	11.00	2.00	1.73			9:00	75	68	S-8	1	0
06/26/17	108.00	19.48	0.10	0.85			9:10	78	70	0	1	0
07/03/17	2.00	12.35	0.10	0.55			8:55	80	73	N-0	1	0
07/10/17	7.00	18.23	0.10	0.18			9:46	73	68	0	1	0
07/17/17	8.00	15.50	0.10	0.18			9:37	76	72	N-3	1	0
07/24/17	46.00	14.10	18.00	0.28			9:40	64	22	N-15	4	1.5
07/31/17	9.00	8.58	0.10	0.28			10:18	23	22.2	N-5	1	0
08/07/17	16.00	13.00	0.10	0.28			9:05	21	22.74	0	4	0
08/14/17	11.00	14.23	1.00	0.45			10:15	26	23	N-6	2	0
08/21/17	37.00	19.33	1.00	0.71			9:40	21	23	N-6	1	0
08/28/17	7.00	13.26	0.10	0.25			10:12	18	22.98	NE-6	1	0



Excessive Counts	
Fecal Coliform	
CFU>1000	0
Log Avg> 200	0
Enterococci	
Log Avg> 35	0
CFU	0

# Appendix A

2017

Manorhaven - MB-3													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml	Log AvgEnt									
06/05/17	2.00	0.00	21.00	0.00			11:20	68	64	N-10	3	0	
06/12/17	1.00	1.41	1.00	4.58			8:50	78	64	S-10	1	0	
06/19/17	54.00	4.76	0.10	1.28			9:15	75	68	S-8	1	0	
06/26/17	23.00	7.06	0.10	0.68			9:20	78	70	0	1	0	
07/03/17	23.00	8.94	0.10	0.46			9:33	80	74	N-0	1	0	
07/10/17	11.00	12.57	1.00	0.25			9:55	73	70	0	1	0	
07/17/17	7.00	18.56	0.10	0.16			9:49	76	74	N-3	1	0	
07/24/17	41.00	17.56	3.00	0.31			9:23	64	22	N-15	4	1.5	
07/31/17	3.00	11.68	0.10	0.31			10:31	23	22.7	N-5	1	0	
08/07/17	4.00	8.24	0.10	0.31			9:16	21	22.66	0	4	0	
08/14/17	102.00	12.86	1.00	0.31			10:30	26	23	N-6	2	0	
08/21/17	14.00	14.77	2.00	0.57			9:25	21	24	N-6	1	0	
08/28/17	12.00	11.55	1.00	0.46			9:58	18	22.88	NE-6	1	0	

**Log Average vs. Statistically Valid Sample Points**

Sample Point	Fecal Coliform (Log Avg)	Enterococci (Log Avg)
1	12.57	0.00
4	18.56	0.00
7	8.94	0.00
10	12.57	0.00
13	11.68	0.00
16	17.56	0.00
19	12.57	0.00
22	18.56	0.00
25	12.57	0.00
28	11.68	0.00
31	12.57	0.00
34	11.68	0.00

Excessive Counts		
Fecal Coliform		
MPN>1000	0	
CFU>1000	0	
Enterococci		
Log Avg> 35	0	
MPN>104	0	
CFU		

# Appendix A

2017

NUN 4 - MB-4																																																																
	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht																																																				
Date	CFU/100ml.	Log AvgFC	CFU/100m	Log AvgEnt																																																												
06/05/17	0.10	0.00	8.00	0.00			11:30	68	64	N-10	3	0																																																				
06/12/17	0.10	0.10	0.10	0.89			9:00	78	64	S-10	1	0																																																				
06/19/17	0.10	0.10	0.10	0.43			9:10	75	68	S-8	1	0																																																				
06/26/17	20.00	0.38	0.10	0.30			9:30	78	70	0	1	0																																																				
07/03/17	10.00	0.72	0.10	0.24			9:50	80	74.8	N-0	1	0																																																				
07/10/17	16.00	2.00	0.10	0.10			9:50	73	69	0	1	0																																																				
07/17/17	12.00	5.21	0.10	0.10			9:44	76	73	N-3	1	0																																																				
07/24/17	43.00	17.52	4.00	0.21			9:35	64	22	N-15	4	1.5																																																				
07/31/17	3.00	11.99	0.10	0.21			10:24	23	22.9	N-5	1	0																																																				
08/07/17	15.00	13.00	2.00	0.38			9:12	21	22.66	0	4	0																																																				
08/14/17	16.00	13.00	0.10	0.38			10:22	26	23	N-6	2	0																																																				
08/21/17	11.00	12.78	0.10	0.38			9:30	21	24	N-6	1	0																																																				
08/28/17	9.00	9.35	0.10	0.18			10:04	18	23.08	NE-6	1	0																																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Log Average vs. Statistically Valid Sample Points</b></p> <table border="1"> <caption>Graph Data Points</caption> <thead> <tr> <th>Sample</th> <th>Fecal Coliform (Log Avg)</th> <th>Enterococci (Log Avg)</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.10</td><td>0.00</td></tr> <tr><td>5</td><td>17.52</td><td>0.00</td></tr> <tr><td>9</td><td>13.00</td><td>0.00</td></tr> <tr><td>13</td><td>11.99</td><td>0.00</td></tr> <tr><td>17</td><td>17.52</td><td>0.00</td></tr> <tr><td>21</td><td>12.78</td><td>0.00</td></tr> <tr><td>25</td><td>9.35</td><td>0.00</td></tr> <tr><td>29</td><td>9.35</td><td>0.00</td></tr> <tr><td>33</td><td>9.35</td><td>0.00</td></tr> </tbody> </table> </div> <div style="width: 50%;"> <table border="1"> <thead> <tr> <th colspan="2">Excessive Counts</th> <th></th> </tr> </thead> <tbody> <tr> <td colspan="2">Fecal Coliform</td> <td></td> </tr> <tr> <td>CFU&gt;1000</td> <td>0</td> <td></td> </tr> <tr> <td>Log Avg&gt; 200</td> <td>0</td> <td></td> </tr> <tr> <td colspan="2">Enterococci</td> <td></td> </tr> <tr> <td>Log Avg&gt; 35</td> <td>0</td> <td></td> </tr> <tr> <td>CFU</td> <td>0</td> <td></td> </tr> </tbody> </table> </div> </div>														Sample	Fecal Coliform (Log Avg)	Enterococci (Log Avg)	1	0.10	0.00	5	17.52	0.00	9	13.00	0.00	13	11.99	0.00	17	17.52	0.00	21	12.78	0.00	25	9.35	0.00	29	9.35	0.00	33	9.35	0.00	Excessive Counts			Fecal Coliform			CFU>1000	0		Log Avg> 200	0		Enterococci			Log Avg> 35	0		CFU	0	
Sample	Fecal Coliform (Log Avg)	Enterococci (Log Avg)																																																														
1	0.10	0.00																																																														
5	17.52	0.00																																																														
9	13.00	0.00																																																														
13	11.99	0.00																																																														
17	17.52	0.00																																																														
21	12.78	0.00																																																														
25	9.35	0.00																																																														
29	9.35	0.00																																																														
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CFU>1000	0																																																															
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CFU	0																																																															

Appendix A

2017

Baxter Beach - MB-5																								
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht												
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt																				
06/05/17	0.10	0.00	27.00	0.00			11:40	68	64	N-10	3	0												
06/12/17	0.10	0.10	0.10	1.64			9:10	78	64	S-10	1	0												
06/19/17	94.00	0.98	8.00	2.78			8:30	75	68	S-8	1	0												
06/26/17	49.00	2.61	2.00	2.56			9:40	78	70	0	1	0												
07/03/17	48.00	4.67	0.10	1.34			9:30	80	74.5	N-0	1	0												
07/10/17	52.00	16.30	0.10	0.44			9:00	73	71	0	1	0												
07/17/17	46.00	55.55	0.10	0.44			8:59	76	74	N-3	1	0												
07/24/17	290.00	69.59	109.00	0.74			9:13	64	23	N-15	4	1.5												
07/31/17	9.00	49.58	0.10	0.41			9:20	23	22.65	N-5	1	0												
08/07/17	136.00	61.06	48.00	1.39			8:19	21	23.19	0	4	0												
08/14/17	24.00	52.32	5.00	3.04			9:19	26	23	N-6	2	0												
08/21/17	44.00	51.85	7.00	7.12			9:00	21	24	N-6	1	0												
08/28/17	10.00	26.44	2.00	3.20			9:37	18	23.21	NE-6	1	0												
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>Log Average vs. Statistically Valid Sample Points</b></p> </div> <div style="width: 30%;"> <p><b>Excessive Counts</b></p> <table border="1"> <tr> <th colspan="2">Fecal Coliform</th> </tr> <tr> <td>CFU&gt;1000</td> <td>0</td> </tr> <tr> <td>Log Avg&gt; 200</td> <td>0</td> </tr> <tr> <th colspan="2">Enterococci</th> </tr> <tr> <td>Log Avg&gt; 35</td> <td>0</td> </tr> <tr> <td>CFU</td> <td>1</td> </tr> </table> </div> </div>													Fecal Coliform		CFU>1000	0	Log Avg> 200	0	Enterococci		Log Avg> 35	0	CFU	1
Fecal Coliform																								
CFU>1000	0																							
Log Avg> 200	0																							
Enterococci																								
Log Avg> 35	0																							
CFU	1																							

