

E.Coli Sampling 2023										
Site	Date					PLM **				
	4/3/23	5/1/23	6/5/23	6/19/23	7/10/23	7/18/23	7/24/23	8/23/23	9/13/23	10/9/23
1	*	*	*	*	*	<4	*			
2	1.00	57.3	3.1	34.5	4.1	<4	14.1	4.1	2	6
3		*	*	*	*		*			
4	7.00	11.00	25.6	24.9	46.5		105	17.3	98.8	21
5	*	*	*	*	*	128	*			
6	4.00	47.00	123.6	117.8	224.7		290.9	60.1	16.9	579
7	1.00	2.00	13.4	23.1	42.6		12	1	14.8	9
8	*	*	*	*	*	<4	*			
9	*	*	*	344.8	517.2		435.2	517.2	365.4	210
10	6.00	124.6	547.5	770.1	980.4		517.2	387.3	387.3	1120
11	1.00	133.4	104.6	360.9	648.8		325.5	517.2	410.6	1203
12	1.00	44.8	866.4	980.4	387.3		1986.3	1413.6	1553.1	1046
13	0.00	33.1	1046.2	1203.3	980.4		920.8	1046.2	1732.9	308
14	4.00	50.4	1722	209.8	106.7		866.4	248.9	261.3	192
15	3.00	62	920.8	1732	648.8		248.1	980.4	248.1	1733
16										67
0 - 130 CFU/100ml				Water meets Bacteriological Standards for Safe Swimming						
130 - 300 CFU/100ml				Safety of the Water for Swimming Questionable						
300 - 500 CFU/100ml				Water Unsafe for Swimming						
10,000 CFU/100ml				EGLE Testing Level @ Public Beaches Only						
	Site	Location		Site	Location					
	1	Palmer Lk: SE **		8	Long Lk: E, W, & N **					
	2	Beach & PLM **		9	BSC @ Needham Rd.		* No Sample Taken			
	3	Dam		10	Decker Bridge		** PLM Annual Testin			
	4	Lake St.		11	Hagelgans Rd.					
	5	Pal. Ch: N.End **		12	Lindley Rd.					
	6	Inlet LSC		13	Outwater Rd.					
	7	Long Lake Bridge		14	M-86 Bridge					
				15	Langwell Rd./East of Babcock Rd.					
				16	Matteson Lake Dam					

E.coli Sampling June 19, 2023							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	117.8	Sunny/Calm	64.7°	69.5°	7.7 E	2' Green/Brown
Lake Street	T. Tenney	24.90	Sunny/Calm	67°	69.5°	7.7 E	2' Green/Brown
Beach	T. Tenney	34.5	Sunny/Calm	69°	71.7°	8 E	2' Green/Brown
Long Lake Bridge	J. Borgert	23.10	Sunny/Calm	°			Water Slow Green/Brown
BSC @ Needham Rd	J. Borgert	344.8	Sunny/Calm				Water Slow Green/Brown
Decker Bridge	J. Borgert	770.1	Sunny/Calm	°			Water Slow Greenish
Hagelgans Rd.	J. Borgert	360.9	Sunny/Calm	°			Low, Good Current, & Clarity, Greenish
Lindley Rd.	J. Borgert	980.4	Sunny/Calm	°			Slow, Greenish, Good Clarity, Surface Scum
Outwater Rd	E. Bell	1203.3	Sunny/Calm	°	64°		Water Clear & Slow
M-86 Bridge	E. Bell	209.8	Sunny/Calm	°	59.9°		Very Slow, Dirty
Langwell Rd/E Babcock	E. Bell	1,732.00	Sunny/Calm	°	58.8°		Water Clear, Good Flow
E.coli Sampling July 10, 2023							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	224.7	Sunny/Calm	69°	77.2°	4.2 SW	2' Green
Lake Street	T. Tenney	46.50	Sunny/Calm	68°	76.8°	4.2 SW	1.75' Green
Beach	T. Tenney	4.1	Sunny/Calm	66°	77.2°	4.2 SW	2' Green
Long Lake Bridge	J. Borgert	42.60	Sunny/Calm	°			Brownish Green Slow Current
BSC @ Needham Rd	J. Borgert	517.2	Sunny/Calm				Brownish Slow Current Fair Clarity
Decker Bridge	J. Borgert	980.4	Sunny/Calm	°			Greenish Slow Current Fair Clarity
Hagelgans Rd.	J. Borgert	648.8	Sunny/Calm	°			Very Low Good Clarity Good Current
Lindley Rd.	J. Borgert	387.3	Sunny/Calm	°			Clear to Greenish Slow Current
Outwater Rd	E. Bell	980.4	Sunny/Calm	°	66.9°		Water Slow & Low Clear
M-86 Bridge	E. Bell	106.7	Sunny/Calm	°	66.3°		Grey Color Still Current
Langwell Rd/E Babcock	E. Bell	648.80	Sunny/Calm	°	57.2°		Water Clear & Fast
E.coli Sampling July 24, 2023							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	290.9	Sunny/Calm	66°	71.6°	3 SW	3' Greenish Brown
Lake Street	T. Tenney	105.00	Sunny/Calm	69°	75.1°	3 SW	2' Greenish Brown
