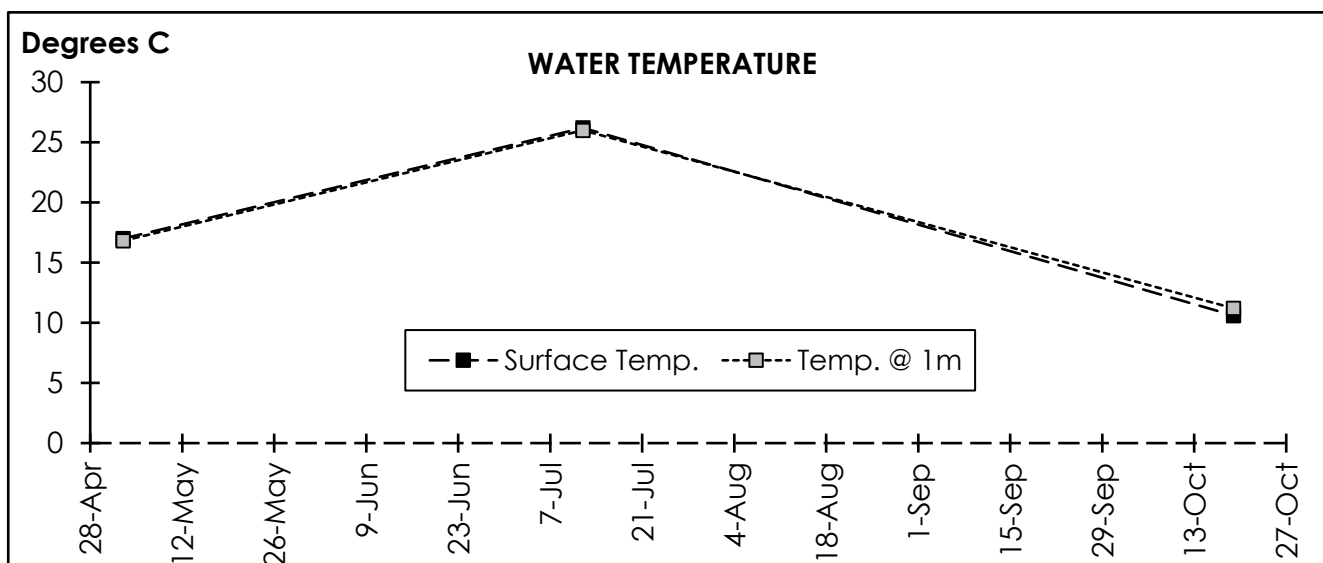
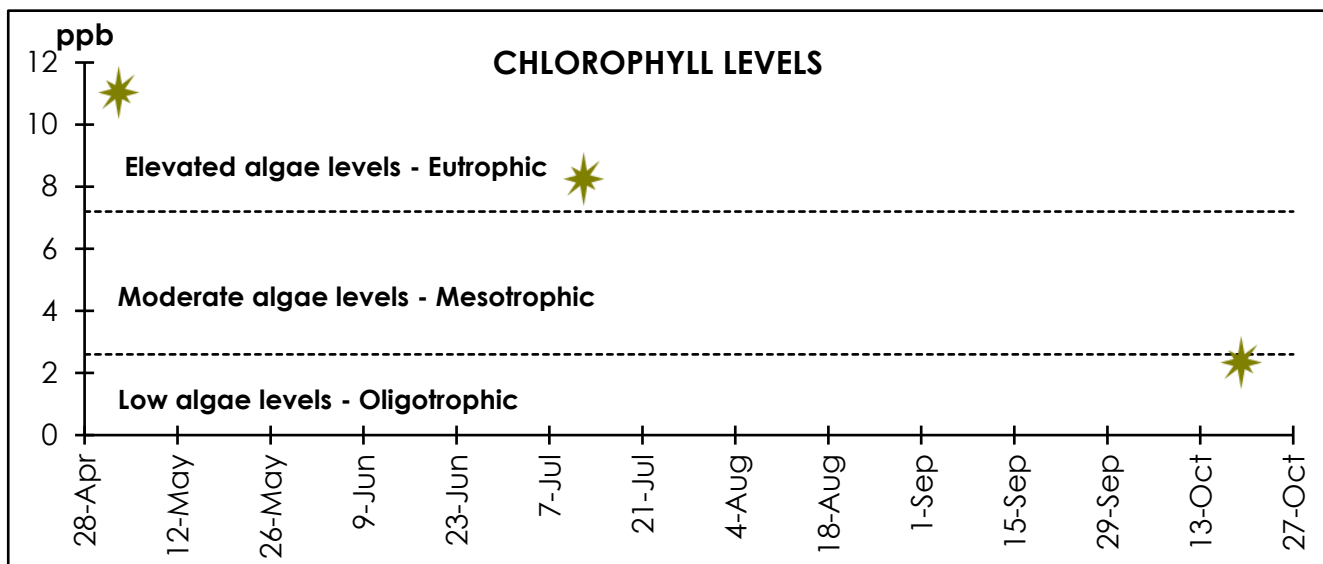
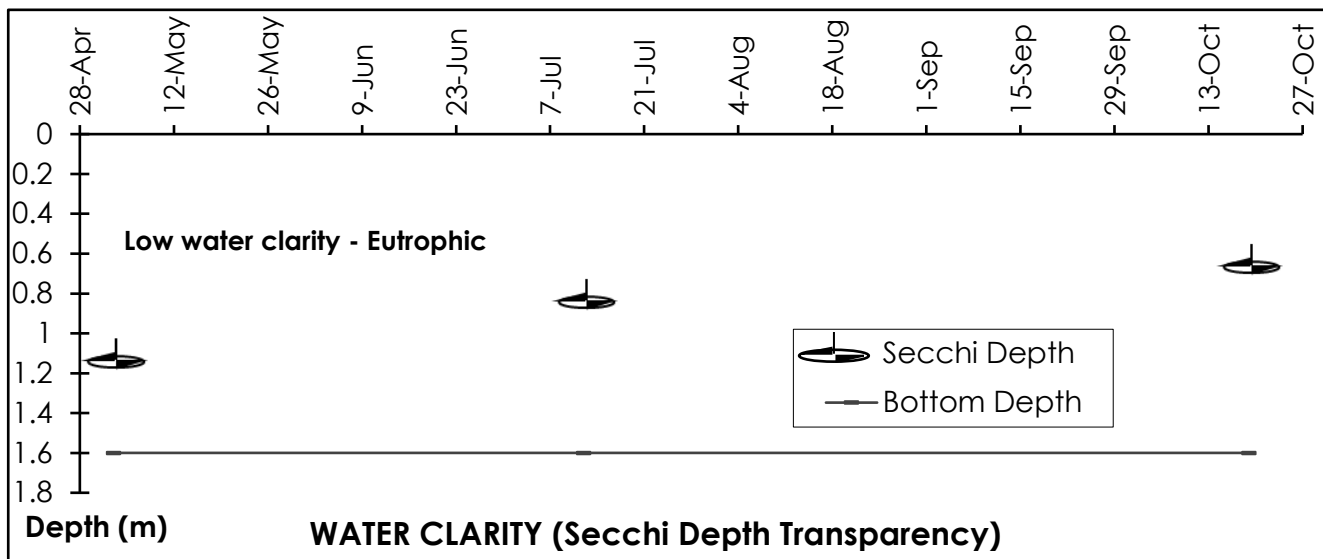