# Appendix A

2017

Manorhaven Beach - MB-6														
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	Excessive Counts	
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt									Fecal Coliform	Enterococci
06/05/17	0.10	0.00	11.00	0.00			11:50	68	64	N-10	3	0		
06/12/17	27.00	1.64	0.10	1.05			9:20	78	64	S-10	1	0		
06/19/17	48.00	5.06	4.00	1.64			9:20	75	68	S-8	1	0		
06/26/17	38.00	8.38	1.00	1.45			9:50	78	70	0	1	0		
07/03/17	17.00	9.65	1.00	1.34			9:39	80	74	N-0	1	0		
07/10/17	3.00	19.05	0.10	0.53			10:00	73	71	0	1	0		
07/17/17	21.00	18.12	0.10	0.53			9:55	76	74	N-3	1	0		
07/24/17	700.00	30.97	310.00	1.25			9:50	64	23	N-15	4	1.5		
07/31/17	118.00	38.85	9.00	1.95			10:40	23	29.2	N-5	1	0		
08/07/17	11.00	35.61	5.00	2.68			9:21	21	22.61	0	4	0		
08/14/17	26.00	54.84	8.00	6.45			10:38	26	23	N-6	2	0		
08/21/17	16.00	51.94	0.10	6.45			9:15	21	24	N-6	1	0		
08/28/17	19.00	25.25	0.10	1.29			9:53	18	22.48	NE-6	1	0		

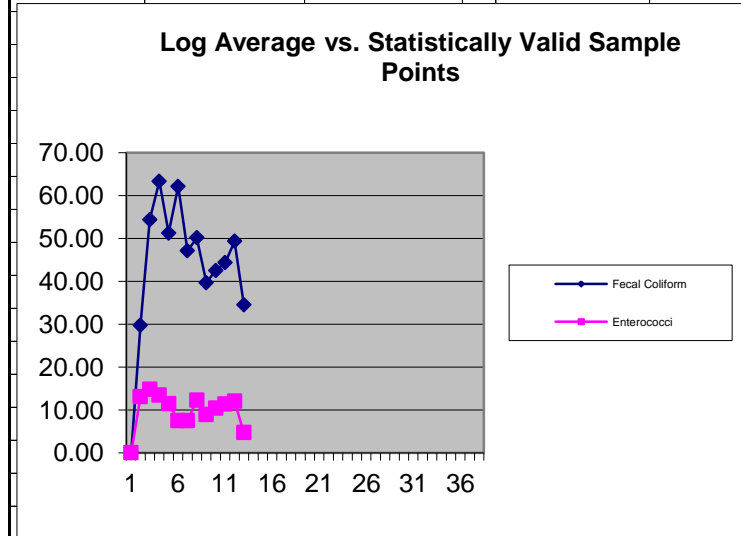
  

Log Average vs. Statistically Valid Sample Points															
	<table border="1"> <thead> <tr> <th colspan="2">Excessive Counts</th> </tr> </thead> <tbody> <tr> <td colspan="2">Fecal Coliform</td> </tr> <tr> <td>CFU&gt;1000</td> <td>0</td> </tr> <tr> <td>Log Avg&gt; 200</td> <td>0</td> </tr> <tr> <td colspan="2">Enterococci</td> </tr> <tr> <td>Log Avg&gt; 35</td> <td>0</td> </tr> <tr> <td>CFU</td> <td>1</td> </tr> </tbody> </table>	Excessive Counts		Fecal Coliform		CFU>1000	0	Log Avg> 200	0	Enterococci		Log Avg> 35	0	CFU	1
Excessive Counts															
Fecal Coliform															
CFU>1000	0														
Log Avg> 200	0														
Enterococci															
Log Avg> 35	0														
CFU	1														

# Appendix A

2017

GREAT NECK - MB-7												
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt								
06/05/17	13.00	0.00	57.00	0.00			12:00	68	64	N-10	3	0
06/12/17	68.00	29.73	3.00	13.08			9:30	78	64	S-10	1	0
06/19/17	182.00	54.39	19.00	14.81			8:50	75	68	S-8	1	0
06/26/17	100.00	63.33	10.00	13.43			10:00	78	70	0	1	0
07/03/17	22.00	51.26	6.00	11.43			10:03	80	72.7	N-0	1	0
07/10/17	34.00	62.13	7.00	7.51			9:36	73	69	0	1	0
07/17/17	17.00	47.09	3.00	7.51			9:29	76	74	N-3	1	0
07/24/17	250.00	50.17	220.00	12.26			9:50	64	22	N-15	4	1.5
07/31/17	31.00	39.69	2.00	8.89			10:03	23	28.15	N-5	1	0
08/07/17	31.00	42.51	13.00	10.37			8:47	21	23.43	0	4	0
08/14/17	42.00	44.35	11.00	11.35			9:54	26	24	N-6	2	0
08/21/17	29.00	49.35	4.00	12.03			9:48	21	24	N-6	1	0
08/28/17	42.00	34.54	2.00	4.70			10:31	8	23.93	NE-6	1	0

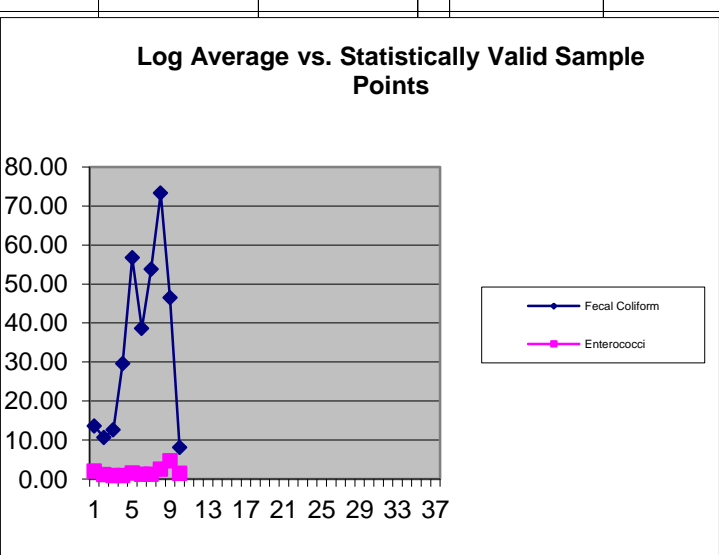


Excessive Counts			
Fecal Coliform			
CFU>1000		0	
Log Avg> 200		0	
Enterococci			
Log Avg> 35		0	
CFU		1	



Kennelworth - MB-2												
	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
Date	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt								
06/04/18	7.00	0.00	3.00	0.00			9:15	54	61	N-10	4	0
06/11/18	5.00	5.92	1.00	1.73			9:20	60	69	0	3	0
06/18/18	24.00	9.44	2.00	1.82			9:10	73	64	S-5	1	0
06/25/18	41.00	13.62	3.00	2.06			9:25	67	70	N-5	1	0
07/02/18	4.00	10.66	0.10	1.12			9:00	75	70	N-0	1	0
07/09/18	16.00	12.58	1.00	0.90			9:05	71	70.7	E-5	1	0
07/16/18	360.00	29.59	1.00	0.90			9:10	74	73	0	1	0
07/23/18	620.00	56.69	30.00	1.55			9:02	76	73	S-15	3	0.1
07/30/18	6.00	38.60	1.00	1.25			8:45	73	75.6	0	1	0
08/06/18	21.00	53.78	0.10	1.25			8:50	76	77.9	0	1	0
08/13/18	75.00	73.25	33.00	2.51			9:16	73	74.2	N-10	4	0
08/20/18	37.00	46.47	22.00	4.65			7:40	66	74.9	N-5	2	0
08/27/18	0.10	8.10	0.10	1.49			8:45	76	75.8	0	1	0