Beach	T. Tenney	14.1	Sunny/Calm	69°	77.1°	3 SW	2.5' Greenish Brown
Long Lake Bridge	J. Borgert	12.00	Sunny/Calm	61°			Slow Current, Dark, Fair clarity
BSC @ Needham Rd	J. Borgert	435.2	Sunny/Calm	65°			Slow Current, Low, Greenish Brown
Decker Bridge	J. Borgert	517.2	Sunny/Calm	61°			Slow Current, Greenish Gray

Hagelgans Rd.	J. Borgert	325.5	Sunny/Calm	64°			Good Current, Low, Greenish
Lindley Rd.	J. Borgert	1986.3	Sunny/Calm	64°			Slow Current, Greenish Brown
Outwater Rd	E. Bell	920.8	Sunny/Calm	°	69.6°		Fast Current, Brown
M-86 Bridge	E. Bell	266.4	Sunny/Calm	°	63.5°		Slow Current, Clearer than Normal
Langwell Rd/E Babcock	E. Bell	248.10	Sunny/Calm	°	58.4°		Fast Current, Clear
E.coli Sampling August 23, 2023							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	60.2	Sunny/Windy	68°	72°	9.1 S	2.75' Greenish
Lake Street	T. Tenney	17.30	Sunny/Windy	70°	76.1°	9.1 S	2' Greenish
Beach	T. Tenney	4.1	Sunny/Windy	71°	75°	9.9 S	2' Greenish
Long Lake Bridge	J. Borgert	1.00	Sunny/Windy	65°			Slow Current
BSC @ Needham Rd	J. Borgert	517.2	Sunny/Windy	69°			Slow Current
Decker Bridge	J. Borgert	387.3	Sunny/Windy	65°			Slow Current
Hagelgans Rd.	J. Borgert	517.2	Sunny/Windy	68°			Low - Slow Current
Lindley Rd.	J. Borgert	1413.6	Sunny/Windy	66°			Slow Current
Outwater Rd	E. Bell	1046.2	Sunny/Windy	°	70.6°		Clear - Good Flow
M-86 Bridge	E. Bell	248.9	Sunny/Windy	°	66.3°		Water Dirty - No Flow
Langwell Rd/E Babcock	E. Bell	980.40	Sunny/Windy	°	58. 6°		Water Clear - Good Flow
E.coli Sampling September 13, 2023							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	16.9	Sunny/Cloudy	53°	64.5°	2.4 SW	3.5 ' Greenish
Lake Street	T. Tenney	98.80	Sunny/Cloudy	52°	68°	2.4 SW	2.5' Greenish
Beach	T. Tenney	2	Sunny	49°	70.2°	2.3 SW	2.5' Greenish
Long Lake Bridge	J. Borgert	14.80	Partly Cloudy	48°			No Current - Dark Color
BSC @ Needham Rd	J. Borgert	365.4	Partly Cloudy	50°			Slow Current - Low - Fairly Clear
Decker Bridge	J. Borgert	387.3	Cloudy Sprinkle	50°			No Current - Dark Color
Hagelgans Rd.	J. Borgert	410.6	Sunny/Windy	48°			Low - Slow Current - Fairly Clear
Lindley Rd.	J. Borgert	1553.1	Partly Cloudy	48°			Fairly Clear - Slow Current
Outwater Rd	E. Bell	1732.9	Partly Cloudy	°	56.6°		Clear - Slow Flow
M-86 Bridge	E. Bell	261.3	Partly Cloudy	°	56.4°		Still Water - Lt. Green
Langwell Rd/E Babcock	E. Bell	248.10	Partly Cloudy	°	49.9°		Water Clear - Good Flow

E.coli Sampling October 9, 2023							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	579	Oct.12 Overcast Calm	51°	54.4 °	6.0 ENE	2.75' Greenish
Lake Street	T. Tenney	21	Oct.12 Overcast Calm	51°	56.2°	6.0 ENE	3.0' Greenish
Beach	T. Tenney	6	Oct.12 Overcast Ripples	51°	59.5°	6.0 ENE	2.75' Greenish
Long Lake Bridge	J. Borgert	9	Sunny/Scattered Clouds	40°			5" Below winter level/Clear Dark Water
BSC @ Needham Rd	J. Borgert	210	Sunny/Scattered Clouds	41°			Low/Fairly Clear/Slow Current
Decker Bridge	J. Borgert	1120	Sunny/Scattered Clouds	40°			Dark/Low/Good Current
Hagelgans Rd.	J. Borgert	1203	Sunny/Scattered Clouds	41°			Low/Good Current/Farily Clear
Lindley Rd.	J. Borgert	1046	Sunny/Scattered Clouds	40°			Dark/Low/Good Current
Outwater Rd	E. Bell	308	Sunny/Scattered Clouds	°	53.9°		Clear fast
M-86 Bridge	E. Bell	192	Sunny/Scattered Clouds	°	59°		Clear Slow
Langwell Rd/E Babcock	E. Bell	1,733	Sunny/Scattered Clouds	°	44.6°		Clear/Good Flow
Matteson Lake Dam	E. Bell	67	Sunny/Scattered Clouds	°	53.9°		Clear fast

