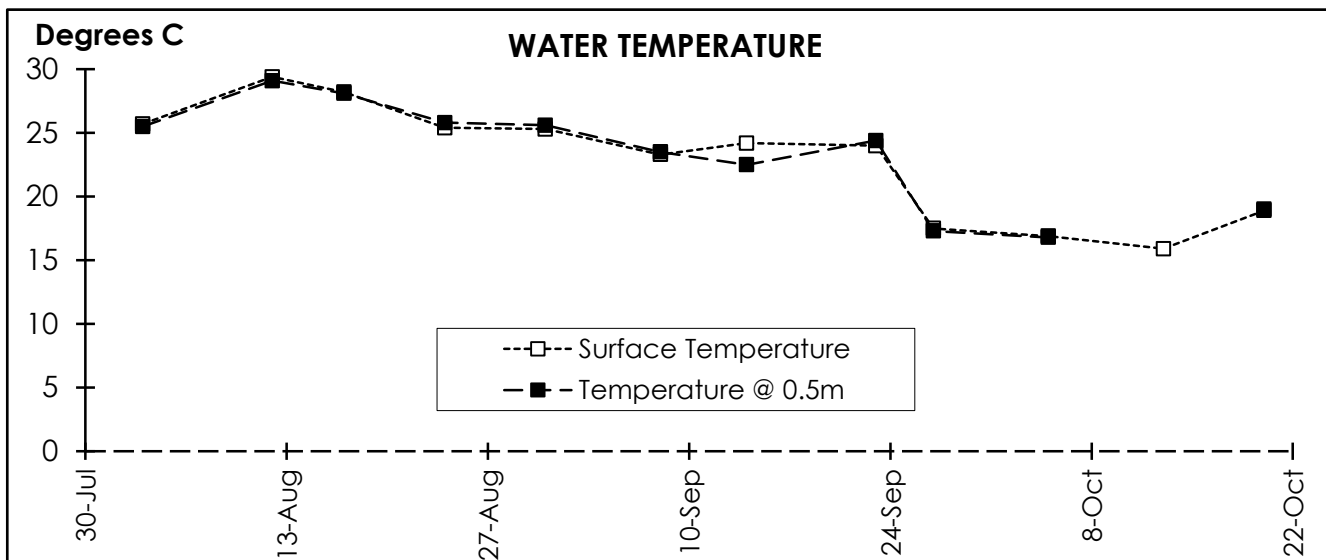
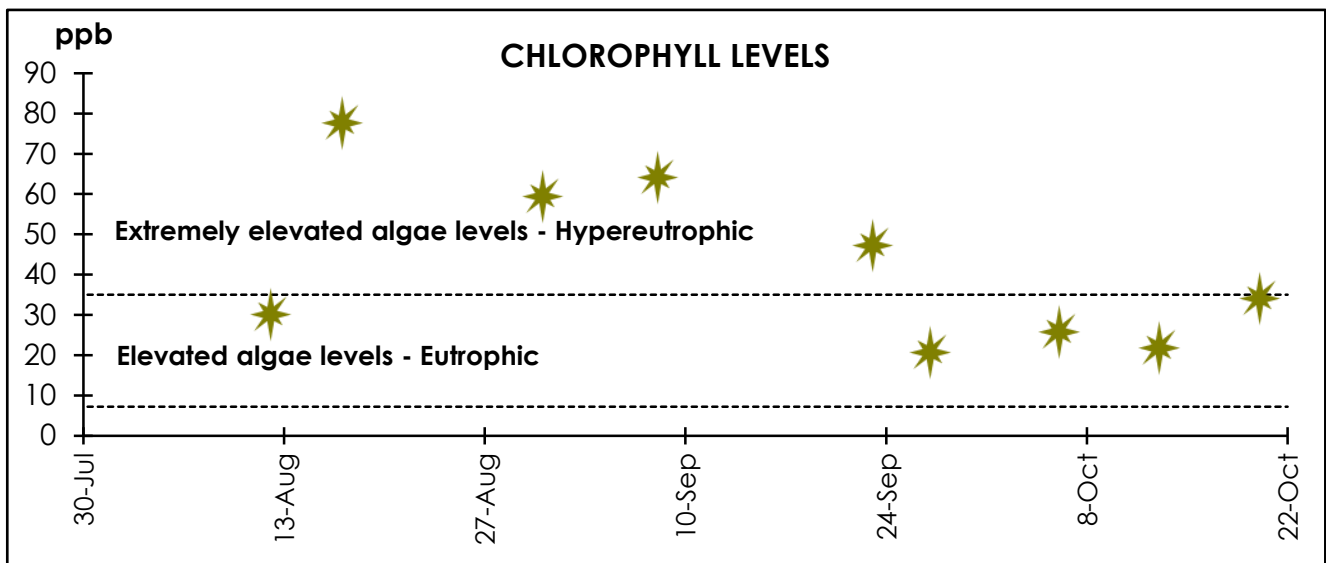
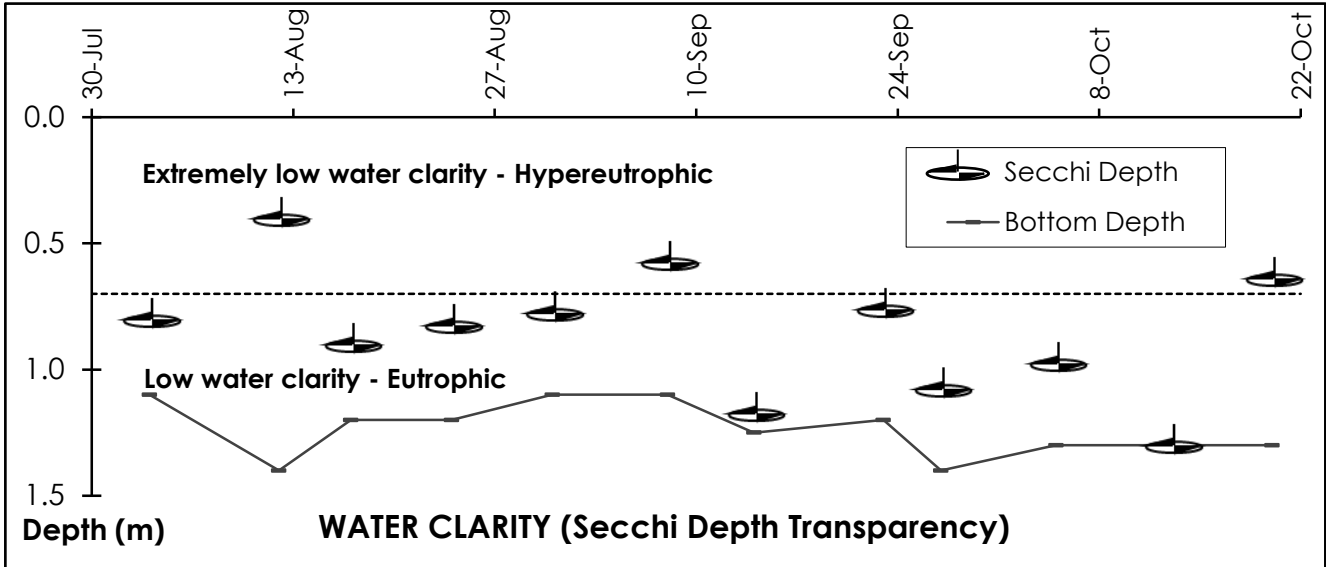


