

Composition & Dominance, Growth Rates and Microcystin estimates
Town Beach

MC estimate							MC estimate							MC estimate												
Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)
5/4/2022	<S>								5/4/2022	WV								5/4/2022	Grab							
5/17/2022	<S>								5/17/2022	WV								5/17/2022	Grab							
6/1/2022	<S>								6/1/2022	WV	18.13	1.2584	1.0838	0.012				6/1/2022	Grab	1788	3.25237	2.15224	0.142	N/D		
6/15/2022	<S>	4.02							6/15/2022	WV	0.55	-0.25984	0.27916	0.007				6/15/2022	Grab							
6/21/2022	<S>	0.33					0.316	0.06	6/21/2022	WV	0.55	0.1516	1.3076	0.144				6/21/2022	Grab	1800	3.29007	1.90456	150.22	69.19	0.04	
7/5/2022	<S>	0.38					0.302	0.04	7/5/2022	WV	5.15	0.71881	2.10815	0.144				7/5/2022	Grab	54616	4.26888	6.11015	1104.21	232.38	0.02	
7/12/2022	<S>	1.22							7/12/2022	WV	1.46	0.16405	1.62869	0.034				7/12/2022	Grab							
7/19/2022	<S>	1.46							7/19/2022	WV	2.83							7/19/2022	Grab							
7/26/2022	<S>	1.69							7/26/2022	WV	2.61							7/26/2022	Grab							
8/2/2022	<S>	0.1							8/2/2022	WV	0.1							8/2/2022	Grab	3040					ATX 0.50 ug L-1	
8/9/2022	<S>	0.77							8/9/2022	WV	1.46							8/9/2022	Sub 2	181					ATX 0.20 ug L-1	
8/16/2022	<S>	1.89							8/16/2022	WV W 1.46	1.46						8/16/2022	Sub 1	67					ATX 0.10 ug L-1		

Deep 1

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Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)
5/4/2022	<S>								5/4/2022	WV									5/4/2022	Grab						
5/17/2022	<S>								5/17/2022	WV	0.1								5/17/2022	Grab						
6/1/2022	<S>	0.1							6/1/2022	WV	0.1								6/1/2022	Grab						
6/15/2022	<S>	0.33							6/15/2022	WV	5.81	0.76418	0.81882	0.007					6/15/2022	Grab						
6/21/2022	<S>	0.18							6/21/2022	WV	1.46	0.22789	1.60281	0.048	0.277	0.16			6/21/2022	Grab						
6/28/2022	<S>	0.48							6/28/2022	WV	2.19	0.54777	1.60906	0.09					6/28/2022	Grab						
7/5/2022	<S>	1.22							7/5/2022	WV	1	0	1.241	0.021					7/5/2022	Grab						
7/12/2022	<S>	1.49							7/12/2022	WV	1.49								7/12/2022	Grab						

Deep 2

MC estimate							MC estimate							MC estimate												
Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)
5/4/2022	<S>								5/4/2022	WV									5/4/2022	Grab						
5/17/2022	<S>								5/17/2022	WV	0.1								5/17/2022	Grab						
6/1/2022	<S>	0.1							6/1/2022	WV	0.1								6/1/2022	Grab						
6/15/2022	<S>	0.33							6/15/2022	WV	9.48	0.39328	0.52763	0.009					6/15/2022	Grab						
6/21/2022	<S>	0.48							6/21/2022	WV	1.23	0.08961	1.44431	0.028					6/21/2022	Grab						
6/28/2022	<S>	1.49							6/28/2022	WV	1.49	0.22789	1.60281	0.048					6/28/2022	Grab						
7/5/2022	<S>	1.22							7/5/2022	WV	1.23	0.08961	1.44431	0.028					7/5/2022	Grab						
7/12/2022	<S>	1.49							7/12/2022	WV	1.46								7/12/2022	Grab						
7/19/2022	<S>	1.69							7/19/2022	WV	1.61								7/19/2022	Grab						
8/2/2022	<S>	0.1							8/2/2022	WV	1								8/2/2022	Grab						
8/9/2022	<S>	0.89							8/9/2022	WV	2.33								8/9/2022	Grab						
8/16/2022	<S>	1.09							8/16/2022	WV	1.46								8/16/2022	Grab						

Thoreau's Cove

MC estimate							MC estimate							MC estimate												
Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)
5/4/2022	<S>								5/4/2022	WV									5/4/2022	Grab						
5/17/2022	<S>								5/17/2022	WV	0.1								5/17/2022	Grab						
6/1/2022	<S>	0.1							6/1/2022	WV	1.23								6/1/2022	Grab						
6/15/2022	<S>	0.33							6/15/2022	WV	18.14	3.35085	1.07583	0.011					6/15/2022	Grab						
6/21/2022	<S>	0.18							6/21/2022	WV	1								6/21/2022	Grab						
6/28/2022	<S>	1.49							6/28/2022	WV	2.46	0.45312	1.86141	0.071					6/28/2022	Grab						
7/5/2022	<S>	1							7/5/2022	WV	1.23	0.08961	1.44431	0.028					7/5/2022	Grab						
7/12/2022	<S>	1.22							7/12/2022	WV	1.23	0.08961	1.44431	0.028					7/12/2022	Grab						
7/19/2022	<S>	1.49							7/19/2022	WV	1.46								7/19/2022	Grab						
8/2/2022	<S>	0.1							8/2/2022	WV	2.33								8/2/2022	Grab						
8/9/2022	<S>	0.89							8/9/2022	WV	1.69								8/9/2022	Grab						
8/16/2022	<S>	1.09							8/16/2022	WV	1.46								8/16/2022	Grab						

Sachems Cove

MC estimate							MC estimate							MC estimate												
Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)	Date	Sample Type	PC (ug L-1)	Growth rate	Log PC	Log MC	MC (ug L-1)	Measured MC (ug L-1)	PST (ug ug-1)
5/4/2022	<S>								5/4/2022	WV									5/4/2022	Grab						
5/17/2022	<S>								5/17/2022	WV	0.1								5/17/2022	Grab						
6/1/2022	<S>	0.1							6/1/2022	WV	0.1								6/1/2022	Grab						
6/15/2022	<S>	0.33							6/15/2022	WV	18.14	3.35085	1.07583	0.011					6/15/2022	Grab						
6/21/2022	<S>	0.18							6/21/2022	WV	1								6/21/2022	Grab						
6/28/2022	<S>	1.49							6/28/2022	WV	1								6/28/2022	Grab						
7/5/2022	<S>	1							7/5/2022	WV	1.23	0.08961	1.44431	0.028					7/5/2022	Grab						
7/12/2022	<S>	1.22							7/12/2022	WV	1.23	0.08961	1.44431	0.028					7/12/2022							