Log Average vs. Statistically Valid Sample Points	
	
Legend:	Fecal Coliform (blue diamonds), Enterococci (pink squares)

Excessive Counts	
Fecal Coliform	
CFU > 1000	0
Log Avg > 200	0
Enterococci	
Log Avg > 35	0
CFU	0

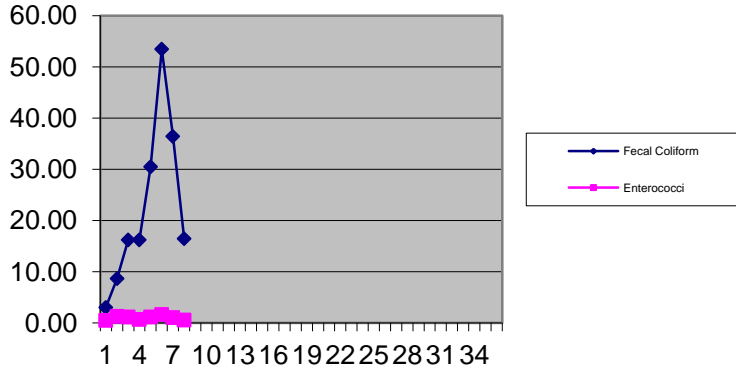


# Appendix A

2018

Manorhaven - MB-3													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml	Log AvgEnt									
06/04/18	28.00	0.00	26.00	0.00			9:45	54	63	N-10	4	0	
06/11/18	1.00	5.29	0.10	1.61			8:15	60	70	0	3	0	
06/18/18	16.00	7.65	4.00	2.18			8:20	73	65	S-5	1	0	
06/25/18	2.00	5.47	1.00	1.80			8:15	67	71	N-5	1	0	
07/02/18	2.00	4.47	0.10	1.01			8:20	75	71	N-0	1	0	
07/09/18	4.00	3.03	1.00	0.53			8:30	71	70.8	E-5	1	0	
07/16/18	190.00	8.66	10.00	1.32			8:40	74	73.1	0	1	0	
07/23/18	370.00	16.23	2.00	1.15			8:46	76	73	S-15	3	0.1	
07/30/18	2.00	16.23	0.10	0.72			8:25	73	75.7	0	1	0	
08/06/18	47.00	30.51	1.00	1.15			8:20	76	78.2	0	1	0	
08/13/18	66.00	53.45	6.00	1.64			9:00	73	74.1	N-10	4	0	
08/20/18	28.00	36.44	1.00	1.04			7:15	66	74.9	N-5	2	0	
08/27/18	7.00	16.48	0.10	0.57			8:30	76	76	0	1	0	

**Log Average vs. Statistically Valid Sample Points**



Excessive Counts	
Fecal Coliform	
MPN>1000	0
CFU>1000	0
Enterococci	
Log Avg> 35	0
MPN>104	0
CFU	

# Appendix A

2018

NUN 4 - MB-4													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100m	Log AvgEnt									
06/04/18	130.00	0.00	54.00	0.00			10:00	54	61	N-10	4	0	
06/11/18	14.00	42.66	0.10	2.32			8:30	60	69	0	3	0	
06/18/18	8.00	24.42	5.00	3.00			8:35	73	64	S-5	1	0	
06/25/18	2.00	13.06	0.10	1.28			8:03	67	70	N5	1	0	
07/02/18	3.00	9.73	0.10	0.77			8:40	75	70	N-0	1	0	
07/09/18	8.00	5.57	0.10	0.22			8:50	71	70.6	E-5	1	0	
07/16/18	410.00	10.95	8.00	0.53			9:00	74	73.2	0	1	0	
07/23/18	410.00	24.06	4.00	0.50			8:57	76	73	S-15	3	0.1	
07/30/18	7.00	30.92	1.00	0.80			8:20	73	75.6	0	1	0	
08/06/18	34.00	50.24	1.00	1.26			8:40	76	78.3	0	1	0	
08/13/18	68.00	77.08	10.00	3.17			9:11	73	73.8	N-10	4	0	
08/20/18	14.00	39.23	1.00	2.09			7:30	66	74.9	N-5	2	0	
08/27/18	0.10	7.43	0.10	1.00			8:25	76	75.8	0	1	0	

Log Average vs. Statistically Valid Sample Points		

Excessive Counts		
Fecal Coliform		
CFU>1000	0	
Log Avg> 200	0	
Enterococci		
Log Avg> 35	0	
CFU	0	

# Appendix A

2018

Baxter Beach - MB-5													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt									
06/04/18	72.00	0.00	150.00	0.00			10:15	54	63	N-10	4	0	
06/11/18	49.00	59.40	24.00	<b>60.00</b>			8:00	60	70	0	3	0	
06/18/18	244.00	95.13	4.00	24.33			8:00	73	65	S-5	1	0	
06/25/18	53.00	82.19	6.00	17.14			0:00	67	72	N-5	1	0	
07/02/18	270.00	104.26	10.00	15.39			8:10	75	71	N-0	1	0	
07/09/18	49.00	96.53	0.10	3.57			8:15	71	72	E-5	1	0	
07/16/18	601.00	159.37	71.00	4.43			8:30	74	72.8	0	1	0	
07/23/18	570.00	188.85	320.00	10.64			8:33	76	73	S-15	3	0.1	
07/30/18	11.00	137.89	4.00	9.81			8:10	73	75.9	0	1	0	
08/06/18	170.00	125.71	6.00	8.86			8:40	76	77.8	0	1	0	
08/13/18	52.00	127.21	13.00	23.45			8:50	73	74.1	N-10	4	0	
08/20/18	88.00	86.62	21.00	18.38			7:10	66	74.6	N-5	2	0	
08/28/18	118.00	63.22	1.00	5.80			8:10	76	76.1	0	1	0	
**Sampling date is 8/27													

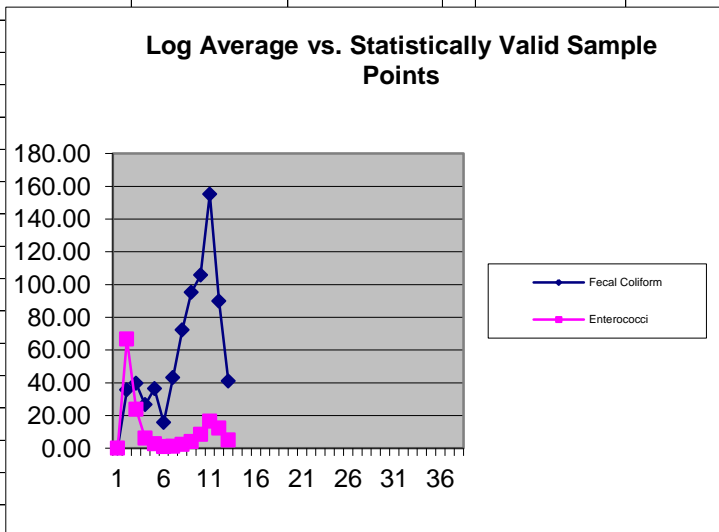
  

Excessive Counts		
Fecal Coliform		
CFU>1000		0
Log Avg> 200		0
Enterococci		
Log Avg> 35		1
CFU		2

