

Ball Pond Advisory Committee

BPAC Regular Meeting (Virtual)

Time: Feb 1, 2022 07:00 PM

MINUTES

MEMBERS IN ATTENDANCE:

Elissa Johnson (Chair)
Jim Mellett
Pete Viola
George Buck
Julian Laemmerhirt
Mary Yulo

MEMBERS ABSENT:

Monica Santos

MEETING CALL TO ORDER:

Ms. Johnson called the meeting to order at 7:00 PM

MOTION

Mr. Viola made a motion to accept the Minutes from Jan. 4, 2022

Mr. Mellett seconded the motion.

Vote: 4-0-0 (motion passed- Mr. Laemmerhirt and Ms. Yulo arrived after vote)

MOTION

Mr. Buck made a motion to accept the Minutes from Jan. 17, 2022

Mr. Mellett seconded the motion.

Vote: 4-0-0 (motion passed- Mr. Laemmerhirt and Ms. Yulo arrived after vote)

AER LAKE MANAGEMENT PRESENTATION

Ms. Johnson introduced Larry Marsicano and Mark June-Wells of AER Limnology, who reviewed their very detailed report on Ball Pond.

A recording of the presentation given by AER can be seen and heard here:

<https://youtu.be/7BwIRzJRQi8>

Questions were raised by some committee members. The public was encouraged to ask questions through Chat. For budgeting purposes, BPAC tried to keep the meeting to one hour.

AER made the following recommendations based on their findings:

Recommendations

- Use GPS to consistently find the deep site in the lake for water quality monitoring.
- Measure down to ½ meter above the bottom
- Profiles of oxidation reduction potential and relative phycocyanin concentrations
- Sodium, potassium, magnesium, chloride, and sulfate in epilimnetic waters
- Free phosphate (PO4-)
- Iron, and manganese from epilimnetic and hypolimnetic samples
- Develop a protocol to determine if and where coprecipitation is rendering phosphorus limiting to algal growth
- Develop a plan and cost estimate to establish a nutrient budget for the lake. This will be critical for the development of a lake management plan.
- Start water quality monitoring in March, even if it is to just measure temperature, oxygen, and conductivity in the water column.
- Develop a plan and cost estimate to understand the chemistry of groundwater and spring waters entering Ball Pond.
- Get feedback from the researchers of Cyanobacteria Monitoring Collaborative on the 2021 data.

A PDF of the presentation can be seen here:

<https://www.newfairfield.org/home/showdocument?id=14525&isPublished=False&t=637793460305948809>

A copy of the full report called “Ball Pond 2021 Water Quality Monitoring” by AER Aquatic Ecosystem Research

<https://www.newfairfield.org/home/showdocument?id=14523&isPublished=False&t=637793458403655280>

ADJOURNMENT

MOTION

Mr. Mellett made a motion to adjourn at 8:06 PM

Mr. Viola seconded the motion.

Vote: 6-0-0 (motion passed)

Respectfully Submitted,

Lisa Arasim

Lisa Arasim
Secretary
Ball Pond Advisory Committee