

Color

Sample Date	Location	Depth (m)	Color	NH State Guidelines	
			30	Color (PCU)	
7/17/2018	Deep Spot	1.5	50	0-25	Clear
6/26/2019	Deep Spot	1	30	25-40	Light Tea Color
7/31/2019	Deep Spot	1.5	40	40-80	Tea Color
				>80	Highly Colored

Chloride (Cl)

Sample Date	Location	Depth	mg/l	NH State Guidelines	
			<3	Chloride (mg/l)	
7/17/2018	Deep Spot	1.5	<3	2mg/l	Typical for NH
6/26/2019	Deep Spot	1.5	<3	230mg/l	Maximum (chronic)
7/31/2019	Deep Spot	1.5	<3		

Chlorophyll-A

Sample Date	Location	Depth	ug/l	NH State Guidelines	
			1.97	Chlorophyll-A (ug/l)	
7/30/2010			3.65	0 - 5	Good
7/30/2011			5.32	5.1 - 15	More than desirable
7/31/2012			2.96	>15	Nuisance Amounts
7/30/2013			3.79		
7/31/2014			3.14		
7/29/2015			4.38		
7/30/2016			3.52		
7/17/2018	Deep Spot	2	4.14		
6/26/2019	Deep Spot	2	3.93		
7/31/2019	Deep Spot	2	2.77		

Bacteria (E-Coli)

Sample Date	Location	CTS/ml	NH State Guidelines	
			Bacteria (E-Coli)	
7/17/2018	Northwest Cove	4.1	<47	E-coli CTS / 100ml
7/17/2018	Southeast Cove	8.5		Limit above based on
7/31/2019	Northwest Cove	2		most stringent interpretation

Acid Neutralizing Capacity (ANC)

Sample Date	Location	Depth	mg/l	NH State Guidelines	
			1.5	ANC (mg/l) as CaCO	
7/30/2010			1	<0	Acidified
7/30/2011			1.3	0-2	Extremely vulnerable
7/31/2012			1.9	2.1-10	Moderately vulnerable
7/30/2013			1.4	10.1-25	Low vulnerability
7/31/2014			2	>25	Not vulnerable
7/29/2015			2.9		
7/30/2016			2.9		
7/17/2018	Deep Spot	1.5	2.3		
6/26/2018	Deep Spot	1	1.9		
7/31/2019	Deep Spot	1.5	2.8		
7/31/2019	Deep Spot	1.5	2.4		

pH

Sample Date	Location	Depth	units	NH State Guidelines
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7/31/2009		6.22		pH (units)	
7/30/2010		6.22		<5	Acidified
7/30/2011		6.2		5.0-5.4	Critical
7/31/2012		6.28		5.5-6.4	Endangered
7/30/2013		6.26		6.5-8.0	Satisfactory
7/31/2014		6.28			
7/29/2015		6.59			
7/30/2016		6.5			
7/17/2018	Deep Spot	1.5	6.42		
6/26/2019	Deep Spot	1	6.32		
6/26/2019	Deep Spot	2	6.38		
6/26/2019	South Inlet		5.42		
7/31/2019	Deep Spot	1.5	6.72		
7/31/2019	Deep Spot	1.5	6.54		
7/31/2019	South Inlet		5.46		
7/31/2019	South Inlet		5.47		

Total Phosphorus (TP)

Sample Date	Location	Depth	ug/l	NH State Guidelines	
7/1/2009	Deep Spot		8.7	Total Phosphorus (ug/l)	
7/1/2010	Deep Spot		8.6	1-10	Low (good)
7/1/2011	Deep Spot		11	11-20	Average
7/1/2012	Deep Spot		8.2	21-40	High
7/1/2013	Deep Spot		8.5	>40	Excessive
7/1/2014	Deep Spot		7		
7/1/2015	Deep Spot		12.4		
6/1/2016	Deep Spot		9.25		
7/1/2016	Deep Spot		10.5		
8/1/2016	Deep Spot		5.19		
7/1/2017	Deep Spot		9.24		
7/17/2018	Deep Spot	1.5	26.8		
6/26/2019	Deep Spot	1	9.2		
6/26/2019	Deep Spot	2	11.6		
6/26/2019	South Inlet		6.8		
7/31/2019	Deep Spot	1.5	7.6		
7/31/2019	South Inlet		10		

Water Clarity (Secchi-Disk Transparency)

Sample Date	Location	Depth		NH State Guidelines	
7/31/2009		2.5		Water Clarity	
7/30/2010		2.5		<2	Poor
7/30/2011		2.5		2-4.5	Good
7/31/2012		2.5		>4.5	Exceptional
7/30/2013		2.5		NVS = No Scope Used	
7/31/2014		n/a		VS = Scope Used	
7/29/2015		2.5			
7/30/2016		2.5			
7/17/2018	Deep Spot (NVS)	2.5	>2.5		
7/17/2018	Deep Spot (VS)	2.5	>2.5		
6/26/2019	Deep Spot (NVS)	2.5	2.5		
6/26/2019	Deep Spot (VS)	2.5	2.5		
7/31/2019	Deep Spot (NVS)	2.75	2.75		

7/31/2019 Deep Spot (VS) 2.5 2.5

Conductivity

Sample Date	Location	Depth	uMhos/cm	NH State Guidelines
7/31/2009			18.19	Conductivity <100 uMhos/cm
7/30/2010			18.74	
7/30/2011			15.95	
7/31/2012			17.64	
7/30/2013			16	
7/31/2014			1685	
7/29/2015			17.92	
7/30/2016			23.58	
7/17/2018	Deep Spot	1.5	23.9	
6/26/2019	Deep Spot	1	19.77	
6/26/2019	Deep Spot	2	19.94	
6/26/2019	South Inlet		14.21	
7/31/2019	Deep Spot	1.5	21.1	
7/31/2019	Deep Spot	1.5	21.2	
7/31/2019	South Inlet		15.01	
7/31/2019	South Inlet		14.96	

Turbidity

Sample Date	Location	Depth	NTUs	NH State Guidelines
7/31/2009			0.89	Turbidity (NTUs) <0.1 Minimum 22.0 Maximum 1.0 Median
7/30/2010			0.59	
7/30/2011			1.28	
7/31/2012			0.82	
7/30/2013			0.57	
7/31/2014			1.33	
7/29/2015			1.43	
7/30/2016			1.11	
7/17/2018	Deep Spot	1.5	2.64	
6/26/2019	Deep Spot	1	0.65	
6/26/2019	Deep Spot	2	0.82	
6/26/2019	South Inlet		0.22	
7/31/2019	Deep Spot	1.5	0.8	
7/31/2019	Deep Spot	1.5	0.85	
7/31/2019	South Inlet		0.27	
7/31/2019	South Inlet		0.31	