

NAME OF BOARD/COMM: Wayland Surface Water Quality Committee (WSWQC)

FILED BY: Jack Carr, WSWQ Committee Member

DATE OF MEETING: Tuesday 04 April 2017

TIME OF MEETING: 7:30 PM (scheduled)

PLACE OF MEETING: Wayland Town Building

ATTENDING: Toni Moores (chair), Tom Largy, Mike Lowery, Lisa Newton, Jack Carr

NOTE: All votes conducted by roll call of individual members.

Memo of Minutes

The meeting came to order at 7:30 PM. In interest of guest speaker (Solitude)we agreed to start meeting at #4 to hear Solitude presentation.

1. Approval of Minutes – Unanimously approved
2. Public Comments - none
3. Dudley Pond – Mike Lowery
 - Phosphorus pamphlet - Mike has composed a pamphlet to discuss the impact of phosphorus on our resources in Wayland and proposes distribution to the neighborhoods around Dudley and Lake Cochituate....ideally all residents impacting the watershed. Mike Lowery proposes the WSWQ board submit this pamphlet to ConCom as fulfillment of the OOC on file for tmt of Dudley pond last year . Lisa Newton motions to pass mikes proposal. All members vote in favor of mike proposal.
 - School bus parking - Mike Lowery presented a map showing School Committees plan to locate school busses on Middle school property. The letter from Dudley Pond Association details the issues shared by WSWQ. Mike Lowery is recommending that WSWQ speak with Linda Hansen at ConCom to share concerns as expressed in the letter from Dudley Pond Association. Mike presented a letter and proposed that chairpersons of both WSWQ and ConCom sign this letter and send to the school committee. All members voted in favor of Mikes proposal
 - Julia Junghanns – Director wayland Board of Health - wrote Mike Lowery asking if WSWQ and Board of Health collaborate on a letter to abutters of Dudley Pond . WSWQ board feels this is worthwhile. Allison LeClair (diver on Dudley pond) is present at tonights meeting and Ms LeClair initiated this discussion between WSWQ and BOH. Lisa Newton will work with Board of Health on behalf of WSWQ
4. Heard Pond – Tom Largy
 - Water chestnut treatment strategy is as follows
 - Get NOI now.
 - Wait and observe growth in June

- Mike Lowery moves to authorize up to \$4000 for the preparation of NOI for Heard pond. To be done at discretion of Tom Largy – custodian of Heard Pond. All members voted in favor of Mike Lowery motion.

Chemical treatment options for Milfoil – Keith Gazelle (Solitude) - Dialogue Q&A with Solitude – Keith Gazelle and Brea - review History and also discuss 2017 Contract for management of both Water Chestnut and Millfoil

Tom shares a brief overview of the 14 years of treatment by WSWQ. 2002 Chemical application to Heard pond to treat Water chestnuts. Millions harvested first year however this number decreased and hand pulling was done in subsequent years. Millfoil was not an issue when harvesting for Water chestnut was first started 14 years ago but Millfoil has obviously become a big issue for Heard Pond

Heard pond is directly connected to Sudbury river. Currently the water level is quite high. In 2010 the Sudbury river had overflowed its banks. This past year the water levels were historically low. Tom theorizes that 2016 represented a ‘perfect storm’ of sorts (low water levels in spring and summer, hot summer) resulted in early germination and continued germination of seeds through the summer start yet ultimately banner year for water chestnut occurring late summer of 2016.

2017 high water level may result in a better year this year for both milfoil and water chestnut control.

Great meadows Wildlife Reserve is abutter to the Heard pond and Sudbury River. This is a great resource for wildlife and should be considered when reviewing tmt of the pond with chemical.

Keith from Solitude inquires if the board has goals with regard to use of Solitude for weed management. Tom indicated that Dudley is a “residential pond” and tmt is managed with chemical means for most part. Mike Lowery indicates that Heard Pond is used for fishing primarily. WSWQ would like to keep the surface of the pond accessible and maintains its bucolic nature – an asset to the town. Keith indicates that Diquat is most cost effective solution to treat submersed milfoil. Diquat is a contact herbicide, fast acting and inexpensive. Will not however provide much benefit to subsequent year’s growth. Diquat will have no impact on water chestnut. Mike Lowery believes Diquat does seem to have some residual impact to subsequent year.

Floridone and 2,4,D require longer contact time to be effective

Lisa inquires that since the two bodies of water mix at time does this impact which herbicides can be used. Keith indicates that Clearcast (imazamox) is being used in Saxonville (Framingham) which is upstream of Heard pond - to treat water chestnut. Clearcast is fairly

transient and is systemic. Diquat is liquid product sprayed via tube under surface. It has half life is 3 -4 days. Diquat remains Solitudes recommendation.

Dense milfoil is estimated to be an area of about 10 – 12 acres in the north part of the pond and follows contour of pond from edge toward center . Toni asks if it makes sense to treat just these 10 – 12 acres or even less. Keith shares that Diquat is not an option for long term tmt. Mike Lowery asks what is cost to treat all the rest 20 acres of milfoil. Keith indicates \$10,000 to 12,000 to treat this. Brea indicates that Diquat will not effect fanwort or lillypads. In fact, suppressing milfoil will actually provide native species a fighting chance. Mike Lowery feels that new herbaicides such as procellacor are not an option currently for several reasons. Lisa mentioned that WSWQ does currently have about \$25,000 in funds available which gives us options. Application would be in June.

Mike Lowery makes motion for WSWQ to Request proposal from solitude for application of diquat for 15 -2 0 acre area in Heard Pond in early June. Toni seconds motion. All five board members voted in favor. Mike asks that quote include a couple of rounds of samples at day 7 and day 14.

Tom requests that WSWQC vote to authorize him to sign an NOI contract from Solitude if one is received and a WSWQC meeting is not imminent. Vote seconded and unanimously voted in favor.

Tom proposes to thank the Nyanza trustees for grant money. Tom motions the board send this letter. All members voted in favor

5. Lake Cochituate – Jack Carr

- Water levels back to normal range
- Mike Lowery mentions also that Lake Cochituate watershed council won a \$25,000 grant to come up with ways to treat invasive without the use of chemicals. Mike indicates that anyone interested with ideas should speak with Carol Berkowitz.

6. Mill Pond – Tom Largy – Discuss additional hydroraking project .

Tom will get opinion from Tom Holder DPW director on possible hydroraking of Detritus and removal of trees. Mike Lowery suggested to Tom Holder at DPW to look into actions DPW can take to clean up Mill Pond (trees, etc)

7. Committee member’s reports and concerns

EPA MS4 Permit -MS4 regulates stormwater and how it flows in towns. It requires specific monitoring and reporting of outfalls & catchbasins. The upfront costs to comply will be significant. Other towns have spent \$300,000 to comply requiring taxes to be increased. DPW will be hiring a specialist to train town on compliance. Mike has contacted Jennifer Steele ConCom director in Newton. Overall this permit compliance will improve water quality in ponds

Lisa has concerns about lack of trash containers provided by DPW to manage trash at Mansion beach. Mike Lowery indicates that Recreation committee would need to initiate this request. Lisa moves that wsWQ vote to ask Recreation to ask DPW to provide recycling container. Motion approved by board unanimous

8. Septic System O&M Mailing date – not yet set
9. Next meeting date- Next meeting Tuesday 18 April 2017
10. Invoice Approval – CW Moores – sampling Dudley pond \$53.76
11. Adjournment – 9:03 Toni motions for adjournment – All in favor.