

## Minutes of Wayland SWQC 12 June, 2013 Meeting

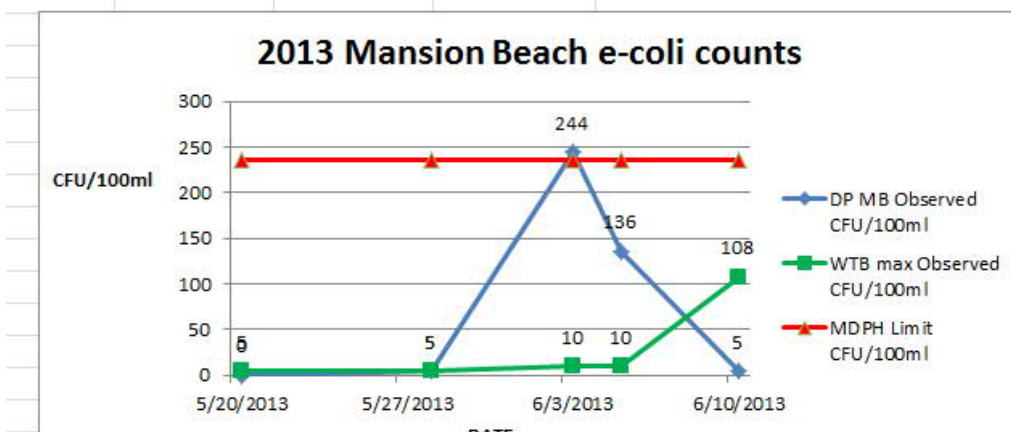
### Prepared by Bob Goldsmith

Present: Bob Goldsmith (chair), Lin Bradford, Mike Lowery, Tom Largy, Toni Moores (by telephone due to geographic distance)

All votes were by roll call.

1. The meeting came to order at 7:30 PM.
2. Minutes of the previous meeting were approved 5-0.
3. Public Comment. None
4. Dudley Pond (milfoil control)
  - a. A proposal from ACT for Triclopyr spot treatment (attached) was accepted, 5-0. Mike will meet with ConCom on 13 June to request approval to apply to about 19 acres, greater than the 5 acres in the current OOC.
  - b. New e-coli counts at Mansion Beach show a significantly lower level. The higher level previously observed is hypothesized to be due to stormwater runoff after a heavy rain carrying animal feces into the pond.

Date	DP MB Observed CFU/100ml	WTB max Observed CFU/100ml	MDPH Limit CFU/100ml	Notes
5/20/2013	0	5	235	
5/28/2013	5	5	235	
6/3/2013	244	10	235	aberration? - retest tomorrow
6/5/2013	136	10	235	retest for 6/3 (assume WTB is the same)
6/10/2013	5	108	235	



- c. As previously reported, no algal bloom has been observed.
- d. The discussion that Tom initiated previously about improved public access to the pond was continued. Mike has found an article approved at a 1935 Town Meeting that authorized this, with

land acquisition for parking. Mike will pursue to determine if any action has been taken to reverse this Town Meeting authorization.

<http://www.ecode360.com/documents/WA1635/public/76750.pdf#search=swimming swim>

5. Mosquito spraying with sumithrin near water bodies
  - a. Mike has found a new EPA label for this insecticide that indicates toxicity for aquatic organisms, including fish and aquatic invertebrates. Mike has drafted a letter, to be reviewed by the committee on 13 June, and sent to the BOH and ConCom stating SWQC's concerns about the potential harmful effect if this pesticide is carried by stormwater into the Town's water bodies.
6. Heard Pond (water chestnut control).
  - a. Tom's recent survey found very few plants.
7. North Pond.(milfoil control)
  - a. A meeting was held at DCR Lake Cochituate Hdqs to discuss the proposed Lycott project. It was decided to accept Lycott's recommendation for FY13, with the substitution of diquat spot treatment in lieu of hand pulling for a small portion of the Wayland portion of the pond.
  - b. There will likely be some funds unused for FY14, and various alternatives were discussed, such as purchase of a new capture net, application of benthic mats on small sensitive portions of the Wayland side, etc.
8. Next meeting will be next week to select contractor for spot treatment in Dudley Pond.
9. The committee voted 5-0 to adjourn at about 8:15 PM.



June 7, 2013

Wayland Surface Water Quality Committee  
Attn: Dudley Pond RFP Response  
Wayland Town Building  
41 Cochituate Road  
Wayland, MA 01778-2614

**Re: 2013 Proposal for Spot-Treatment using Renovate OTF™ in Dudley Pond, Wayland, MA**

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Gentlemen:

Please accept this as our Proposal for a Renovate OTF spot-treatment in Dudley Pond during the 2012 season. As the Wayland Surface Water Quality Committee knows, we are very familiar with the current conditions at Dudley Pond having conducted the Renovate OTF spot-treatment program in 2010 and numerous Sonar (fluridone) herbicide treatment programs in prior years. Our proposed scope of services and cost estimate follows.

**SCOPE OF SERVICES**

The following Scope of Services is for the requested spot-treatment with Renovate OTF (active ingredient triclopyr) to control Eurasian watermilfoil (*Myriophyllum spicatum*). It attempts to address all of the specific requests and conditions listed in the Request for Proposal.

