

## Environment Committee Update 8/19/22

In addition to complete data collection events, L.O.C.A. members are observing and tracking the lake water condition frequently. Deb DiMattia (H-32) has been taking secchi disk readings almost daily since mid May. Mark Vogel (C-11) takes phycocyanin meter readings from the end of his dock and around the lake several times per week. For nearly two decades Bob Hope (G-22) has continued the work Les Holland started in the 1960's tracking the water level.

On August 19, 2022, the team of Mike Flood (H-01), Gary Pomeroy (I-18), Kevin Buzdygon (C-12) and Heather Ronco (F-10) assessed the lake's condition via key parameters.

Lake clarity has increased by 5%. We are thrilled to report the lake average phycocyanin meter reading was 3! This means there is currently no toxin producing cyanobacteria. Things can change rapidly based on the weather, so please use your judgement if you observe anything questionable in the water and report it to L.O.C.A. via our secretary, Trish Pomeroy, at [locasecretary@hotmail.com](mailto:locasecretary@hotmail.com).

Our lake level continues to decrease. Be careful with your motor boats as the water can become quite shallow and there are numerous submerged rocks. New Jersey is in a drought watch. This was last needed in 2016. The state asks that we voluntarily conserve water.

	7/21/22	7/22/22	7/25/22	7/29/22	8/1/22	8/3/22	8/9/22	8/19/22
		Algaecide						
Phycocyanin	20		2	4	10	8	6	3
DO mg/l Top	8.34		5.68		7.21	7.31	7.26	6.44
DO mg/l Bottom	0.07		0.07		0.08	0.1	0.12	0.16
Water level	low		low	low	low	low	low	low
Clarity Change	-32%		27%	2%	-2%	5%	13%	5%
pH	8.8		7.2		7.5	8.1	7.8	7.5