

Minutes of Wayland SWQC 7 May, 2013 Meeting

Prepared by Bob Goldsmith

Present: Bob Goldsmith (chair), Lin Bradford, Mike Lowery, Tom Largy, Toni Moores (by telephone), four members of the Arlington Spy Pond Association (Brad Barber, Bill Eykamp, Steve Ricci, Jakob ??)

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. Spy Pond Association discussion. About a one hour discussion to share milfoil control experiences was held with the Spy Pond Association members. The discussion was much appreciated by all and has led to the exchange of many technical articles on milfoil control
5. Dudley Pond (milfoil control)
 - a. RFP for Triclopyr spot treatment was approved 5-0 and will be issued to Lycott and ACT. As the area to be treated (ca. 19.5 acres) is greater than 5 acres previously approved by ConCom, ConCom will need to approve treatment. Mike will handle. RFP is attached.
 - b. Ted and Allison have been hand pulling, with about 2,000 plants removed.
 - c. Lisa Newton was thanked for collection of samples for E. Coli analyses.
6. Heard Pond (water chestnut control).
 - a. Nothing to report
7. North Pond.(milfoil control)
 - a. The cost shared program award is yet to be made by DCR to the winning bidder, about one-month after being chosen by the Source Selection Committee. Mike will pursue by contacting Tom Flannery and going up the management ladder, as needed. In the interim, the weed capture barriers have not been deployed and milfoil fragments are flowing into North Pond.
8. An invoice from Nashoba Analytical for chemical analyses of \$1,539 was approved 5-0. An invoice from Lin Bradford for materials and parts for the North Pond fragment capture barrier "groins" for \$118.42 was approved 5-0.
9. Next meeting is May 21st.
10. The committee voted 5-0 to adjourn at about 9:00 PM.



Town of Wayland Massachusetts

Surface Water Quality Committee

May 7, 2013

Wayland Surface Water Quality Committee

Town of Wayland
41 Cochituate Road
Wayland, MA 01778

Subject: Request for Proposal
Spot Treatment using Renovate OTF™ in Dudley Pond, Wayland, MA

Gentlemen:

This letter is a request for proposal from the Wayland Surface Water Quality Committee, Town of Wayland for a 2013 spot treatment of approximately 19.5 acres of Dudley Pond using the aquatic herbicide triclopyr, trade name Renovate OTF™.

Background:

Dudley Pond is an 86 acre water body, entirely within the Town of Wayland. It is within the Zone II well-recharge area of Wayland's Happy Hollow wells. Most of Dudley Pond is 4-8' deep, with the exception of the 'deep hole' – see bathymetry in Appendix B. The pond is surrounded by roughly 120 homes, with private septic systems. There are four main outfall pipes and one stream leading into the pond. It has a 335 acre watershed and a 1.5 year hydraulic residence time.

Dudley Pond has a persistent and aggressive infestation of Eurasian Water Milfoil. Over the last 20 years, the pond has been treated with fluridone four times.

The pond was last treated with fluridone by Aquatic Control Technologies in 2008 for a 120 day period at an average 12ppb concentration over that period. Approximately 15 acres of the pond was spot-treated by ACT with triclopyr (Renovate OTF) in 2010.

Over the prior four years, the Wayland Surface Water Quality Committee has undertaken a significant hand-pulling program to remove EWF by the roots. Our goal is to institute a long-term nutrient reduction program and to use spot treatment and hand-pulling to lessen the herbicide requirement to control this infestation.

In 2012, we hand-pulled 38,191 plants -- more than twice that of any other year. At season-end we knew that we had not succeeded in pulling all remaining plants.

Below is the five year management history:

	A	B	C	D	E	F	G	H	I	J	K	L
1		HAND PULLING				HERBICIDE				Total		Weeds Left
2		PLANTS	HOURS	COST		AGENT	AREA	COST		Cost		at Yearend?
3	2008				2008	fluridone	whole lake	\$49,070		\$49,070	2008	
4	2009	18237	358	\$14,320	2009					\$14,320	2009	YES
5	2010	6145	297	\$11,488	2010	triclopyr	18.5 acres	\$13,875		\$25,363	2010	
6	2011	10485	274	\$10,760	2011					\$10,760	2011	
7	2012	38191	655	\$29,486	2012					\$29,486	2012	YES
8	2013	6000	300	\$12,000	2013	triclopyr	19.6 acres	\$16,000		\$28,000	2013	

Our end of year 2012 season and our 2013 starting conditions indicate more re-growth than we believe can be effectively controlled with hand-pulling; so we see a spot treatment as allowed under our existing Order of Conditions. Just as in 2010, in 2013 we have already begun hand-pulling some areas both before treatment and anticipate continued hand pulling after the herbicide treatment.

