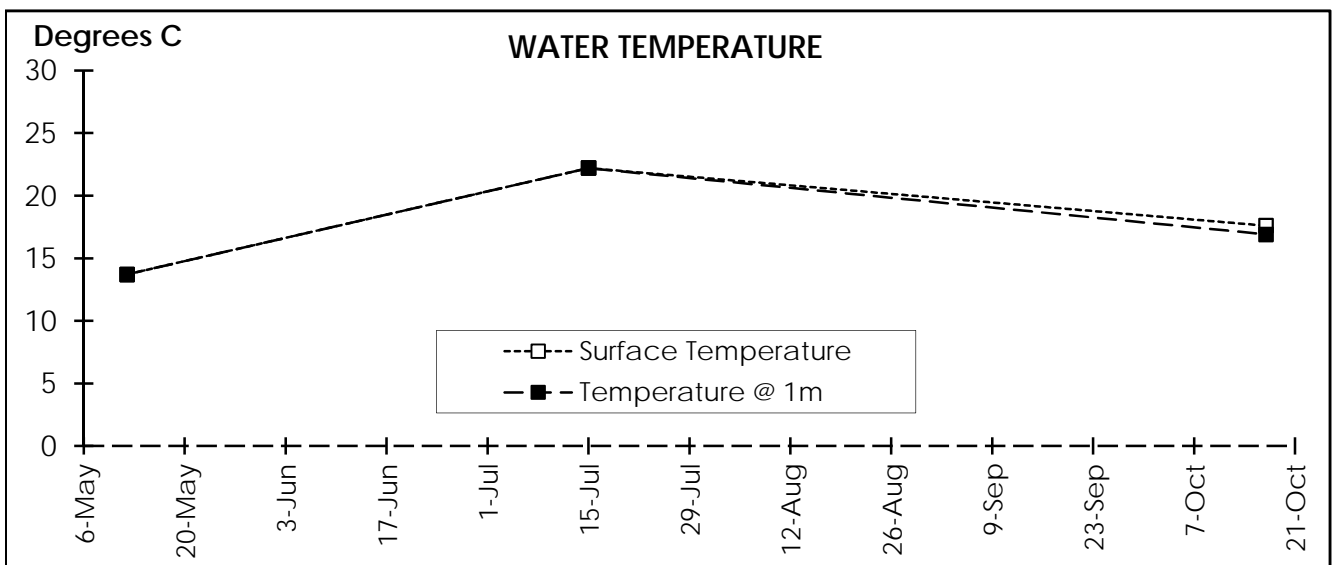
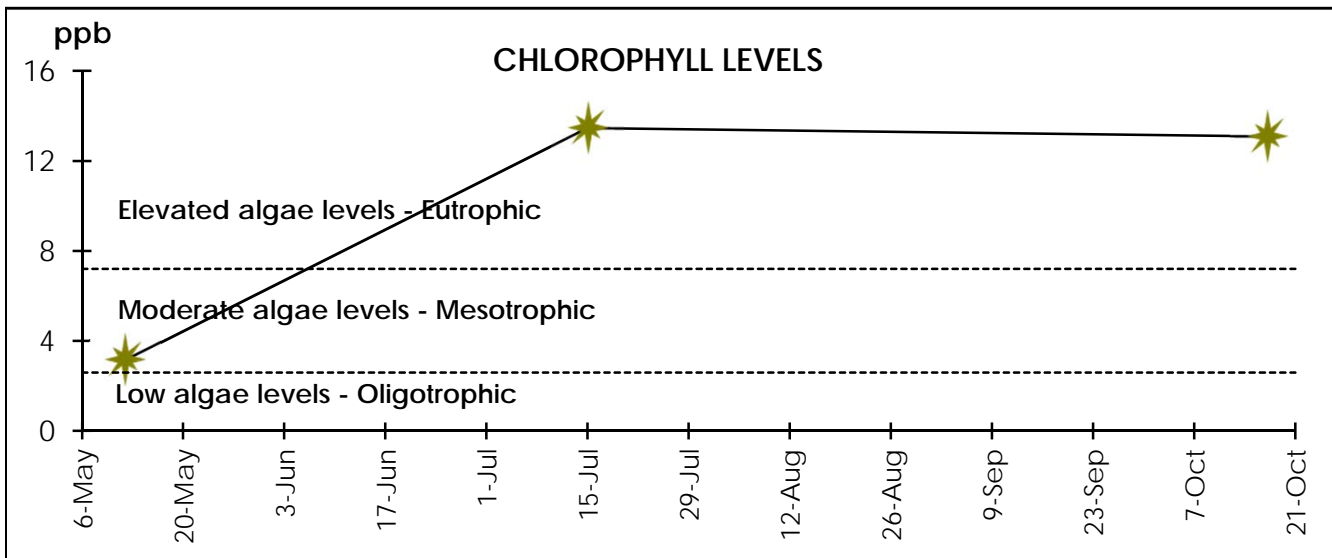
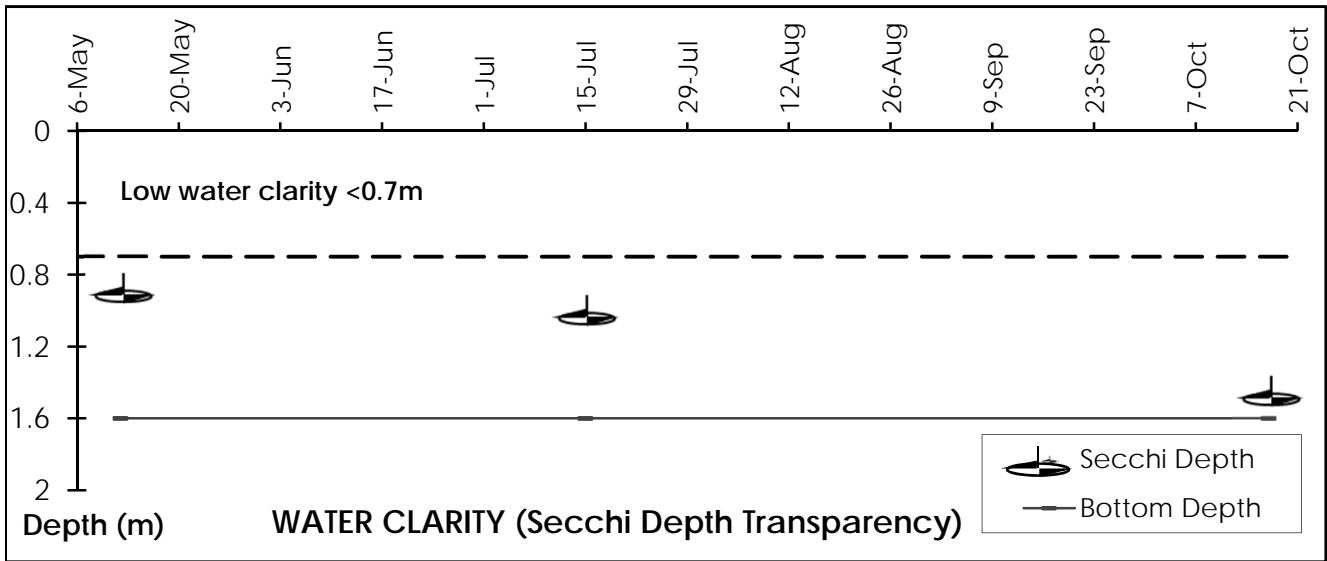


