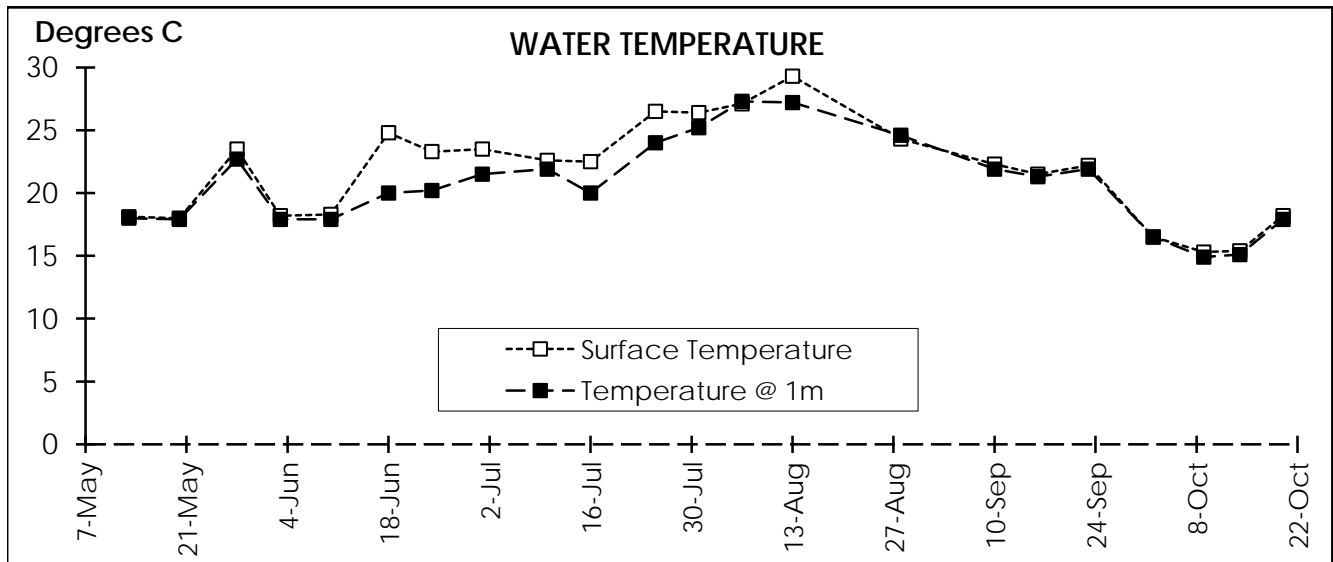
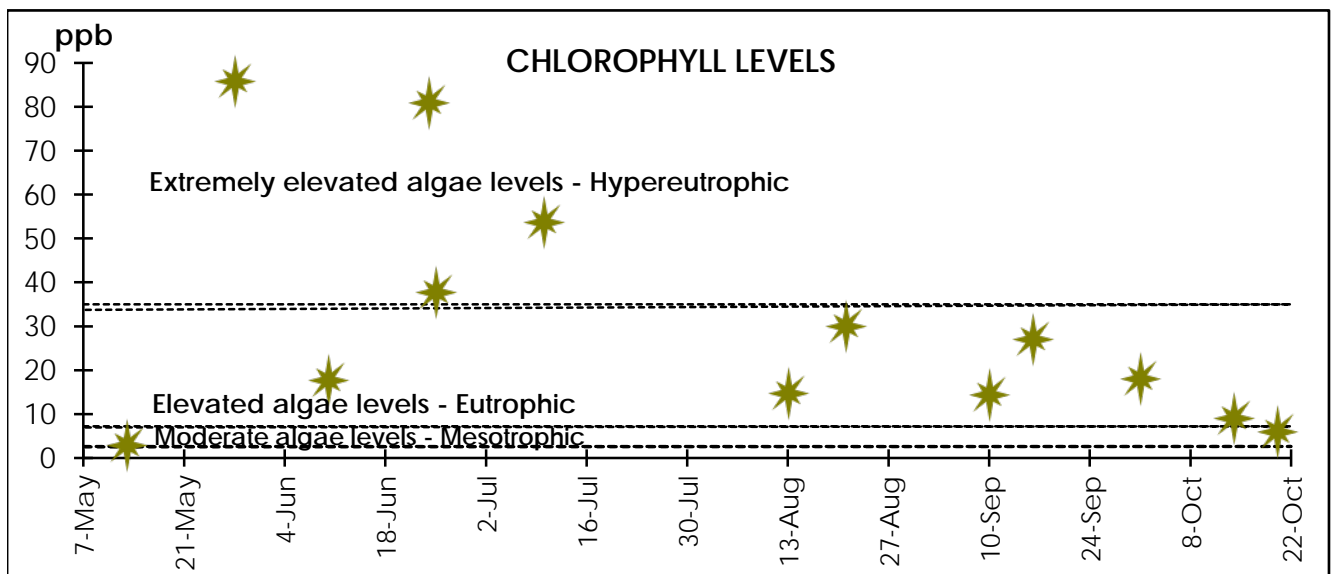
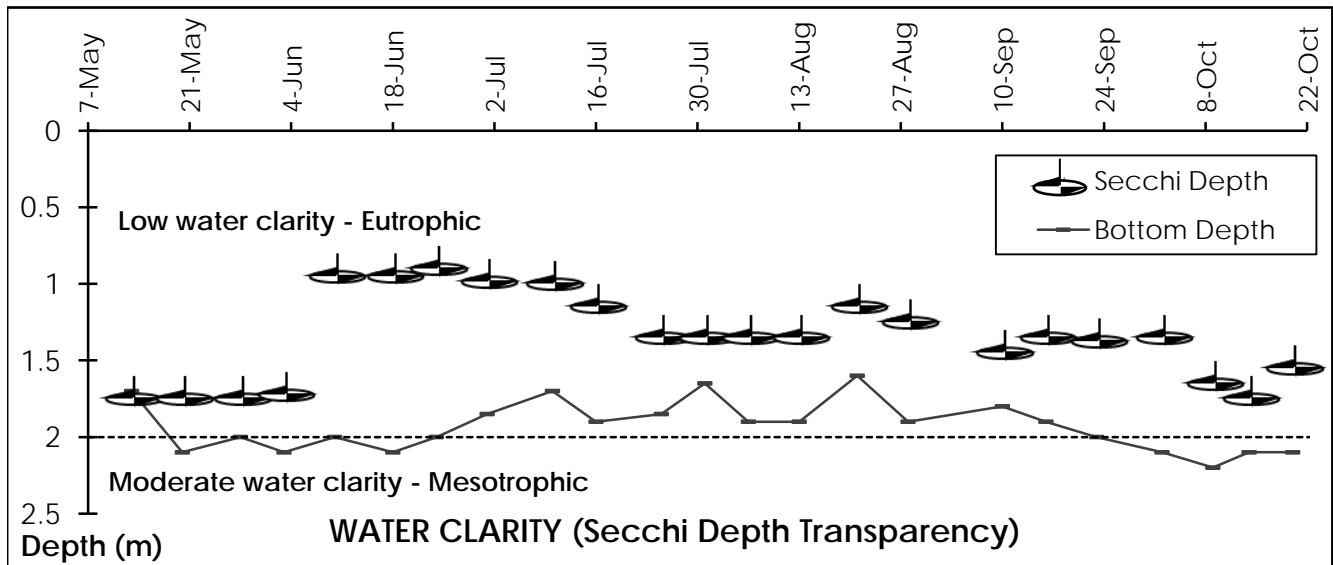