E.Coli Sampling 2024									
Site	Date				PLM	PLM			
	4/22/24	5/15/24	6/4/24	7/8/24	7/22/24	7/29/24	8/4/24	9/9/24	
1	*				496	108			
2	5.2	31.3	2	3.1			25.3	2.0	
3	*								
4	38.4	224.7	81.6	272.3			64.4	7.4	
5	*				640	228			
6	28.8	435.2	142.1	365.4			95.9	228.2	
7	6.3	193.5	15.5	33.1			48	2.0	
8	*								
9	101.7	155.3	135.4	238.2			198.9	261.3	
10	115.3	517.2	435.2	648.8			378.3	461.1	
11	88	461.1	325.5	290.9			290.9	488.4	
12	126.6	137.9	461.1	1299.7			325.5	579.4	
13	8.6	128.7	218.7	1414.6			148.3	2419.6	
14	83.6	>2419.6	228.2	277.8			727	82.6	
15	67.7	>2419.6	435.2	1203.3			387.3	579.4	
16	7.5	98.7	58.3	166.6			34.1	33.1	
0 - 130 CFU/100ml			Water meets Bacteriological Standards for Safe Swimming						
130 - 300 CFU/100ml			Safety of the Water for Swimming Questionable						
300 - 500 CFU/100ml			Water Unsafe for Swimming						
10,000 CFU/100ml			EGLE Testing Level @ Public Beaches Only						
	Site	Location		Site	Location				
	1	Palmer Lk: **		8	Long Lk: E, W, & N **				
	2	Beach & PLM **		9	BSC @ Needham Rd.		* No Sample Taken		
	3	Dam		10	Decker Bridge		** PLM Annual Testing		
	4	Lake St.		11	Hagelgans Rd.		# 1 Mouth of North Channel to Dam		
	5	Palmer Lk. Ch: **		12	Lindley Rd.		# 5 Mouth of South Channel to L. Lake		
	6	Inlet LSC		13	Outwater Rd.				
	7	Long Lake Bridge		14	M-86 Bridge				
				15	Langwell Rd./East of Babcock Rd.				
				16	Matteson Lake Dam				

E.Coli Sampling April 22, 2024							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	28.8	Sunny	42°	50.6°	7 SW	Water high/fast Greenish - 3'
Lake Street	T. Tenney	38.4	Sunny	42°	52.8°	8 SW	Water Greenish - 2.75'
Beach	T. Tenney	5.2	Sunny	43°	53.6°	8 SW	Water Lt. Green - 3..5'
Long Lake Bridge	J. Borgert	6.3	Sunny	38°			Fast Current, Greenish
Decker Bridge	J. Borgert	115.3	Sunny	38°			Fast Current, Greenish, Poor Clarity
Needhan Rd.	J. Borgert	101.7	Sunny	42°			Fast Current, Water Dark, Fair Clarity
Hagelgans Rd.	J. Borgert	88	Sunny	41°			Fast Current, Greenish Brown, Fair Clarity
Lindley Rd.	J. Borgert	126.6	Sunny	40°			Fast Current, Greenish Brown, Poor Clarity
Outwater Rd	E. Bell	8.6	Sunny		44.2°		Clear & Fast Current
M-86 Bridge	E. Bell	83.6	Sunny		41.5°		Good Flow, Grey Tint
Langwell Rd/E Babo	E. Bell	67.7	Sunny		38.7°		Water Fast & Clear
Matteson Lake Dam	E. Bell	7.5	Sunny		45.1°		Water Fast & Clear