2018 BLUE LAKE DATA



2018 BLUE LAKE DATA

	MAY	JUNE	JULY	AUG	SEPT	OCT	
	-----Total Phosphorus (ppb) -----						Mean
Blue Lake @ 1m	21	-	26	-	-	21	23
	<i>RIDEM lake maximum average TP value 25 ppb CEQ recommends maximum 100 ppb TP instream</i>						
	-----Dissolved Phosphorus (ppb) -----						Mean
Blue Lake @ 1m	8	-	8	-	-	5	7
	----- Total Nitrogen (ppb) -----						Mean
Blue Lake @ 1m	465	-	615	-	-	615	565
	<i>Total nitrogen levels in lakes and ponds above 750 ppb considered elevated. US EPA recommended maximum total nitrogen levels for northeast streams = 710 ppb</i>						
	----- Nitrate-Nitrogen (ppb) -----						Mean
Blue Lake @ 1m	30	-	135	-	-	30	65
	----- Ammonia-Nitrogen (ppb) -----						Mean
Blue Lake @ 1m	15	-	20	-	-	100	45
	<i>Limit of Detection = 15 ppb</i>						
	----- Chlorides (ppm) -----						Mean
Blue Lake @ 1m	40	-	-	-	-	10	25
	<i>Chlorides measured in spring and fall to assess the impact from winter road salt use.</i>						
	----- Enterococci (per 100 mLs) -----						Maximum
Site	<1	-	1	-	-	2	2
	<i>RIHealth Standard for Recreational Contact: Maximum 60 Enterococci per 100 mLs</i>						
	----- pH -----						Minimum
Blue Lake @ 1m	6.5	-	6.8	-	-	6.6	6.5
	<i>pH of 6 - 9 considered normal</i>						
	----- Alkalinity (mg/l CaCO3) -----						Minimum
Site	7.7	-	11.8	-	-	9.8	7.7
	<i>USEPA Alkalinity Classification: Acidified <1 ppm with pH < 5.0; Critical <2 ppm; Endangered 2-5 ppm; Highly Sensitive 5-10 ppm; Sensitive 10-20 ppm; Not Sensitive >20 ppm</i>						



Lily pads on Blue Lake (Image from <https://www.fishingnortheast.net/>)