

HLA Lake Committee Meeting

Called 6:05 PM

Members present are in bold:

Sheri Berger, Anthony Grandazzo, **Jay Cassella**, **Victoria Nicholson**, **James Nicholson**, **David Chalifoux**

Agenda:

1. Chemical Permit status, Jay has contacted the Pond and Lake Connection for permit (\$350) will verify request
2. Lake committee projects and budget needs (All)
 - AER [Aquatic Ecosystem Research] info request sent
 - Chemical treatment \$5K
 - Phragmites, 1 more annual treatment is due, TBD
 - Water testing
 - AER Consultant Company
 1. Supply Sheri with bathymetric map for AER (action item Jay)
 2. Need to verify Pond & Lake Connection bathymetric map and muck samples for content breakdown (soil, sand, gravel) acceptance (action item Sheri)
 3. Assume down select for suction dredging, can equipment get into lake (action item Sheri)
 4. Coordinate with nursery to haul material for free (action item Jay)
 5. Muck storage and dredging locations and TBD
3. Summary of conversation with Greg Bugbee [Connecticut Department of Environmental Sciences, The Connecticut Agricultural Experiment Station] on 2/14/2022 (David)
 - Muck removal is not easy
 - No solid scientific evidence to muck removal by aeration, bacteria addition in 40 years experience
 - Dredging, solid dredge is the gold standard
 - Suction dredge, performed this on Quonnapaug beach area with mats, results were reasonably successful
 - Mining for sand and gravel in the 1980's due to building boom
 1. Lakes were drained for 4 to 5 years
 2. Permitting issues
 3. Not an available option any more
 - Chemical application recommendations:
 1. Apply when plants are young
 2. Outflow reduces bio mass
 3. There is no correlation to increase in muck due to chemical use ("quite the opposite is true")
 - CAUTION BEWARE OF WASTING MONEY, Greg stated this 3 times to emphasize this point

4. Open water during extreme cold? Possible significant rain fall over summer could be supplying ground water excess
5. Lake Committee Recommendations:
 - Pursue completion of bathymetric map
 - Continue reserving \$10K/year for muck removal
 - Continue evaluating emerging technology for muck removal

Meeting Closed 7:00 PM