Clear Lake (Torrance) Water Tests - Historical Data

Test	Secchi Disk DMM Data (measures clarity of water, results are expressed in Metres) Average of 2 Tests	Secchi Disk MLA WQI Data done by CLPOA	Phosphorus DMM Data (measures nutrient levels, results are expressed in micrograms/litre) Higher Phosphorus numbers indicate higher Chlorophyll *a* which results in increased algae growth, which depletes oxygen levels as it decomposes	Phosphorus DMM Data Annual Data Note: Phosphorus tests will only be conducted in spring by the District of Muskoka after 1998. Centre of Lake only	Phosphorus MLA WQI Deepwater & Near Shore Sites Samples taken by CLPOA	Phosphorus MLA WQI Data Deepwater Sample at Centre of Lake Near shore samples taken approx. 1 foot depth from surface **Spring Data only**	Dissolved Oxygen @ 6 metres depth DMM Data measures Oxygen levels in parts per million. Higher numbers at lower depths = healthier lake, improved fishery Above 5 mg/L is good	Temperature DMM Data (celsius @ 6 metres depth)	Temperature MLA WQI Data (surface water temp.) done by CLPOA	Calcium mg/L Below 60 is soft water Above 120 is hard
# of Test Dates	**Average**	**An. Avg**	**Annual Avg.**	**Spring Test**	**Annual Avg.**	**Spring Test**			**Annual Avg.**	
1973 June	7.6		n/a	n/a			9.2	15.3		
1987 - 6 tests	8.3		6.6	7			10.7	21		
1994 - 8 tests	8.3		6.3	8			9.9	17.9		
1996 - 7 tests	7.3		7.5	2			10.4	17.6		
1998 - 7 tests	7.4		8	6			10.5	19.1		
2006 - 7 tests	6.9			6.4	6.4	12.4			21.1	3.54
2007 - 7 tests		6.5			7.8	not done			21.8	
2008 - 8 tests		4.8		6.5	8.3	6.7			19.7	
2009 - 8 tests		6.5			5.6	8.22			17	
2010 - 8 tests	6.4	7.2		7.4	5.6	6.42			19	3.86
2011 - 4 tests		7.2			6	7.23			23	3.69
2012 - 4 tests	5.4	6.1		5.8	6.3	9.63	10.6	22.5	23	3.85
2013 - 4 tests		6.1			6.2	8.4			22.3	
2014 - 4 tests	4.8	6.3		7.7	5.8	7.1	10.2	17.5	19.7	
2015 - 4 tests		6.2			7.9	13.3			21.95	
2016 - 4 tests	5.8	6		5.4	5.7	5.69			22.5	3.54

MLA WQI = Muskoka Lakes Association Water Quality Initiative - CLPOA tests

DMM = District Munc. Of Muskoka