

Water Assessment Committee
March 8, 2021, 1:30pm Meeting Minutes

All members attended, except Emilie Clark: Linda Murray, Abigail Adams, Warren Muir, Beth Marcoux, Steve Wingate, Andra Dekkers, Pat Tarpey was designated as stand-in for Emily Clark. Other attendees were Dr. Amanda McQuaid, NHDES, Dr. Peter Countway and Dr. Robin Sleith from Bigelow Labs, Karen Lancaster (recording secretary).

The meeting was convened at 1:30.

- **Review of Meeting minutes.**

The draft minutes that were sent out for both earlier meetings were approved unanimously. The only change from the drafts was a correction to the title for the more recent.

- **Presentations from DES and Bigelow were given by Amanda. Pete and Robin.**

Their presentations are attached in the email with these minutes.

The discussion on the biological topics resulted in the following:

- the identification of the five different types of cyanobacteria that we may want to monitor in 2021. The tentative list is
 - Gloeotrichia
 - Dolichospermum/Anabaena
 - Planktrix/Oscillatoria
 - Microcystis
 - A picocyanobacteria - Cyanobium or Synechococcus
- Peter Countway will train those on our team who will use the device here locally, probably in two different groups depending upon their Covid-19 vaccination status.
- our desire to study not only Winter Harbor's cyanobacteria conditions and trends, but also how they compare to elsewhere in Wolfeboro Waters.
- We would like to start sampling in April upon ice-out, when the lakes are turning over and when there is an influx of nutrients from stormwater runoff.
- **UNH Data:**
We have received some 2020 UNH-LLMP data for Lake Wentworth and Crescent Lake that can be used for our 2020 Assessment Summary.

- **Wake Boat Study**

Steve, Abby and Pat will be preparing a sampling and observation protocol and program design to study the impacts of large boat wakes on water quality to help inform lake associations and state officials on the issue. They will be presenting it to the subcommittee in the near future for approval.

Steve talked about strategy of collecting samples for phosphorus concentration measurements twice a day. Once in the morning when the lake is quiet and again later in the day when the lake is busy. Also sampling on a weekday and then on a weekend day. Sample off the dock in 6 to 8 ft of water. Also record the number of boats that pass by a particular line on any given day.

Abby agreed that such sampling would be feasible where she lives near the Barber Pole.

Pat Tarpey spoke about a study of wake boats that used an acoustic Doppler. How deep the wakes go is dependent on how the boats are used. It varies from three to seven feet. Pat said you can't just target the wake boats.

Andra asked about zones and Pat said if you can document damage, you can petition for no wake zones.

- **New Business**

None

- **Adjournment**

The motion to adjourn was made, seconded and passed unanimously. The meeting ended at 3:38pm

Submitted by Karen Lancaster