

2007 pH Data - South Shore, including Salt Pond Coalition Sites

The standard measurement of acidity is pH. A pH of less than 7 is acidic; above pH 7 is alkaline, also known by the term “basic.” The pH measurement is a logarithmic measurement, which means that each unit decrease in pH equals a ten-fold increase in acidity. In other words, pH 5 water is ten times more acidic than pH 6 water. The normal pH range in marine systems is 7.0 to 8.5, but can change rapidly in response to rain events or during large phytoplankton blooms. Typical suburban streams have pH values from 6 to 8 pH units.

Monitoring Locations

2007 Data

	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Salt Pond Coalition Sites	----- Standard pH units -----						
Green Hill - In Pond 0.5 m	8.2	8.3	8.3	8.1	7.8	7.9	8.1
Green Hill - In Pond 1.5 m	8.1	8.2	8.1	8.1	7.7	7.8	8.0
Green Hill - Indigo Pt	8.1	8.2	7.9	8.1	7.7	7.8	8.0
Green Hill - Sea Lea	8.0	8.0	8.1	8.0	7.6	7.8	7.9
Green Hill - Teal Rd	7.6	8.2	8.3	7.8	7.6	7.7	7.9
Little Maschaug Pond	8.5	8.6	9.0	9.2	9.1	8.9	8.9
Ninigret Pond - Crawford Dock	7.8	7.9	7.7	8.0	7.9	7.7	7.8
Ninigret Pond - Stumpy Pt 0.5 m	8.2	8.4	8.4	8.2	7.6	7.9	8.1
Ninigret Pond - Stumpy Pt 1.5 m	8.3	7.9	8.5	8.3	7.5	7.9	8.0
Ninigret Pond - Vigna's Dock	8.1	8.1	8.0	7.5	7.5	7.6	7.8
Ninigret Pond - Western Basin 0.5 m	8.1	7.9	8.4	8.2	7.9	7.9	8.1
Ninigret Pond - Western Basin 1.5 m	8.1	-	8.3	8.2	7.9	7.8	8.1
Pt Judith Pond - Champlin's Cove	-	8.5	7.7	7.5	7.8	7.8	7.9
Pt Judith Pond - Gardiner Island 0.5 m	-	8.0	8.0	7.9	7.9	8.0	8.0
Pt Judith Pond - Gardiner Island 1.5 m	-	8.0	8.1	7.9	7.9	7.9	8.0
Pt Judith Pond - Ram Point 0.5 m	7.7	7.9	7.4	7.5	7.4	7.8	7.6
Pt Judith Pond - Ram Point 1.5 m	-	7.9	7.3	7.6	7.4	7.9	7.6
Quonnie Pond - Harmonic Cove Channel 0.5 m	8.0	8.0	8.1	8.1	7.9	8.0	8.0
Quonnie Pond - Harmonic Cove Channel 1.5 m	8.0	8.0	8.0	8.1	8.0	7.9	8.0
Quonnie Pond - Harmonic Cove	8.0	7.9	8.0	7.9	7.8	-	7.9
Quonnie Pond - Harmonic Cove Buoy 0.5 m	8.1	8.0	8.0	8.1	7.8	7.9	8.0
Quonnie Pond - Harmonic Cove Buoy 1.5 m	8.1	7.9	8.1	8.1	7.8	8.1	8.0
Quonnie Pond - Judge's Rock 0.5 m	8.2	8.0	8.1	8.1	7.9	8.0	8.0
Quonnie Pond - Judge's Rock 1.5 m	7.8	8.0	8.0	8.0	7.9	8.0	8.0
Quonnie Pond - Mud Cove	8.3	7.8	8.0	7.6	7.5	7.6	7.8
Quonnie Pond - N. of Bill's Is. 0.5 m	7.9	8.0	8.1	8.1	8.0	8.1	8.0
Quonnie Pond - N. of Bill's Is. 1.5 m	7.9	8.0	8.0	8.0	7.9	8.1	8.0
Quonnie Pond - Shady Harbor Brk	7.7	8.0	8.0	7.8	7.8	8.0	7.9
Quonnie Pond - Yacht Basin	8.1	8.0	7.9	7.7	7.8	7.9	7.9
Saugatucket River - Caleb's Dock	-	6.3	7.2	6.4	6.9	6.7	6.7
Winnapaug Pond - Aquaculture	-	-	8.0	7.9	8.0	8.1	8.0
Winnapaug Pond - Breachway	8.3	8.0	7.9	8.1	8.1	7.8	8.0
Winnapaug Pond - Golf Course Cove	7.9	8.1	8.1	7.9	7.7	7.7	7.9
Winnapaug Pond - SWest Corner	-	-	7.9	7.9	7.8	7.9	7.9
Watch Hill Conservancy Sites	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	MEAN
Napatree Point - Bayside	-	-	8.1	8.2	7.9	8.0	8.1
Napatree Point - Oceanside	-	-	8.1	8.1	8.0	7.9	8.0