# Appendix A

2018

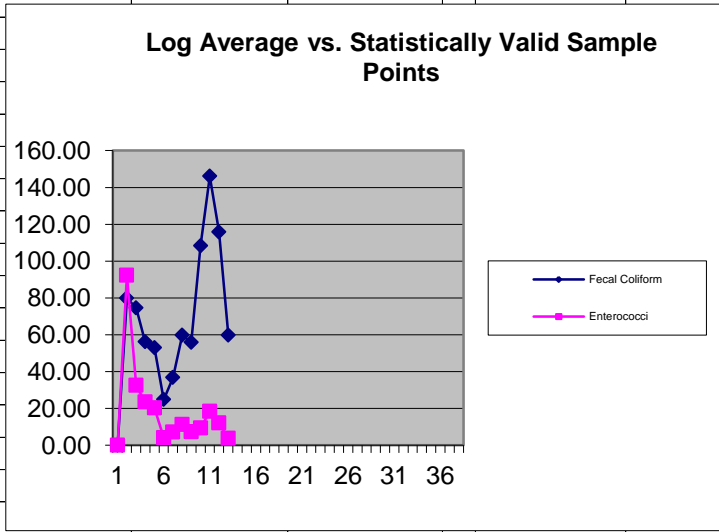
Manorhaven Beach - MB-6													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt									
06/04/18	420.00	0.00	370.00	0.00			10:45	54	63	N-10	4	0	
06/11/18	3.00	35.50	12.00	<b>66.63</b>			8:20	60	70	0	3	0	
06/18/18	49.00	39.52	3.00	23.70			8:15	73	65	S-5	1	0	
06/25/18	8.00	26.51	0.10	6.04			8:20	67	72	N-5	1	0	
07/02/18	130.00	36.44	0.10	2.66			8:30	75	72	N-0	1	0	
07/09/18	6.00	15.58	1.00	0.82			8:40	71	71.3	E-5	1	0	
07/16/18	480.00	42.99	58.00	1.12			8:45	74	73.4	0	1	0	
07/23/18	650.00	72.09	90.00	2.21			8:53	76	73	S-15	3	0.1	
07/30/18	32.00	95.12	2.00	4.02			8:30	73	75.7	0	1	0	
08/06/18	220.00	105.68	4.00	8.40			8:30	76	78.3	0	1	0	
08/13/18	41.00	155.20	28.00	16.35			9:05	73	73.9	N-10	4	0	
08/20/18	31.00	89.73	13.00	12.13			7:20	66	74.7	N-5	2	0	
08/27/18	13.00	41.03	1.00	4.93			8:20	76	76.2	0	1	0	
<b>Excessive Counts</b>													
Fecal Coliform													
CFU>1000													
0													
Log Avg> 200													
0													
Enterococci													
Log Avg> 35													
1													
CFU													
1													



# Appendix A

2018

GREAT NECK - MB-7															
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	Excessive Counts		
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt									Fecal Coliform	Enterococci	
06/04/18	490.00	0.00	<b>2840.00</b>	0.00			11:00	54	61	N-10	4	0			
06/11/18	13.00	79.81	3.00	<b>92.30</b>			8:50	60	70	0	3	0			
06/18/18	65.00	74.53	4.00	32.42			9:45	73	65	S-5	1	0			
06/25/18	24.00	56.15	9.00	23.53			9:06	67	72	N-5	1	0			
07/02/18	42.00	52.98	11.00	20.21			9:30	75	72	N-0	1	0			
07/09/18	11.00	24.79	1.00	4.12			9:30	71	71.4	E-5	1	0			
07/16/18	93.00	36.75	48.00	7.17			9:45	74	72.5	0	1	0			
07/23/18	740.00	59.77	37.00	11.19			9:09	76	73	S-15	3	0.1			
07/30/18	17.00	55.79	1.00	7.21			9:10	73	75.8	0	1	0			
08/06/18	<b>1160.00</b>	108.34	41.00	9.39			9:10	76	77.3	0	1	0			
08/13/18	49.00	146.07	28.00	18.28			9:27	73	75.3	N-10	4	0			
08/20/18	29.00	115.70	6.00	12.06			8:00	66	75	N-5	2	0			
08/27/18	27.00	59.67	0.10	3.70			9:10	76	75.7	0	1	0			
<b>Excessive Counts</b>															
Fecal Coliform															
CFU>1000															1
Log Avg> 200															0
Enterococci															
Log Avg> 35															1
CFU															1





Kennelworth - MB-2												
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt								
06/03/19	42.00	0.00	29.00	0.00			8:45	61	61	N-00	1	0
06/10/19	5.00	14.49	0.10	1.70			9:39	64	63.3	NE-6		0
06/17/19	47.00	21.45	6.00	2.59			9:35	70	66.4	E-1	3	0
06/24/19	0.10	5.61	4.00	2.89			8:45	61	65	0	1	0
07/01/19	162.00	10.98	21.00	4.30			9:30	75	71	0	1	0
07/08/19	12.00	8.55	3.00	2.73			9:40	68	68	0	3	0
07/15/19	81.00	14.92	10.00	6.85			9:20	67	69	N-05	1	0
07/22/19	9.00	10.72	3.00	5.97			9:36	76	70	N-1	2	0
07/29/19	38.00	35.18	23.00	8.47			9:30	74	71	0	1	0
08/05/19	5.00	17.54	9.00	7.15			9:25	69	70	N-5	1	0
08/12/19	12.00	17.54	1.00	5.74			9:30	68	74	N-3	1	0
08/19/19	3.00	9.08	1.00	3.62			9:31	77	76	0	1	0
08/26/19	39.00	12.17	16.00	5.06			9:12	62	73	N-10	1	0

Excessive Counts	
Fecal Coliform	
CFU>1000	0
Log Avg> 200	0
Enterococci	
Log Avg> 35	0
CFU	0

**Log Average vs. Statistically Valid Sample Points**

Sample Point	Fecal Coliform (Log Avg)	Enterococci (Log Avg)
1	5.00	2.50
2	12.00	4.00
3	10.00	5.00
4	15.00	6.00
5	35.18	7.00
6	18.00	8.00
7	12.00	6.00
8	10.00	5.00
9	10.00	5.00
10	8.00	4.00
11	10.00	5.00
12	12.00	6.00
13	10.00	5.00
14	12.00	6.00
15	10.00	5.00
16	12.00	6.00
17	10.00	5.00
18	12.00	6.00
19	10.00	5.00
20	12.00	6.00
21	10.00	5.00
22	12.00	6.00
23	10.00	5.00
24	12.00	6.00
25	10.00	5.00
26	12.00	6.00
27	10.00	5.00
28	12.00	6.00
29	10.00	5.00
30	12.00	6.00
31	10.00	5.00
32	12.00	6.00
33	10.00	5.00
34	12.00	6.00
35	10.00	5.00
36	12.00	6.00
37	10.00	5.00

# Appendix A

2019

Manorhaven - MB-3													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml	Log AvgEnt									
06/03/19	33.00	0.00	18.00	0.00			9:00	61	61	N-00	1	0	
06/10/19	3.00	9.95	2.00	6.00			9:50	64	63	NE-6		0	
06/17/19	1.00	4.63	1.00	3.30			9:25	70	66.6	E-1	3	0	
06/24/19	0.10	1.77	1.00	2.45			8:55	61	65	0	1	0	
07/01/19	26.00	3.03	1.00	2.05			9:15	75	72.3	0	1	0	
07/08/19	15.00	2.59	8.00	1.74			9:50	68	69	0	3	0	
07/15/19	10.00	3.30	14.00	2.57			9:02	67	71	N-05	1	0	
07/22/19	12.00	5.42	41.00	5.40			9:52	76	70	N-01	2	0	
07/29/19	13.00	14.35	31.00	10.73			9:10	76	72	0	1	0	
08/05/19	13.00	12.49	10.00	17.01			8:59	69	72	N-5	1	0	
08/12/19	0.10	4.59	0.10	7.08			9:17	69	75	N-3	1	0	
08/19/19	3.00	3.60	2.00	4.80			9:08	77	76	0	1	0	
08/26/19	22.00	4.07	4.00	3.01			9:02	62	74	N-10	1	0	

Log Average vs. Statistically Valid Sample Points	
18.00	
16.00	
14.00	
12.00	
10.00	
8.00	
6.00	
4.00	
2.00	
0.00	

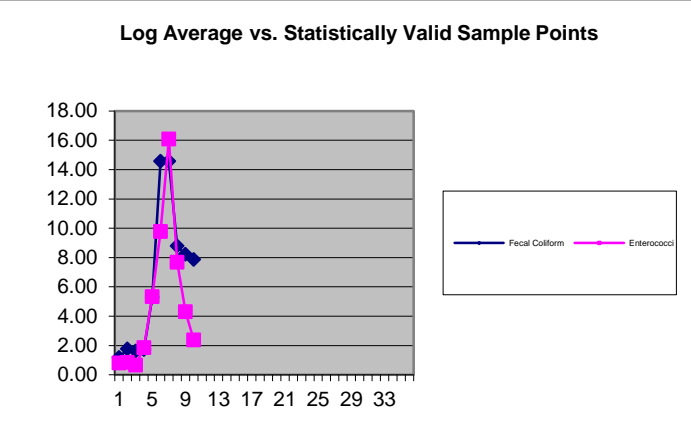
Excessive Counts	
Fecal Coliform	
MPN>1000	0
CFU>1000	0
Enterococci	
Log Avg> 35	0
MPN>104	0
CFU	