Request for Proposal:

We would like your bid for a late-May to early-June treatment, date to be determined by visual inspection of actively growing EWM, and further described below:

Your proposal should include:

- A pre-treatment inspection of the areas, as required by the Order of Conditions including on-site meeting with the Conservation Administrator or his designee.
- Herbicide, labor and services for treating areas 1-6 shown in Appendix A at the suggested concentrations.
- 100 laser-printed 8 ½ x 11 warning signs on colored stock detailing the treatment dates and limitations, suitable for outdoor posting by staple gun.
- Preparation and filing of the DEP License to Apply Chemicals.
- Any necessary EPA/NPDES filings
- Provision of supplies and analytical services necessary to establish concentrations at the end of the treatment period (triggering removal of sandbags at the outflow)
- A season-end report for inclusion with our annual report to the Wayland Conservation Commission under the Order of Conditions.
- A guarantee of 98% biomass reduction in treated areas through the end of the 2013 season.

To be provided by the WSWOC:

- Sandbagging the Dudley Pond outlet weir during the treatment period, and monitoring.
- Posting of the warning signs as required by the Order of Conditions
- Filing the year-end report described by the Order of Conditions

- Day-of-treatment measuring of dissolved oxygen, pH, and water temperature as required by MGL Ch 131 Section 40 Condition 29.
- 45 day post-treatment measuring of dissolved oxygen, pH, and water temperature as required by MGL Ch 131 Section 40 Condition 32.

Attached is the 2012 Dudley Pond Report to the Wayland Conservation Commission, and the 2008 Order of Conditions (DEP 322-698) for this proposed spot treatment.

Please address any questions to lowery.mike@gmail.com (questions and responses will be shared with all potential suppliers.)

We look forward to receiving your proposal. Please send one copy of your proposal in PDF form by email to: lowery.mike@gmail.com, and Wayland.SWQC@gmail.com; and one copy in printed form to:

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

Your proposal should anticipate compliance with

- Terms and Conditions required by the Town of Wayland, including a 10% hold back for delivery of final report.
- The Order of Conditions and any amendments thereto as issued by the Wayland Conservation Commission.

All proposals should be emailed by Friday May 17th. We anticipate making the selection by May 21st.

Very truly yours,

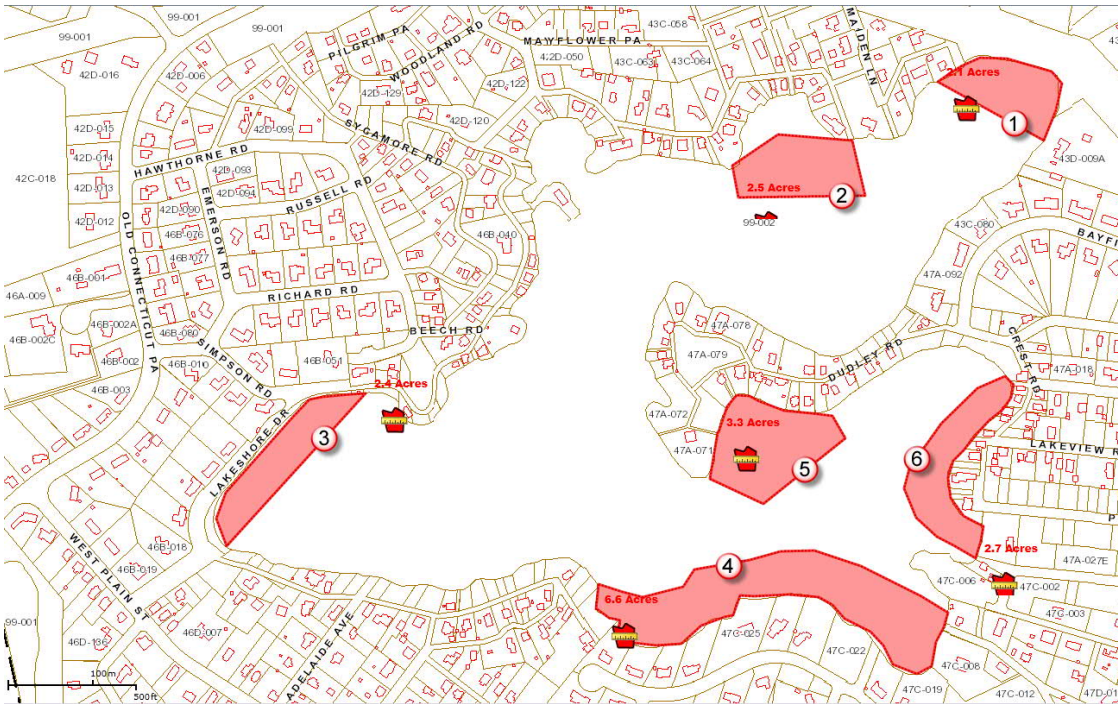


Michael P. Lowery
Project Manager, Dudley Pond
Wayland Surface Water Quality Committee

cc: WSWQC members

Brian Monahan, Wayland Conservation Commission
 Frederic E. Turkington Jr., Wayland Town Administrator

APPENDIX A – Proposed 2013 treatment areas



Depths in these areas range from 3-

Area	Approx. Acres	Dose (#/acre)	Est. Max Depth
1	2.1	215	5'
2	2.5	215	8'
3	2.4	215	6'
4	6.6	215	10'
5	3.3	215	8'
6	2.7	215	7'
Total areas	19.5		

APPENDIX B – Dudley Pond Bathymetry

