Lake Committee Minutes

January 3, 2019

Began 7:30pm and ended 8:30pm

* The minutes from the December meeting were unanimously approved.
* Chris Mikolajczyk from Princeton Hydro introduced, announces Steve Souza retirement and reviews 2018 season.
	+ Overall lake quality was moderate for most of the season. Temperature and Rainfall anomalies were noted.
	+ Despite increased rainfall, no discharge/ flushing until later in season due to lake refilling. This knocked down plant growth. No early Sonar treatment needed. Only two treatments were needed all season; in May (Tribune) to control filamentous algae and in July, with chelated copper (Captain XTR), in areas of heaviest unicellular algae. Minimal curly-leaf pondweed and naiad were observed.
	+ Proposal for 2019 is to extend monitoring by one month into October, given the weather pattern changes.
	+ Are circulators like near beach 3 effective? Chris says yes, but he is only familiar with submerged impellor systems and not compressor pumps. Solitude to provide estimate to come in with a skimmer machine to pull leaves and surface debris out.
* Kevin Shank from Solitude introduced, he has treated the lake for 3 years but with Solitude for 10 years.
	+ Curly-leaf pondweed grows in colder water, they treated early and waited for the naiad to grow. June, lack of precipitation and low levels already so naiads never became problem.
	+ Unicellular algae persisted throughout the latter season, wasn’t the harmful type. Decision to treat in a focused area, to not cause a negative chain of events, such as reduced oxygen levels impacting fish.
	+ Discussion turned toward goose control with suggestions to continue addling eggs, plant perimeter plants along shoreline property and harass them more continuously.
	+ Bob Schindler of Solitude was introduced.
* Can evergreens be put into the lake as a fish hatchery? Anchor them well with wire and several cinderblocks or they will become a nuisance. Should not be done by private owners, but rather the maintenance crew if it would be done. No major benefit seen to do this.
* Creel survey is a good idea (collect data on fish caught to provide information about the lake’s fish population).
* Consultants will look at Floc Log placement and will also measure phosphorous levels at top of inflow stream and then at the bottom, to better ascertain effectiveness of inflow measures being used (Floc Log, alum injector).
* Festival Day education booth about the lake rather than an informative lecture.
* Publish Township leaf control ordinance (not into street, not into storm drains, not into lake).
* Multitude sources for algae production: fertilizers, goose and dog feces.
* Conflicting reports on reduced fish caught this past year, why? Because plant growth lacking in 2018, fish may not have been caught throughout the lake, but rather in areas where there is structure which may be as much as 10% of the lake. Therefore, it may have been perceived there was less to catch rather than fewer locations to find them. Excessive pickerel are negatives for the fishery. NJ State declares carp, koi and goldfish cannot be put in and should be removed if caught.
* Fish Stocking plan was asked to be reviewed, primarily for trout, given the expense and short-term viability. Committee will discuss with the Fishing Club.
* Question about unusual fluctuations of oxygen levels? No, they have remained mostly constant.
* “Pesticide treated lake”, is the NJ State language on posted signs, when lake is treated with an herbicide.

**ATTENDING:**

Michael Freedman Mike Ilardi Bob Fehon Dave Sharff Pat Degnan John O’Connor

Charlie Bogusat Henry Passarotti Nolan Fehon Tom Alameda Cindy Banta Thomas Banta

Jim Devonmille Joanne Machalaba

Submitted by Joanne Machalaba & Bob Fehon. Approved by Mark Kempner (OIC)