E.Coli Sampling May 15, 2024							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	435.2	Overcast	52°	62.5°	10 NE	Water high Greenish Gray - 3'
Lake Street	T. Tenney	224.7	Overcast	53°	65.1°	10 NE	Water Greenish Gray - 2.5'
Beach	T. Tenney	31.3	Sunny	53°	53.6°	10 NE	Greenish -2.5'
Long Lake Bridge	J. Borgert	193.5	Party Cloudy				Greenish, Fair Clarity
Decker Bridge	J. Borgert	517.2	Party Cloudy				Greenish Gray, Fairly Fast Current
Needhan Rd.	J. Borgert	155.3	Party Cloudy				Greenish, Rain Overnight
Hagelgans Rd.	J. Borgert	461.1	Party Cloudy				Greenish, Fast Current, Fairly Clear
Lindley Rd.	J. Borgert	137.9	Party Cloudy				Brownish Green, Cloudy, Fast Current
Outwater Rd	E. Bell	128.7			58.8°		Fast Current, Clear
M-86 Bridge	E. Bell	>2419.6			52.5°		Strong Current
Langwell Rd/E Babo	E. Bell	>2419.6			52.8°		Muddy, Very Fast
Matteson Lake Dam	E. Bell	98.7			57.2°		Fast Current, Somewhat Clear
E.Coli Sampling June 4, 2024							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	142.1	Clear	69°	70.5°	7 SE	Water high Greenish - 4'
Lake Street	T. Tenney	81.6	Clear	71°	72.8°	7 SE	Water High Greenish - 3.5'
Beach	T. Tenney	2.0	Clear	72°	74.0°	8 SE	Water High Greenish - 2.75'
Long Lake Bridge	J. Borgert	15.5	Clear	67°			Slow Current, Fair Clarity
Decker Bridge	J. Borgert	435.2	Clear	69°			Good Current, Grayish green
Needhan Rd.	J. Borgert	135.4	Clear	71°			Good Current, Greenish, Fair Clarity
Hagelgans Rd.	J. Borgert	325.5	Clear	71°			Good Current & Clarity, Greenish
Lindley Rd.	J. Borgert	461.1	Clear	70°			Good Current, Greenish Brown
Outwater Rd	E. Bell	218.7	Clear		68°		Clear Water, Steady Flow
M-86 Bridge	E. Bell	228.2	Clear		62.1°		Water Up, Slow Current, Gray Color
Langwell Rd/E Babo	E. Bell	435.2	Clear		56.1°		Clear Water, Good Flow
Matteson Lake Dam	E. Bell	58.3	Clear		68.3°		Clear Water & Fast

E.Coli Sampling July 8, 2024							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	365.4	Overcast	72°	75.6°	3 WSW	Greenish Gray - 3'
Lake Street	T. Tenney	272.3	Overcast	72°	77.2°	3 WSW	Greenish Gray - 2'
Beach	T. Tenney	3.1	Overcast	73°	78.1°	3 WSW	Greenish Gray - 2'
Long Lake Bridge	J. Borgert	33.1	Overcast	71°		3 WSW	Greenish Brown
Decker Bridge	J. Borgert	648.8	Overcast	71°		3 WSW	Good Current, Clarity Fair
Needhan Rd.	J. Borgert	238.2	Overcast	72°		3 WSW	Good Clarity & Current, Greenish Brown
Hagelgans Rd.	J. Borgert	290.9	Overcast	72°		3 WSW	Water Low, Good Current, Clear
