



Town of Wayland Massachusetts

Surface Water Quality Committee
41 Cochituate Road
Wayland, MA 01778

July 23, 2019 (v4.3)

2019 DUDLEY POND HERBICIDE TREATMENT

This year the Surface Water Quality Committee will be treating 42.8 acres of Dudley Pond with the herbicide ProcellaCOR to control the aquatic invasive plant Eurasian Milfoil on Tuesday July 30th, 2019 in one area, and on Tuesday August 13th in a second area.

SWQC's preferred method of managing invasive plants in Dudley Pond is diver-hand-pulling of Eurasian milfoil and mechanical cutting of tape grass. We use herbicide only as a last-resort in areas where we know we cannot control milfoil with diver-hand-pulling. 2019 is the fourth year after the last herbicide spot treatment.

This year we plan to use a new herbicide agent 'ProcellaCOR™' from SePRO which we feel is safer, faster-acting, requires smaller amounts of product, and is more effective against milfoil.

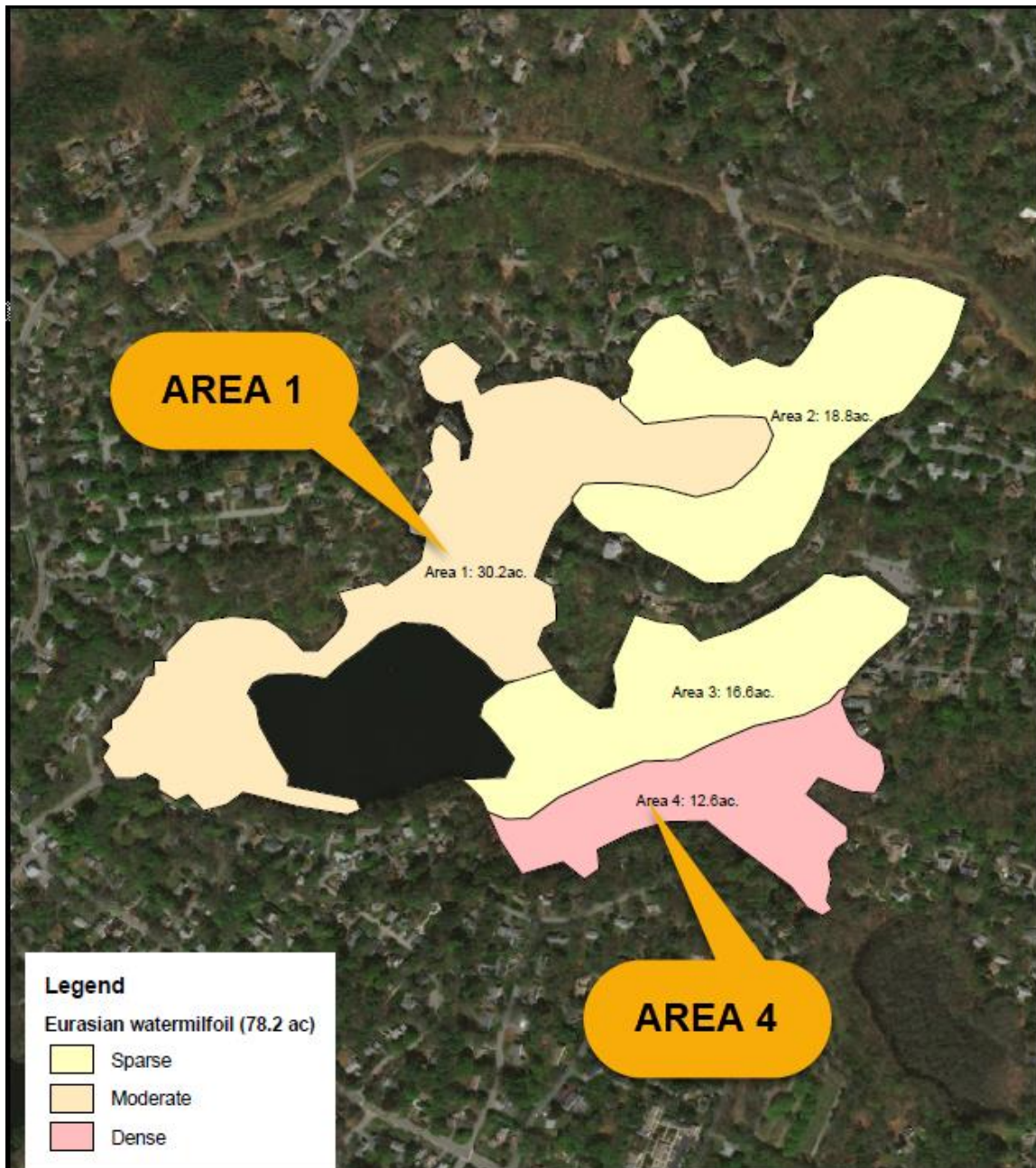
The herbicide will be applied by [Solitude Lake Management](#), who has done other herbicide treatments and aquatic invasive management for the town. The herbicide is in liquid form and is mixed with pond water and injected through hoses under the water. The applicator boat has a recording GPS to document the areas treated.

We expect the plants to drop over 14 days. The herbicide concentration is expected to be undetectable in 2-6 days after treatment.