2017 Blue Lake



2017 BLUE LAKE WATER MONITORING DATA

	MAY	JULY	OCT	
	-----Total Phosphorus (ppb) -----			Mean
Blue Lake	15	24	12	17
	<i>RIDEM lake maximum average TP value 25 ppb</i>			
	-----Dissolved Phosphorus (ppb) -----			Mean
Blue Lake	<4	<4	7	4
	<i>Detection limit is 4 ppb. Mean determined with half the detection limit (2 ppb).</i>			
	----- Total Nitrogen (ppb) -----			Mean
Blue Lake	490	710	490	565
	<i>Total nitrogen levels in lakes and ponds above 750 ppb considered elevated.</i>			
	----- Nitrate-Nitrogen (ppb) -----			Mean
Blue Lake	40	25	15	27
	----- Ammonia-Nitrogen (ppb) -----			Mean
Blue Lake	100	80	40	75
	<i>Detection limit is 15 ppb. Mean determined with half the detection limit (7.5 ppb).</i>			
	----- Chlorides (ppm) -----			Mean
Blue Lake	14	-	15	15
	<i>Chlorides measured in spring and fall to assess the impact from winter road salt use.</i>			
	----- Enterococci (per 100 mLs) -----			Maximum
Blue Lake	<1	32	10	32
	<i>RIHealth Standard for Recreational Contact: Maximum 61 Enterococci per 100 mLs</i>			
	----- pH -----			Minimum
Blue Lake	6.4	6.9	6.7	6.4
	<i>pH of 6 - 9 considered normal</i>			
	----- Alkalinity (mg/l CaCO ₃) -----			Minimum
Blue Lake	6.5	11.3	12.9	6.5

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)

Blue Lake Multi-year Summary

