

February 13, 2006

Mr. Stephen E. Cotton, President
Foster's Pond Corporation
19 Pomeroy Road
Andover, MA 01810

Re: Management Recommendations for Dredged Basin off of Glenwood Road - 2006

Dear Mr. Cotton:

During last year's Sonar Treatment Program at Foster's Pond we inspected the dredged basin off of Glenwood Road, which was not part of the 2005 treatment area. Under low water conditions, an earthen berm separates this basin from the main body of Foster's Pond.

One of the riparian owners around the basin reported nuisance weed growth. We surveyed the basin with you on August 11, 2005 by canoe and again on September 14, 2005. Two non-native and invasive aquatic plants, fanwort (*Cabomba caroliniana*) and Brazilian elodea (*Egeria densa*), were found growing in sections of the shoreline littoral area. Both species can be spread through fragmentation and could reinfest the main body of Foster's Pond or serve as a potential source for other area waterbodies if they are left unmanaged. Both species are effectively controlled by Sonar (fluridone) herbicide and we recommended treatment in our 2005 project completion report. Various elements of the treatment program are summarized in the following sections.

Morphology – Glenwood Road Basin

Surface Area: 3.9 acres
Average Depth: 10 feet (estimated)
Maximum Depth: 15 feet (estimated)
Outflow: Outflow to main body of Foster's Pond during high water conditions

Herbicide Selection

Sonar (active ingredient fluridone) effectively controls both non-native species found in the Glenwood Road Basin. A treatment program will utilize either the liquid formulation AS (aqueous suspension); the pellet formulations PR (precision release) or Q (quick release); or a combination. Final selection of the herbicide formulation will be made depending on water levels and the extent of the infestation observed this year.

Dose Calculations

Treatment dosages will be calibrated to maintain a fluridone concentration between 10-20 ppb in contact with the target vegetation for a period of 45 days or longer. Following the initial treatment, one or two booster applications may be needed.

Application Methodology

Treatments will be performed by MA Commercially Certified aquatic applicators. Treatments will be performed from a 12 foot jon boat that can be carried into the Glenwood Road Basin. The concentrated

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liquid formulation of Sonar will first be diluted with pond water in a 50-gallon spray tank on board the spray boat. The herbicide solution will then be evenly injected subsurface through a calibrated pumping system. Pellet formulations of Sonar would be evenly broadcast using a small blower or spreader.

Treatment Timing

Timing of the initial application will be determined following a pre-treatment inspection in early May. The primary factors that will determine the actual application schedule include the stage of plant growth and amount of outflow. Treatment would most likely be initiated in May or early June. The 2005 treatment of the main pond was initiated on June 6, with booster treatments on June 21 and July 14; a similar schedule may be anticipated for the Glenwood Road Basin.

FasTEST Monitoring

As was done last year, monitoring Sonar concentrations following the initial application will be necessary to insure that the target concentration was reached and to guide the timing and concentration of booster applications. Sampling rounds will likely be required at 2-3 week intervals following each treatment. Samples will, as was done last year, be collected by FPC and will be shipped via overnight delivery directly to SePRO (manufacturer of Sonar) for analysis. Results should be available within 48 hours of shipment, which will enable timely scheduling of booster applications.

Notification and Water Use Restrictions

Sonar herbicide has an excellent toxicology profile. The only use restriction listed on EPA product label for all three formulations is a precaution against using treated water for irrigation for a period of 30 days following each treatment. It can even be applied directly to potable (drinking) water sources. Although no restrictions on swimming, fishing or other recreational activities are required by the product label following treatment with Sonar, we have recommended – and the Andover Board of Health has approved – the following temporary water use restrictions: no boating, fishing, or swimming in the treated water on the day of treatment. Accordingly, prior to all treatments, the shoreline of the basin will be posted with signs that warn of the temporary water use restrictions.

Additional Permits

This treatment program is subject to the Superseding Order of Conditions (DEP File # 090-0535); the Amended Special Conditions are attached to this letter. We will prepare and file for a site-specific License to Apply Chemicals (BRP WM 04), which is issued by DEP annually on a project-specific basis. Pursuant to Special Condition 12.19, a copy of this License will be provided to the Conservation Commission prior to treatment.

We trust that this information will address many of the questions raised about the proposed treatment of the Glenwood Road Basin. Of course do not hesitate to contact our office if you have questions or require additional information.

Sincerely,

AQUATIC CONTROL TECHNOLOGY, INC.



Marc Bellaud
Senior Biologist