# Appendix A

2019

NUN 4 - MB-4													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100m	Log AvgEnt									
06/03/19	38.00	0.00	14.00	0.00			9:15	61	61	N-00	1	0	
06/10/19	5.00	13.78	0.10	1.18			9:45	64	63.1	NE-6		0	
06/17/19	0.10	2.67	0.10	0.52			9:30	70	65.9	E-1	3	0	
06/24/19	0.10	1.17	3.00	0.81			9:10	61	65	0	1	0	
07/01/19	9.00	1.76	1.00	0.84			9:40	75	71	0	1	0	
07/08/19	25.00	1.62	4.00	0.65			9:45	68	68	0	3	0	
07/15/19	7.00	1.74	18.00	1.85			9:15	67	69	N-05	1	0	
07/22/19	26.00	5.28	20.00	5.33			9:46	76	70	N-01	2	0	
07/29/19	16.00	14.56	62.00	9.78			9:25	74	71	0	1	0	
08/05/19	9.00	14.56	12.00	16.07			9:15	69	70	N-5	1	0	
08/12/19	2.00	8.79	0.10	7.68			9:22	69	74	N-3	1	0	
08/19/19	5.00	8.22	1.00	4.31			9:23	77	76	0	1	0	
08/26/19	21.00	7.87	1.00	2.37			9:06	62	73	N-10	1	0	
						<b>Excessive Counts</b>							
						Fecal Coliform							
						CFU>1000		0					
						Log Avg> 200		0					
						Enterococci							
						Log Avg> 35		0					
						CFU		0					



# Appendix A

## 2019

Baxter Beach - MB-5													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt									
06/03/19	370.00	0.00	120.00	0.00			9:30	61	63	N-00	1	0	
06/10/19	50.00	136.01	0.10	3.46			9:00	64	63.4	NE-6		0	
06/17/19	29.00	81.26	0.10	1.06			9:30	70	65.9	E-1	3	0	
06/24/19	6.00	42.36	214.00	4.00			9:25	61	67	0	1	0	
07/01/19	184.00	56.82	12.00	4.99			9:00	75	72.5	0	1	0	
07/08/19	240.00	52.11	46.00	4.12			8:55	68	69	0	3	0	
07/15/19	68.00	55.41	16.00	11.36			8:55	67	71	N-05	1	0	
07/22/19	52.00	62.28	17.00	31.72			9:56	76	72	N-01	2	0	
07/29/19	51.00	95.55	8.00	16.44			8:45	76	72	0	1	0	
08/05/19	48.00	73.03	15.00	17.19			8:47	69	70	N-5	1	0	
08/12/19	24.00	46.08	4.00	10.55			8:56	69	75	N-3	1	0	
08/19/19	6.00	28.36	1.00	6.06			8:54	77	75	0	1	0	
08/26/19	35.00	26.20	13.00	5.74			8:45	62	74	N-10	1	0	

**Log Average vs. Statistically Valid Sample Points**

The chart shows the Log Average values for Fecal Coliform (blue bar) and Enterococci (pink bar) across 29 statistically valid sample points. The Fecal Coliform average is approximately 1.15, and the Enterococci average is approximately 0.45.

Excessive Counts		
Fecal Coliform	CFU > 1000	0
Fecal Coliform	Log Avg > 200	0
Enterococci	Log Avg > 35	0
Enterococci	CFU	2

# Appendix A

## 2019

Manorhaven Beach - MB-6																										
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht														
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt																						
06/03/19	27.00	0.00	8.00	0.00			9:45	61	63	N-00	1	0														
06/10/19	26.00	26.50	9.00	8.49			9:57	64	63	NE-6		0														
06/17/19	9.00	18.49	2.00	5.24			9:18	70	67.2	E-1	3	0														
06/24/19	0.10	5.01	3.00	4.56			9:40	61	67	0	1	0														
07/01/19	15.00	6.24	1.00	3.37			9:20	75	72.5	0	1	0														
07/08/19	53.00	7.14	15.00	3.82			9:55	68	69	0	3	0														
07/15/19	14.00	6.31	7.00	3.63			9:05	67	71	N-05	1	0														
07/22/19	35.00	8.28	34.00	6.40			9:56	76	72	N-01	2	0														
08/05/19	63.00	35.76	14.00	14.95			9:05	69	70	N-5	1	0														
08/12/19	4.00	18.75	0.10	4.27			9:10	69	75	N-3	1	0														
08/19/19	14.00	18.75	3.00	3.46			9:16	77	76	0	1	0														
08/26/19	24.00	17.06	16.00	2.86			8:56	62	74	N-10	1	0														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Log Average vs. Statistically Valid Sample Points</b></p> </div> <div style="width: 50%;"> <table border="1"> <thead> <tr> <th colspan="2">Excessive Counts</th> </tr> </thead> <tbody> <tr> <td>Fecal Coliform</td> <td></td> </tr> <tr> <td>CFU&gt;1000</td> <td>0</td> </tr> <tr> <td>Log Avg&gt; 200</td> <td>0</td> </tr> <tr> <td>Enterococci</td> <td></td> </tr> <tr> <td>Log Avg&gt; 35</td> <td>0</td> </tr> <tr> <td>CFU</td> <td>0</td> </tr> </tbody> </table> </div> </div>													Excessive Counts		Fecal Coliform		CFU>1000	0	Log Avg> 200	0	Enterococci		Log Avg> 35	0	CFU	0
Excessive Counts																										
Fecal Coliform																										
CFU>1000	0																									
Log Avg> 200	0																									
Enterococci																										
Log Avg> 35	0																									
CFU	0																									

# Appendix A

2019

GREAT NECK - MB-7												
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt								
06/03/19	130.00	0.00	71.00	0.00			10:00	61	63	N-00	1	0
06/10/19	53.00	83.01	24.00	<b>41.28</b>			9:22	64	63.3	NE-6	3	0
06/17/19	58.00	73.66	19.00	31.87			10:10	70	67.5	E-1	3	0
06/24/19	5.00	37.60	23.00	29.38			10:05	61	67	0	1	0
07/01/19	67.00	42.20	26.00	28.67			9:52	75	72.5	0	1	0
07/08/19	49.00	34.72	17.00	21.54			9:25	68	69	0	3	0
07/15/19	17.00	27.66	8.00	17.29			9:49	67	71	N-05	1	0
07/22/19	41.00	25.80	24.00	18.12			9:14	76	72	N-01	2	0
07/29/19	11.00	30.21	18.00	17.25			9:40	76	72	0	1	0
08/05/19	113.00	33.54	33.00	18.09			9:45	69	70	N-5	1	0
08/12/19	20.00	28.04	17.00	18.09			9:50	69	75	N-3	1	0
08/19/19	42.00	33.60	15.00	20.52			9:38	77	75	0	1	0
08/26/19	38.00	33.09	31.00	21.59			9:25	62	74	N-10	1	0

Log Average vs. Statistically Valid Sample Points		Excessive Counts			
		Fecal Coliform			
		CFU>1000		0	
		Log Avg> 200		0	
		Enterococci			
		Log Avg> 35		1	
		CFU		0	