Lindley Rd.	J. Borgert	1299.7	Partlty Cloudy	72°		3 WSW	Good Current & Clarity, Green
Outwater Rd	E. Bell	1413.6	Overcast		74.2°	3 WSW	Good Flow, Light Brown
M-86 Bridge	E. Bell	277.8	Overcast		70.3°	3 WSW	Slow Current, Green
Langwell Rd/E Bab	E. Bell	1203.3	Overcast		64.2°	3 WSW	Low Slow Clear
Matteson Lake Dam	E. Bell	166.4	Overcast		75.2°	3 WSW	Good Flow, Clear
E.Coli Sampling August 4, 2024							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	95.9	Sunny & Clear	84°	78.5°	5 - W	Greenish - 3.25-
Lake Street	T. Tenney	64.4	Sunny & Clear	86°	81.0°	5 - W	Greenish - 2.75'
Beach	T. Tenney	25.3	Sunny & Clear	86°	83.3°	5 - W	Greenish Gray - 2.5'
Long Lake Bridge	J. Borgert	48	Sunny & Clear	82°		5 - W	Greenish, Good Current
Decker Bridge	J. Borgert	387.3	Sunny & Clear	82°		5 - W	Grayish Green, Good Current
Needhan Rd.	J. Borgert	198.9	Sunny & Clear	82°		5 - W	Brownish Gray, Fairly Clear, Good Currnet
Hagelgans Rd.	J. Borgert	290.9	Sunny & Clear	82°		5 - W	Greenish, Good Current
Lindley Rd.	J. Borgert	325.5	Sunny & Clear	82°		5 - W	Brownish Gray, Good Currnet
Outwater Rd	E. Bell	148.3	Sunny & Clear		78.9°	5 - W	Brown, Not Real Clear, Good Flow
M-86 Bridge	E. Bell	727	Sunny & Clear		71.9°	5 - W	Water Up, Medium Flow, Some Clarity
Langwell Rd/E Bab	E. Bell	387.3	Sunny & Clear		69.9°	5 - W	Water Level Low, Clear & Fast
Matteson Lake Dam	E. Bell	34.1	Sunny & Clear		78.2°	5 - W	Water fast Over Dam Boards, Clear Green
E.Coli Sampling August 4, 2024							
				Air	Water	Wind	Water
Site		E.coli	Weather	Temp	Temp	MPH	Secchi Disc
Inlet LSC	T. Tenney	228.2	Sunny & Clear	53°	58.2°	11 WSW	Greenish - 3.0'
Lake Street	T. Tenney	7.4	Sunny & Clear	55°	63.5°	11 WSW	Greenish - 2.5'
Beach	T. Tenney	2.0	Sunny & Clear	55°	66.3°	11 WSW	Water choppy, Greenish - 2.5'
Long Lake Bridge	J. Borgert	2.0	Sunny & Clear	55°		11 WSW	Fairly clear, Slow current
Decker Bridge	J. Borgert	461.1	Sunny & Clear	55°		11 WSW	Clear greenish grey, Slow current
Needhan Rd.	J. Borgert	261.3	Sunny & Clear	60°		11 WSW	Fairly clear, Slow current, Low
Hagelgans Rd.	J. Borgert	488.4	Sunny & Clear	57°		11 WSW	Clear greenish grey, Good current
Lindley Rd.	J. Borgert	579.4	Sunny & Clear	56°		11 WSW	Clear, Fair Current, Low
Outwater Rd	E. Bell	2419.6	Sunny & Clear		55.2°	11 WSW	Clear, Very Low
M-86 Bridge	E. Bell	82.6	Sunny & Clear		55.5°	11 WSW	Clear, Slow current

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