2016 Wesquage Pond



2016 WESQUAGE POND DATA

Wesquage Pond	MAY	SEPT	OCT	
	-----Total Phosphorus (ppb) -----			Mean
Wesquage Pond @ 0.5 m	-	45	31	38
	<i>RIDEM lake maximum average TP value 25 ppb CEQ recommends maximum 100 ppb TP instream</i>			
	-----Dissolved Phosphorus (ppb) -----			Mean
Wesquage Pond @ 0.5 m	-	18	8	13
	----- Total Nitrogen (ppb) -----			Mean
Wesquage Pond @ 0.5 m	-	1415	1065	1240
	<i>Rounded to 5 ppb 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
Wesquage Pond @ 0.5 m	-	ND	ND	<15
	<i>Rounded to 5 ppb 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) -----			Mean
Wesquage Pond @ 0.5 m	-	75	35	55
	<i>Rounded to 5 ppb</i>			
	----- Chlorides (ppm) -----			Mean
Wesquage Pond @ 0.5 m	-	-	-	-
	<i>Chlorides not measured because Wesquage is a brackish pond, with high chlorode levels naturally.</i>			
	----- Enterococci (per 100 mLs) -----			Maximum
Wesquage Pond @ 0.5 m	-	<10	<10	<10
	<i>RIHealth Standard for Recreational Contact: Maximum 61 Enterococci per 100 mLs</i>			
	----- pH -----			Minimum
Wesquage Pond @ 0.5 m	-	8.7	8.9	8.7
	<i>pH of 6 - 9 considered normal</i>			
	----- Alkalinity (mg/l CaCO3) -----			Minimum
Wesquage Pond @ 0.5 m	-	59.2	52.0	52.0

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)