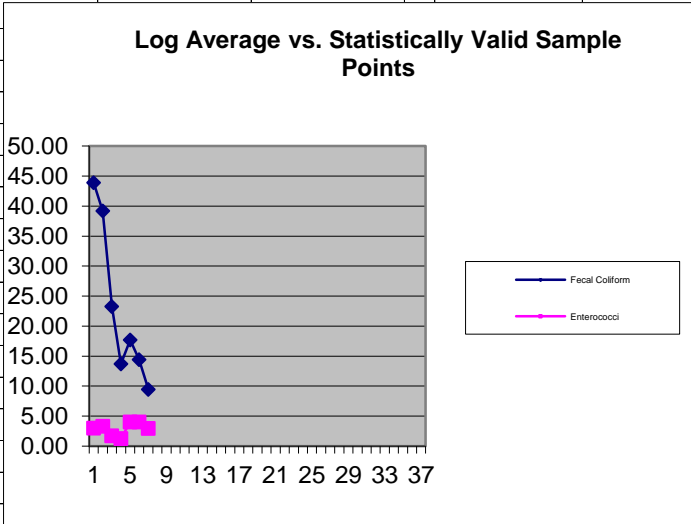
# 2020 Manhasset Bay Bacteria Data 2020

Leeds Pond - MB-1																																		
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht																						
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt																														
06/29/20	4.00	0.00	1.00	0.00			7:20	75	70.3	0	1	0																						
07/06/20	54.00	14.70	17.00	4.12			7:10	73	74	0	1	0																						
07/13/20	1100.00	61.94	74.00	10.80			7:05	84	74	0	1	0																						
07/20/20	136.00	75.40	38.00	14.79			7:00	82	76.4	0	1	0																						
07/27/20	15.00	54.59	10.00	13.67			7:40	78	77.6	0	1	0	2ft																					
08/03/20	21.00	76.05	9.00	21.22			7:00	80	77	W-9	1	1																						
08/10/20	12.00	56.30	2.00	13.83			8:00	76	72	S-5	1	0																						
08/17/20	491.00	47.91	61.00	13.31	Entro > 60		7:50	66	75	n-8	1	0																						
08/24/20	48.00	38.90	9.00	9.98			7:45	73	76	S-4	1	0																						
08/31/20	10.00	35.87	2.00	7.23			7:20	68	77	0	1	0																						
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> </div> <div style="width: 60%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Excessive Counts</th> </tr> <tr> <th colspan="3" style="text-align: center;">Fecal Coliform</th> </tr> <tr> <td style="text-align: right;">CFU &gt; 1000</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: right;">Log Avg &gt; 200</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <th colspan="3" style="text-align: center;">Enterococci</th> </tr> <tr> <td style="text-align: right;">Log Avg &gt; 35</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td style="text-align: right;">CFU</td> <td style="text-align: center;">0</td> <td></td> </tr> </thead> </table> </div> </div>														Excessive Counts			Fecal Coliform			CFU > 1000	1		Log Avg > 200	0		Enterococci			Log Avg > 35	0		CFU	0	
Excessive Counts																																		
Fecal Coliform																																		
CFU > 1000	1																																	
Log Avg > 200	0																																	
Enterococci																																		
Log Avg > 35	0																																	
CFU	0																																	

# Appendix A

2020

Kennelworth - MB-2																											
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht															
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt																							
06/29/20	191.00	0.00	27.00	0.00			7:40	75	70.4	0	1	0															
07/06/20	42.00	89.57	10.00	16.43			7:25	73	72	0	1	0															
07/13/20	33.00	64.21	0.10	3.00			7:20	84	72	0	1	0															
07/20/20	14.00	43.88	3.00	3.00			7:15	82	75	0	1	0															
07/27/20	25.00	39.21	5.00	3.32			7:25	77	77	0	1	0	4ft														
08/03/20	14.00	23.25	1.00	1.72			7:20	80	76.5	W-9	1	1															
08/10/20	3.00	13.71	2.00	1.25			8:25	76	71	S-5	1	0															
08/17/20	118.00	17.69	36.00	4.04			7:30	66	74	N-8	1	0															
08/24/20	5.00	14.40	3.00	4.04			7:30	73	75.3	S-4	1	0															
08/31/20	3.00	9.42	1.00	2.93			7:30	68	76.6	0	1	0															
<table border="1"> <thead> <tr> <th colspan="2">Excessive Counts</th> </tr> </thead> <tbody> <tr> <td>Fecal Coliform</td> <td></td> </tr> <tr> <td>CFU&gt;1000</td> <td>0</td> </tr> <tr> <td>Log Avg&gt; 200</td> <td>0</td> </tr> <tr> <td>Enterococci</td> <td></td> </tr> <tr> <td>Log Avg&gt; 35</td> <td>0</td> </tr> <tr> <td>CFU</td> <td>0</td> </tr> </tbody> </table>														Excessive Counts		Fecal Coliform		CFU>1000	0	Log Avg> 200	0	Enterococci		Log Avg> 35	0	CFU	0
Excessive Counts																											
Fecal Coliform																											
CFU>1000	0																										
Log Avg> 200	0																										
Enterococci																											
Log Avg> 35	0																										
CFU	0																										



# Appendix A

2020

Manorhaven - MB-3												
	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
Date	CFU/100ml.	Log AvgFC	CFU/100ml	Log AvgEnt								
06/29/20	136.00	0.00	0.10	0.00			8:00	75	70	0	1	0
07/06/20	24.00	57.13	1.00	0.32			7:35	73	74	0	1	0
07/13/20	150.00	78.82	52.00	1.73			7:40	84	74	0	1	0
07/20/20	47.00	69.26	6.00	2.36			7:20	82	76.4	0	1	0
07/27/20	19.00	53.47	6.00	2.85			7:15	78	77.8	0	1	0 2ft
08/03/20	17.00	35.28	1.00	4.51			7:35	80	77	W-9	1	1
08/10/20	11.00	30.18	5.00	6.23			8:35	76	72	S-5	1	0
08/17/20	12.00	18.21	0.10	1.78			7:10	66	76	N-8	1	0
08/24/20	40.00	17.63	1.00	1.25			7:10	73	76	S-4	1	0
08/31/20	7.00	14.44	0.10	0.55			7:40	68	77	0	1	0

**Log Average vs. Statistically Valid Sample Points**

Sample Point	Fecal Coliform (Log Avg)	Enterococci (Log Avg)
1	35.00	5.00
4	30.00	2.00
7	18.00	1.00
10	15.00	1.00

Excessive Counts			
<b>Fecal Coliform</b>			
MPN>1000	0		
CFU>1000	0		
<b>Enterococci</b>			
Log Avg> 35	0		
MPN>104	0		
<b>CFU</b>			

# Appendix A

2020

NUN 4 - MB-4													
	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
Date	CFU/100ml.	Log AvgFC	CFU/100m	Log AvgEnt									
06/29/20	11.00	0.00	1.00	0.00			7:50	75	70.1	0	1	0	
07/06/20	21.00	15.20	3.00	1.73			7:30	73	72	0	1	0	
07/13/20	260.00	39.16	25.00	4.22			7:25	84	72	0	1	0	
07/20/20	26.00	35.35	0.10	1.65			7:10	82	75.6	0	1	0	
07/27/20	13.00	28.94	0.10	0.94			7:20	77	77	0	1	0	4ft
08/03/20	13.00	29.92	2.00	1.08			7:30	80	76.9	W-9	1	1	
08/10/20	3.00	20.28	0.10	0.55			8:20	76	71	S-5	1	0	
08/17/20	7.00	9.84	1.00	0.29			7:20	66	74	N-8	1	0	
08/24/20	39.00	10.67	6.00	0.65			7:25	73	75.3	S-4	1	0	
08/31/20	3.00	7.96	0.10	0.65			7:35	68	76.6	0	1	0	

Excessive Counts	
Fecal Coliform	
CFU>1000	0
Log Avg> 200	0
Enterococci	
Log Avg> 35	0
CFU	0



# Appendix A

2020

Baxter Beach - MB-5																									
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht													
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt																					
06/29/20	280.00	0.00	32.00	0.00			7:05	75	69.5	0	1	0													
07/06/20	3400.00	<b>975.70</b>	320.00	<b>101.19</b>			7:50	73	74.4	0	1	0													
07/13/20	1600.00	<b>1150.59</b>	420.00	<b>162.62</b>			7:00	84	74	0	1	0													
07/20/20	270.00	<b>800.81</b>	23.00	<b>99.73</b>			7:25	82	76.4	0	1	0													
07/27/20	191.00	<b>601.22</b>	51.00	<b>87.21</b>			7:00	78	77.8	0	1	0													
08/03/20	510.00	<b>677.82</b>	39.00	<b>90.73</b>			7:50	80	78	W-9	1	1													
08/10/20	10.00	<b>211.26</b>	4.00	<b>37.77</b>			8:50	76	72	S-5	1	0													
08/17/20	4900.00	<b>264.26</b>	61.00	25.68	ENTRO > 60		7:00	66	76	N-8	1	0													
08/24/20	44.00	183.84	14.00	23.25			7:00	73	76	S-4	1	0													
08/31/20	181.00	181.88	6.00	15.15			7:00	68	78	0	1	0													
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Log Average vs. Statistically Valid Sample Points</b></p> <p>Legend: Fecal Coliform (blue line), Enterococci (pink line)</p> </div> <div style="width: 45%;"> <p><b>Excessive Counts</b></p> <table border="1"> <tr> <td colspan="2">Fecal Coliform</td> </tr> <tr> <td>CFU&gt;1000</td> <td>3</td> </tr> <tr> <td>Log Avg&gt; 200</td> <td>7</td> </tr> <tr> <td colspan="2">Enterococci</td> </tr> <tr> <td>Log Avg&gt; 35</td> <td>6</td> </tr> <tr> <td>CFU</td> <td>2</td> </tr> </table> </div> </div>														Fecal Coliform		CFU>1000	3	Log Avg> 200	7	Enterococci		Log Avg> 35	6	CFU	2
Fecal Coliform																									
CFU>1000	3																								
Log Avg> 200	7																								
Enterococci																									
Log Avg> 35	6																								
CFU	2																								