2016 Spalding Pond



2016 SPAULDING POND DATA

Spaulding Pond

	MAY	JULY	OCT	
-----Total Phosphorus (ppb) -----				
Spaulding @ 1m depth	14	66	21	Mean 34
<i>RIDEM lake maximum average TP value 25 ppb CEQ recommends maximum 100 ppb TP instream</i>				
-----Dissolved Phosphorus (ppb) -----				
Spaulding @ 1m depth	6	14	16	Mean 12
<i>ND = No Detect Limit of Detection = 4 ppb Mean determined with half the limit of detection (2 ppb) in place of ND</i>				
----- Total Nitrogen (ppb) -----				
Rounded to 5 ppb				Mean
Spaulding @ 1m depth	445	900	475	607
<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) -----				
Rounded to 5 ppb				Mean
Spaulding @ 1m depth	<15	30	<15	15
<i>ND = No Detect Limit of Detection = 15 ppb Mean determined with half the limit of detection (7.5 ppb) in place of ND</i>				
----- Ammonia-Nitrogen (ppb) -----				
Rounded to 5 ppb				Mean
Spaulding @ 1m depth	30	35	40	35
<i>ND = No Detect Limit of Detection = 15 ppb Mean determined with half the limit of detection (7.5 ppb) in place of ND</i>				
----- Chlorides (ppm) -----				
Spaulding @ 1m depth	11	-	19	Mean 15
<i>Chlorides measured in spring and fall to assess the impact from winter road salt use. Levels expected to be highest in spring, and "background" or "normal" levels by fall.</i>				
----- Enterococci (per 100 mLs) -----				
Spaulding @ 1m depth	2	10.8	2	Maximum 11
<i>RIHealth Standard for Recreational Contact: Maximum 61 Enterococci per 100 mLs</i>				
----- pH -----				
Spaulding @ 1m depth	6.7	6.7	6.6	Minimum 6.6
<i>pH of 6 - 9 considered normal</i>				
----- Alkalinity (mg/l CaCO3) -----				
Spaulding @ 1m depth	6.1	14.9	13.5	Minimum 6.1

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)