- Permitting:** Aquatic Control will prepare and file an application for a DEP License to Apply Chemicals. Treatment will also be conducted in accordance with the Order of Conditions and the Wayland Chapter 194 Permit. Aquatic Control will assist WSWQC with compliance of these conditions.
- Surveys and Reporting:** Prior to and following treatment, Aquatic Control will survey the designated treatment area to visually document the aquatic plant species present and the control/impact seen following treatment. Surveys will be performed from a boat using a throw-rake, an underwater camera system and visual observation. These surveys will be coordinated with the WSWQC and the Conservation Administrator to comply with the required on-site meetings. The treatment area boundaries (pre-treatment) and location of any surviving EWM (post-treatment) will be recorded using a GPS unit and data will be mapped using ArcView GIS software.
- Following the post-treatment survey, Aquatic Control will prepare and submit a written report that provides a) a description of the treatment, b) plant response observed, and c) on-going management options and recommendations to control EWM and other invasive aquatic plants.
- Notifications:** Prior to treatment, Aquatic Control will provide the WSWQC with 100 laser-printed 8 ½ x 11 warning signs on colored stock that detail the treatment date and water use restrictions to be imposed following treatment. A notification of treatment suitable for public dissemination will also be prepared and provided if requested.
- Herbicide Treatment:** Renovate OTF (triclopyr granular) will be applied to the designated and agreed upon treatment areas. The granular product will be applied using a calibrated spreader or eductor distribution system. Either Marc Bellaud or Michael Lennon will be present to perform and oversee the treatment. An airboat equipped with the proper application equipment will be used for the treatment. A Differential/WAAS GPS system will also be used for real-time

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**Aquatic Control Technology**

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navigation during the treatment and to insure that the herbicide is applied within the designated treatment areas.

In Appendix A of the Request for Proposal (RFP), there are six distinct treatment areas that range in size from 2.0-6.4 acres. The six areas total 18.9 acres. The RFP lists an application rate of 215 pounds of Renovate OTF per acre. This rate is consistent with the application rate used during the 2010 spot-treatment and should provide a targeted concentration of approximately 2 ppm in the bottom four feet of the water column. The total amount of Renovate OTF to be applied will be 4063.5 pounds.

Treatment will be scheduled and performed on a date mutually agreed to by the WSWQC and Aquatic Control. A mid-week treatment between mid-June and late June is anticipated. We understand that the actual date of treatment will be determined by visual inspection of actively growing EWM. We further understand that WSWQC will be responsible for the tasks listed in the RFP.

**Herbicide Residue Monitoring:**

Aquatic Control will provide the WSWQC with sample bottles, chain of custody forms and instructions for the collection and shipment of samples to SePRO for their FasTEST immunoassay procedure. WSWQC will be responsible for sample collection and shipping to SePRO via overnight delivery. Analytical costs will be billed through Aquatic Control's existing account with SePRO. The Town would be charged SePRO's list price for these services.

**Tentative Schedule of Performance:**

<b>Task</b>	<b>Estimated Date of Completion</b>
Permitting & Planning	June 2013
Pre-treatment survey	June 2013
Herbicide treatment	TBD mid-late June 2013
Post-treatment survey	July – September 2013
Year-End Reporting	October 2013

**COST AND PAYMENT SCHEDULE**

Costs shown below are inclusive of all tasks described above in the Scope of Services.

- Prepare and file DEP License to Apply Chemicals .....\$100
- Pre-treatment survey, on-site meeting, prepare final treatment map and treatment plan, provide 100 laser-printed 8.5 x 11 inch warning signs .....\$650
- Post-treatment survey and year-end report .....\$500
- FasTEST analytical cost (laboratory services) @ \$100/sample, assumes 4 analyses.....\$400
- Renovate OTF treatment of 18.9 acres at 215 lbs/ac (4063.5 lbs total), inclusive of all chemical, equipment and labor for application .....\$16,825

**TOTAL PROJECT COST .....\$18,475**

Our requested payment schedule is that 90% of the final agreed upon contract amount will be billed following treatment. The balance of 10% will be billed following submission of the year-end report. Payment is due within 30 days of receipt of an invoice, unless alternate arrangements are agreed to in advance.



#### STATEMENT OF GUARANTEE

Where the Renovate OTF application rates is stipulated by the WSWQC, we cannot guarantee a 95% EWM biomass reduction in treated areas will be maintained through the end of the 2013 season, even though we probably achieved that level of control following the 2010 treatment. We will guarantee >95% EWM control within six weeks of the treatment, but Renovate OTF herbicide may not be completely lethal to the EWM root crowns, and there may be viable green shoots evident by late summer as the plants try to recover. Short of budgeting for a second treatment, achieving greater than an 80% EWM biomass reduction would be more in-line with standard industry practices for this type of spot-treatment program and is a level that we can guarantee.

We are confident that the proposed treatment program will result in excellent control of milfoil. Should you have any questions regarding our Proposal, please feel free to contact me.

Sincerely,

**AQUATIC CONTROL TECHNOLOGY**



Marc D. Bellaud  
President/Aquatic Biologist