# Appendix A

2020

Manorhaven Beach - MB-6													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt									
06/29/20	7.00	0.00	2.00	0.00			8:05	75	70	0	1	0	
07/06/20	33.00	15.20	18.00	6.00			7:40	73	74.4	0	1	0	
07/13/20	41.00	21.16	11.00	7.34			7:30	84	74	0	1	0	
07/20/20	136.00	33.69	54.00	12.09			7:30	82	76.4	0	1	0	
07/27/20	23.00	31.21	3.00	9.15			7:10	78	77.6	0	1	0	
08/03/20	30.00	41.76	19.00	14.35			7:40	80	78	W-9	1	1	
08/10/20	11.00	33.52	5.00	11.11			8:40	76	72	S-5	1	0	
08/17/20	191.00	45.60	61.00	15.65	ENTERO>60		7:15	66	76	N-8	1	0	
08/24/20	127.00	44.98	91.00	17.37			7:15	73	76	S-4	1	0	
08/31/20	12.00	39.49	11.00	22.53			7:50	68	78	0	1	0	

**Log Average vs. Statistically Valid Sample Points**

Sample Point	Fecal Coliform (Log Avg)	Enterococci (Log Avg)
1	0.00	0.00
2	15.20	5.00
3	33.69	10.00
4	21.16	15.00
5	41.76	20.00
6	31.21	25.00
7	45.60	30.00
8	33.52	35.00
9	11.11	40.00
10	191.00	45.00
11	45.60	50.00
12	41.76	45.00
13	33.69	40.00
14	21.16	35.00
15	15.20	30.00
16	10.00	25.00
17	5.00	20.00
18	3.00	15.00
19	9.15	10.00
20	14.35	5.00
21	11.11	0.00
22	15.65	0.00
23	17.37	0.00
24	22.53	0.00
25	22.53	0.00
26	22.53	0.00
27	22.53	0.00
28	22.53	0.00
29	22.53	0.00
30	22.53	0.00
31	22.53	0.00
32	22.53	0.00
33	22.53	0.00
34	22.53	0.00
35	22.53	0.00
36	22.53	0.00

**Excessive Counts**

Fecal Coliform	
CFU>1000	0
Log Avg> 200	0
Enterococci	
Log Avg> 35	0
CFU	0

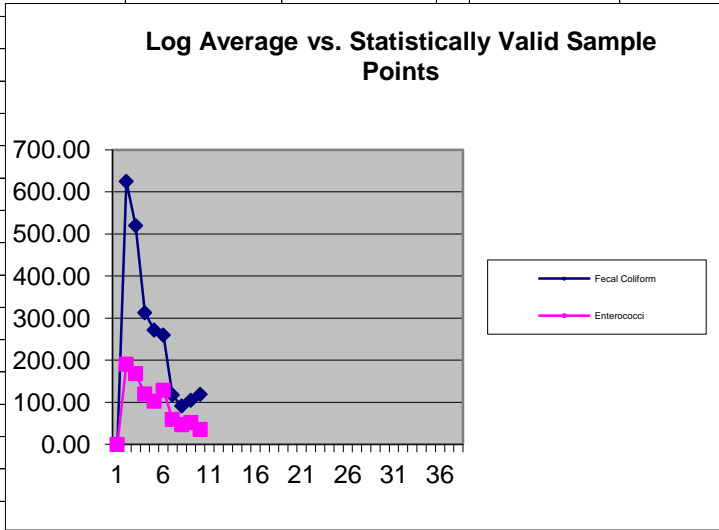
# Appendix A

2020

GREAT NECK - MB-7													
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht	
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt									
06/29/20	55.00	0.00	14.00	0.00			7:30	75	70	0	1	0	
07/06/20	<b>7100.00</b>	<b>624.90</b>	2600.00	<b>190.79</b>			7:20	73	74.4	0	1	0	
07/13/20	360.00	<b>519.97</b>	130.00	<b>167.89</b>			7:10	84	74	0	1	0	
07/20/20	68.00	<b>312.69</b>	44.00	<b>120.12</b>			7:05	82	76.4	0	1	0	
07/27/20	155.00	<b>271.74</b>	54.00	<b>102.37</b>			7:50	78	77.8	0	1	0	2ft
08/03/20	44.00	<b>259.88</b>	44.00	<b>128.72</b>			7:10	80	78	W-9	1	1	
08/10/20	136.00	117.82	56.00	<b>59.74</b>			8:10	76	73	S-5	1	0	
08/17/20	100.00	91.19	38.00	<b>46.71</b>			7:45	66	76	N-8	1	0	
08/24/20	136.00	104.75	73.00	<b>51.69</b>			8:00	73	76	S-4	1	0	
08/31/20	290.00	118.74	8.00	<b>35.28</b>			7:15	68	78	0	1	0	

Excessive Counts		
Fecal Coliform		
CFU>1000		1
Log Avg> 200		5
Enterococci		
Log Avg> 35		9
CFU		2





# Appendix A

2021

BEACHWATER		Kennelworth - MB-2												
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht		
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt										
06/07/21	8.00	0.00	1.00	0.00			9:15	71	65	0	1	0		
06/14/21	2.00	4.00	1.00	1.00			9:10	64	64	S-10	4	0		
06/21/21	25.00	7.37	0.10	0.46			9:00	75	69	S-5	2	0		
06/28/21	1.00	4.47	0.10	0.32			9:10	81	67	0	1	0		
07/05/21	29.00	6.50	2.00	0.46			8:50	72	66	E-06	1	0		
07/12/21	9.00	6.65	2.00	0.53			9:20	75	72	0	2	0		
07/19/21	34.00	11.73	2.00	0.60			8:59	72	74	0	3	0		
07/26/21	<b>5700.00</b>	34.74	5400.00	5.33			8:56	73	74	N-4	2	0		
08/02/21	5.00	47.93	2.00	9.71			8:56	72	73		2	0		
08/09/21	118.00	63.46	90.00	20.79			9:03	74	73	NE-12	3 4	1		
08/16/21	5.00	56.42	3.00	22.55			9:12	72	73		2	0		
08/23/21	340.00	89.42	280.00	<b>60.59</b>			:10	72	72.9	S-15	4	2		
08/30/21	12.00	26.07	2.00	12.48			8:50	73	74.5	N-00	2	0		

Log Average vs. Statistically Valid Sample Points									
1	5	9	13	17	21	25	29	33	37

Excessive Counts	
Fecal Coliform	
CFU>1000	1
Log Avg> 200	0
Enterococci	
Log Avg> 35	1
CFU	2

# Appendix A

## 2021

BEACHWATER		Manorhaven - MB-3												
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht		
	CFU/100ml.	Log AvgFC	CFU/100ml	Log AvgEnt										
06/07/21	3.00	0.00	0.10	0.00			8:45	73	67	0	1	0		
06/14/21	8.00	4.90	1.00	0.32			8:40	64	64	S-10	4	0		
06/21/21	15.00	7.11	0.10	0.22			8:50	77	69	S-5	2	0		
06/28/21	1.00	4.36	0.10	0.18			8:55	82	70	0	1	0		
07/05/21	12.00	5.33	3.00	0.31			8:40	72	67	E-06	1	0		
07/12/21	290.00	13.31	46.00	1.07			9:05	75	72	0	2	0		
07/19/21	51.00	19.28	3.00	1.33			8:50	72	75	0	3	0		
07/26/21	<b>4200.00</b>	59.49	4700.00	11.42			8:46	73	75	N-4	2	0		
08/02/21	2.00	68.34	0.10	11.42			8:46	72	73		2	0		
08/09/21	42.00	87.80	12.00	15.07			8:54	74	73	NE-12	3 4	1		
08/16/21	5.00	38.98	1.00	7.01			9:05	72	73		2	0		
08/23/21	900.00	69.21	630.00	20.42			8:30	72	72.8	S-15	4	2		
08/30/21	18.00	23.26	3.00	4.69			8:30	73	75.1	N-00	2	0		

