

# Clear Lake (Torrance) Water Tests - Historical Data

Tests Done by CLPOA	Secchi Disk DMM Data (measures clarity of water, results are expressed in Metres) Average of 2 Tests	Secchi Disk <b>MLA WQI Data</b> done by <b>CLPOA</b>	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. <b>Centre of Lake only</b>	Phosphorus <b>MLA WQI</b> Deepwater & Near Shore <b>Sites Samples taken by CLPOA</b>	Phosphorus <b>MLA WQI</b> Data done by <b>CLPOA</b> Deepwater Sample at Centre of Lake Near shore samples taken approx. 1 foot depth from surface <b>Spring Data only-avg. of all sites</b>	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 <b>MLA WQI Data</b> (surface water temp.) done by <b>CLPOA</b>	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
2017 - 4 tests		6			6.3	6.15			20.9	
2018 - 4 tests		6.6		4.8	3.3 *	3.5 *			22	
2019 - 4 tests		6.2			4.6	5.03			21.5	
2020 No testing due to Covid-19 pandemic										
2021 - 4 tests	6.6	6.5		5.5	4.8	4.6	10.3		23.91	
2022 - 4 tests		5.5			4	4.2			22.4	
2023 - 4 tests	6.0 (10 yr. avg)	6.8		5.9 (10 yr avg)	5.7	4.7			22.3	
2024 - 4 tests		5.8			5.1	5.8			24	

<b>MLA WQI</b> = Muskoka Lakes Association Water Quality Initiative - <b>CLPOA tests</b> * In 2018 MLA had used a new lab for phos. testing										
<b>DMM</b> = District Munc. Of Muskoka										
Note - pH in 2021 was 6.98										