

Report to White Lake Town Board
May 5, 2022

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LIMNOSCIENCES

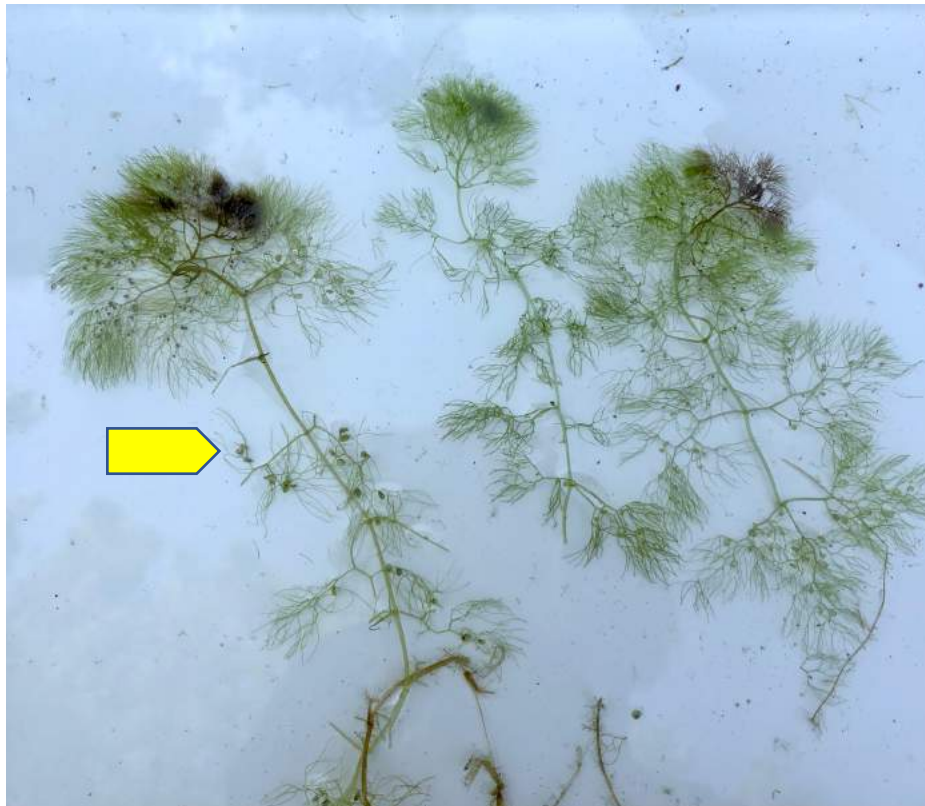
1. Lake Level Steady for April

A 2.5-inch rain a month ago resulted in a slight increase (1.2") in lake level, but by the end of the month, the lake level had returned to 64.1 feet NAVD 88. This is 6" below what it was last April, after a very wet first quarter 2021.

As temperatures continue to increase, so too will the amount of evaporation from the lake surface, and this is the driver of summer lake level declines.

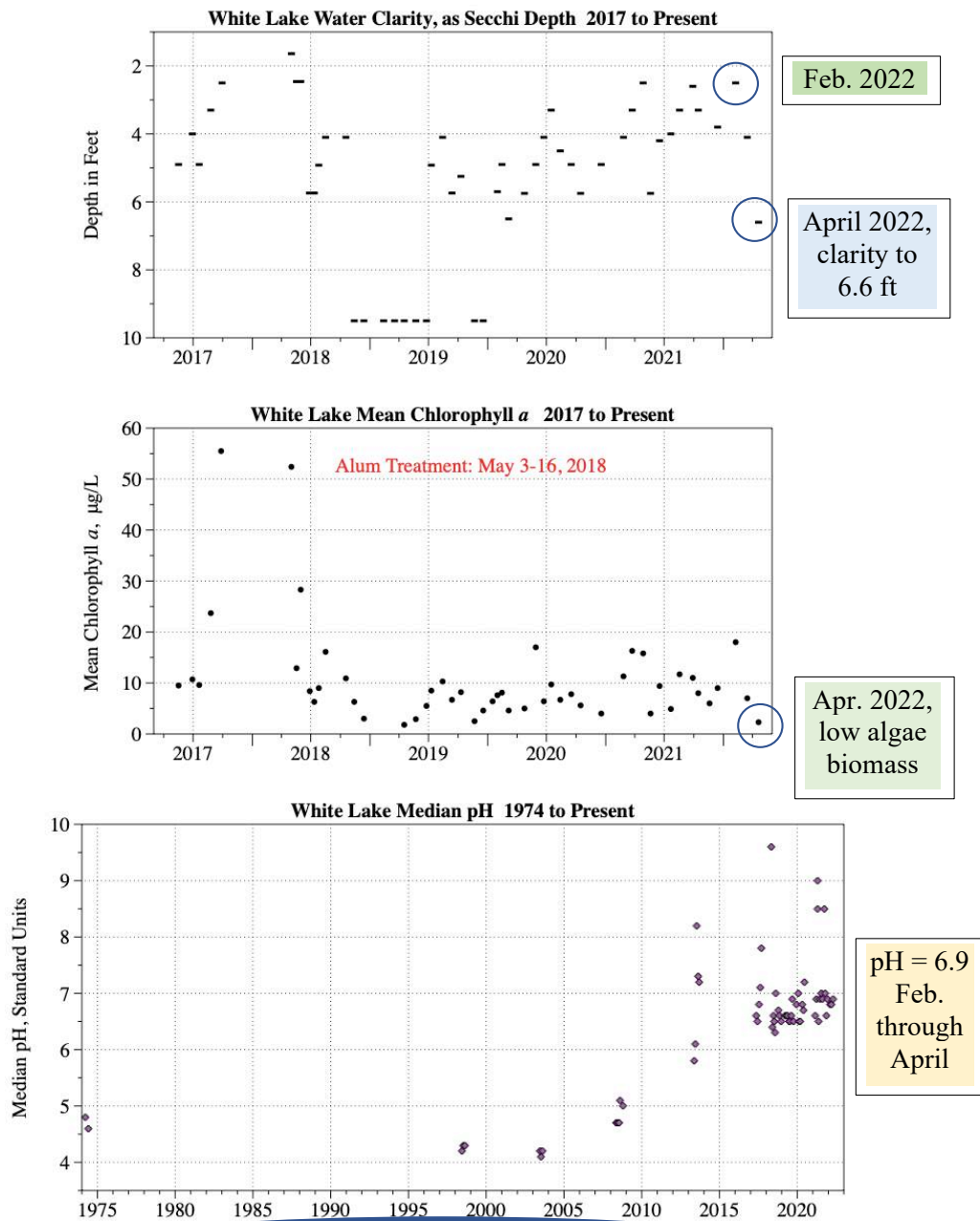
2. Bladderwort—A Special White Lake Resident

I mentioned last month that hydrilla does not seem to like White Lake, but there are other kinds of plants which are long-established neighbors. Bladderwort is so named because of the small structures—which look like tiny green bubbles--found along the stems. These delicate plants float around in the water, and when the bladders happen to encounter tiny animals, TRAP! And PRESTO, a food source for the plant has just arrived. These special carnivorous plants are found in *low-nutrient, acidic waters*, and have long been reported from White Lake.



3. Lake Clarity Trend Improved Even MORE in April—Nutrient Levels Lower

April information was posted to the White Lake Watch web site last month:



The 2022 winter/spring phytoplankton bloom was moderate and relatively short-lived, as there were no big winter rains to fertilize the lake. With little nitrogen available, phytoplankton (algae) growth is lower