Sample Point	Fecal Coliform (Log Avg)	Enterococci (Log Avg)
1	12	10
4	68	10
7	88	10
10	70	10
13	38	10
16	22	10
19	23	10
22	23	10
25	23	10
28	23	10
31	23	10
34	23	10

Excessive Counts		
Fecal Coliform		
MPN>1000	1	
CFU>1000	0	
Enterococci		
Log Avg> 35	0	
MPN>104	2	
CFU		

# Appendix A

## 2021

● BEACHWATER		NUN 4 - MB-4																							
Date	Fecal Coliform CFU/100ml.	Log AvgFC	Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht													
			CFU/100m	Log AvgEnt																					
06/07/21	1.00	0.00	0.10	0.00			8:40	71	65	0	1	0													
06/14/21	7.00	2.65	0.10	0.10			9:00	64	64	S-10	4	0													
06/21/21	8.00	3.83	8.00	0.43			8:53	75	69	S-10	2	0													
06/28/21	1.00	2.74	1.00	0.53			9:00	81	70	0	1	0													
07/05/21	14.00	3.79	1.00	0.60			8:48	72	67	E-06	1	0													
07/12/21	64.00	8.71	11.00	1.54			9:10	75	72	0	2	0													
07/19/21	49.00	12.86	8.00	3.71			8:53	72	74	0	3	0													
07/26/21	<b>3800.00</b>	44.10	5900.00	13.90			8:48	73	74	N-4	2	0													
08/02/21	1.00	44.10	0.10	8.77			8:50	72	73		2	0													
08/09/21	21.00	47.83	22.00	16.28			8:57	74	73	NE-12	3 4	1													
08/16/21	1.00	20.82	0.10	6.36			9:08	72	73		2	0													
08/23/21	220.00	28.11	290.00	13.04			8:50	72	72.9	S-15	4	2													
08/30/21	19.00	9.74	0.10	1.45			8:45	73	74.5	N-00	2	0													
<div style="display: flex;"> <div style="flex: 1;"> </div> <div style="flex: 1; border: 1px solid black; padding: 5px;"> <p><b>Excessive Counts</b></p> <table border="1"> <tr><th colspan="2">Fecal Coliform</th></tr> <tr><td>CFU&gt;1000</td><td>1</td></tr> <tr><td>Log Avg&gt; 200</td><td>0</td></tr> <tr><th colspan="2">Enterococci</th></tr> <tr><td>Log Avg&gt; 35</td><td>0</td></tr> <tr><td>CFU</td><td>2</td></tr> </table> </div> </div>														Fecal Coliform		CFU>1000	1	Log Avg> 200	0	Enterococci		Log Avg> 35	0	CFU	2
Fecal Coliform																									
CFU>1000	1																								
Log Avg> 200	0																								
Enterococci																									
Log Avg> 35	0																								
CFU	2																								

# Appendix A

2021

BEACHWATER		Baxter Beach - MB-5										
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt								
06/07/21	31.00	0.00	0.10	0.00			8:30	73	67	0	1	0
06/14/21	1100.00	184.66	106.00	3.26			8:30	64	65	S-10	4	0
06/21/21	64.00	129.71	4.00	3.49			8:25	77	71	S-5	2	0
06/28/21	32.00	91.42	8.00	4.29			8:25	82	71	0	1	0
07/05/21	49.00	80.70	45.00	6.87			8:15	72	66	E-06	1	0
07/12/21	510.00	141.29	110.00	27.86			8:40	75	72	0	2	0
07/19/21	601.00	125.20	56.00	24.52			8:32	72	75	0	3	0
07/26/21	4600.00	<b>294.38</b>	<b>4200.00</b>	<b>98.59</b>			8:24	73	75	N-4	2	0
08/02/21	32.00	<b>294.38</b>	0.10	<b>41.04</b>			8:28	72	73		2	0
08/09/21	36.00	<b>276.78</b>	21.00	<b>35.24</b>			8:35	74	73	NE-12	3 4	1
08/16/21	21.00	146.24	0.10	8.68			8:32	72	73		2	0
08/23/21	<b>6001.00</b>	<b>231.70</b>	<b>6001.00</b>	22.12			8:15	72	71.3	S-10	4	2
08/30/21	52.00	94.53	5.00	5.75			8:15	73	75.4	N-00	2	0

Log Average vs. Statistically Valid Sample Points	
1.20	
1.00	
0.80	
0.60	
0.40	
0.20	
0.00	
1	
5	
9	
13	
17	
21	
25	
29	

Excessive Counts	
Fecal Coliform	
CFU>1000	3
Log Avg> 200	4
Enterococci	
Log Avg> 35	3
CFU	4



# Appendix A

## 2021

● BEACHWATER														
Manorhaven Beach - MB-6														
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht		
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt										
06/07/21	35.00	0.00	4.00	0.00			8:35	73	67	0	1	0		
06/14/21	28.00	31.30	28.00	10.58			8:45	64	65	S-10	4	0		
06/21/21	15.00	24.50	2.00	6.07			8:40	77	71	S-5	2	0		
06/28/21	69.00	31.74	8.00	6.51			8:46	82	71	0	1	0		
07/05/21	20.00	28.94	6.00	6.40			8:35	72	67	E-06	1	0		
07/12/21	740.00	53.27	52.00	10.69			9:00	75	72	0	2	0		
07/19/21	39.00	56.92	7.00	8.10			8:44	72	74	0	3	0		
07/26/21	<b>3200.00</b>	166.37	4700.00	<b>38.27</b>			8:42	73	75	N-4	2	0		
08/02/21	9.00	110.70	0.10	15.93			8:41	72	73		2	0		
08/09/21	118.00	157.88	67.00	25.81			8:50	74	73	NE-12	3	4	1	
08/16/21	11.00	68.04	1.00	11.71			8:55	72	73		2	0		
08/23/21	<b>6001.00</b>	186.29	6001.00	<b>45.21</b>			8:40	72	72.9	S-15	4	2		
08/30/21	26.00	71.14	4.00	11.00			8:35	73	75.2	N-00	2	0		

Log Average vs. Statistically Valid Sample Points		Excessive Counts	
		Fecal Coliform	
		CFU > 1000	2
		Log Avg > 200	0
		Enterococci	
		Log Avg > 35	2
		CFU	2

# Appendix A

2021

BEACH/WATER		GREAT NECK - MB-7												
Date	Fecal Coliform		Enterococci		Comments	Rain	Time	Air	Water	Wind	Weather	Wave Ht		
	CFU/100ml.	Log AvgFC	CFU/100ml.	Log AvgEnt										
06/07/21	14.00	0.00	8.00	0.00			10:00	73	68	0	1	0		
06/14/21	16.00	14.97	5.00	6.32			9:30	64	65	S-10	4	0		
06/21/21	14.00	14.64	7.00	6.54			9:20	77	70	S-5	2	0		
06/28/21	19.00	15.62	3.00	5.38			9:25	82	71	0	1	0		
07/05/21	12.00	14.82	0.10	2.43			9:05	72	68	E-06	1	0		
07/12/21	150.00	23.82	40.00	3.35			9:35	75	71	0	2	0		
07/19/21	48.00	29.67	4.00	3.20			9:14	72	74	0	3	0		
07/26/21	<b>3900.00</b>	91.47	5300.00	12.05			9:14	73	75	N-4	2	0		
08/02/21	2.00	58.31	1.00	9.68			9:07	72	73		2	0		
08/09/21	340.00	113.81	280.00	<b>47.33</b>			9:16	74	73	NE-12	3	4	1	
08/16/21	30.00	82.49	22.00	<b>41.99</b>			9:23	72	73		2	0		
08/23/21	<b>3600.00</b>	195.61	3800.00	<b>165.47</b>			9:30	72	73.1	S-15	4	2		
08/30/21	14.00	63.45	1.00	29.78			9:25	73	75.4	N-00	2	0		
<b>Log Average vs. Statistically Valid Sample Points</b>														
<b>Excessive Counts</b>														
Fecal Coliform														
CFU>1000      2														
Log Avg> 200      0														
Enterococci														
Log Avg> 35      3														
CFU      3														