TREATMENT AREAS:

Areas 1 (orange) and 4 (red) areas on this map will be treated:

https://drive.google.com/file/d/1SASKSVVxwwJWth_yvv_plWml0t0J8fBR/view?usp=sharing



Although there may be herbicide effects on weeds outside the treated areas, we expect to manage the yellow areas (2 and 3) with diver-hand-pulling.

Area 4 will be treated on Tuesday, July 30th.
Area 1 will be treated on Tuesday, August 13th.

NOTIFICATION POSTER:

A day or two before each treatment you will see orange treatment posters around the pond:

WARNING

DUDLEY POND WILL BE / HAS BEEN TREATED WITH **ProcellaCOR** (Florpyrauxifen-benzyl) HERBICIDE FOR CONTROL OF INVASIVE EURASIAN WATERMILFOIL ON THE FOLLOWING DAY:

Tuesday, JULY 30, 2019

- ◆ **DO NOT SWIM** IN DUDLEY POND UNTIL **Thursday, AUGUST 1, 2019**
- ◆ AS THIS IS A NEW AGENT, THE WAYLAND BOARD OF HEALTH RECOMMENDS **THAT PREGNANT WOMEN AND PREADOLESCENT CHILDREN NOT SWIM/WADE IN THE POND FOR 2 WEEKS POST-APPLICATION.**
- ◆ **DO NOT USE** POND WATER FOR DRINKING OR FOR WATERING FLOWERS, GARDENS OR CROPS UNTIL THESE SIGNS HAVE BEEN REMOVED.

FOR FURTHER INFORMATION:

Michael Lowery
Wayland Surface Water Quality Committee
41 Cochituate Road, Wayland, MA 01778
(508) 397-8828
mlowery@wayland.ma.us

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Solitude Lake Management
590 Lake Street Shrewsbury, MA 01545
(508) 865-1000
ksliwoski@SolitudeLake.com



THIS CHEMICAL TREATMENT IS BEING CONDUCTED PURSUANT TO THE FOLLOWING PERMIT:
WAYLAND ORDER OF CONDITIONS AND CHAPTER 194 PERMIT (MassDEP #322-0859)

We will remove these posters after tests show no detectable concentrations of the herbicide.

PRECAUTIONS:

These posters contain a new recommendation from the Wayland Board of Health that pregnant women and preadolescent children do not bathe/swim in the pond for 2 weeks after the herbicide treatment.

Although federal and state regulatory authorities classify this herbicide as having a lower risk profile than other alternatives, and its approved labeling has no limitations for swimming/bathing after treatment, the Board of Health felt that since ProcellaCOR did not yet have a history of use in Massachusetts they would recommend this extra caution.

No boating is allowed on the Dudley Pond during the treatment itself.

As always, when we use an herbicide, we dam the outlet weir by the aqueduct which flows to Dudley Brook.

SWQC will sample the herbicide concentration at 2, 7, and 20 days, and thereafter until we determine its concentration is below 1.0 µg/L (one part per billion). At that time SWQC will remove the treatment posters, and un-dam the outlet.

SWQC will also measure water temperature, pH, and dissolved oxygen in the water at 2, 7, and 20 days.

Each year we test raw water from the Happy Hollow wells for herbicide residuals. No residuals have ever been detected. We will continue this practice.

Abutters please note:

No dumping and/or composting are permitted within 100' of a wetland or pond. This shall be noted on the Certificate of Compliance when it is issued. Abutters to Dudley Pond shall be made aware of this restriction and the fact that these activities are a violation of Chapter 194 subject to action by the Commission including non-criminal penalties in the amount of \$300 for each infraction.

PROCELLACOR – more information:

ProcellaCOR is a newly registered herbicide in Massachusetts.

ProcellaCOR was chosen for its lower toxicity profile, fast action and short time in the water and its selectivity for Eurasian Milfoil. It is taken up quickly and mimics a growth hormone in milfoil causing plants cells to elongate and weaken rapidly.

The manufacturer SePRO offers a product-replacement guarantee that treated areas will remain 90% plant-free for 3 years.

The active ingredient in this herbicide degrades in sunlight in 2-6 days

The specimen label for ProcellaCOR EC can be found here:

<https://drive.google.com/file/d/1L--leuQxnH5ZKGvQ9mx3FpWJ0-xgC98T/view?usp=sharing>

The safety data sheet for ProcellaCOR EC can be found here:

<https://drive.google.com/file/d/1ZNlrLXOcGkmD0qrj2qtJhJ1tGhd95r78/view?usp=sharing>

A description of ProcellaCOR on the SePRO website:

<https://www.sepro.com/aquatics/procellacor>

A technical presentation on ProcellaCOR by the manufacturer SePRO can be found here:

<https://drive.google.com/file/d/1TBw6vxxgK-ZURhglZODbBT2ShSy8CED3/view?usp=sharing>

The Dudley Pond Association has voted annually to reimburse the town 25% of invasive management costs for Dudley Pond. Without the DPA's support for weed removal, this treatment might not be possible. The DPA has also helped by distributing this information by email.

If you have any questions, please contact:

Mike Lowery / Wayland Surface Water Quality Committee

mlowery@wayland.ma.us

508-397-8828 mobile