

AQUATIC CONTROL TECHNOLOGY

2015 Invasive Wetland Plant Management Report Butler Pond Quincy, Massachusetts

In accordance with the Order of Conditions, DEP File # 059-1246 (Quincy), we are pleased to provide this summary report of the 2015 management program for Butler Pond. The following sections detail work, including an herbicide application and survey, conducted to control invasive Common Reed (*Phragmites australis*) and Japanese Knotweed (*Fallopia japonica*).

Pre-Management Survey

Aquatic Control conducted a pre-management survey of Butler Pond on June 29th, 2015. The Common Reed infestation consisted of three small stands on the western edge of the pond, a moderate stand on the southern edge of the water near Merrymount Road, and a patch abating Butler Road. A small patch of Japanese Knotweed was observed in the wooded area between Butler Road and Butler Pond. Please refer to **Image 1** and **Image 2** for photos of these areas.



Image 1: Pre-management photo of Common Reed on the western side of Butler Pond, taken June 29th, 2015



Image 2: Pre-management photo of Japanese Knotweed on the northern side of Butler Pond, taken June 29th, 2015

Permit Information

Orders of Conditions	
DEP File #.	Expiration Date
059-1246	11/03/2017

MA DEP License to Apply Chemicals for Control of Nuisance Aquatic Vegetation	
Application Submitted	Permit #13272 Received
09/21/2015	09/23/2015

Treatment Notifications

Notification of the herbicide application scheduled for September 25th, 2015 was sent to the Conservation Commission as well as Friends of Butler Pond (FOBP) on September 22nd, 2015.

Herbicide Application

On September 25, 2015 two Massachusetts licensed pesticide applicators from Aquatic Control posted the management area and proceeded to perform the foliar herbicide application to the remaining Common Reed stalks and Japanese Knotweed.

Treatment Date	Herbicide	Target Invasive Species
09/25/2015	AquaPro	Common Reed and Japanese Knotweed

The herbicide, AquaPro (glyphosate), specially formulated for use in and around aquatic sites and wildlife habitat areas, was premixed with water and Cide-Kick II (d'limonene and related isomers plus selected emulsifiers), a sticking agent, activator and penetrant, per label instructions. The herbicide solution was applied topically to the target plants utilizing a backpack sprayer.

On September 25th, 2015, Aquatic Control notified Massachusetts Division of Fisheries and Wildlife and MassDEP that the herbicide application had been performed to Common Reed and Japanese Knotweed in accordance with the MassDEP issued License to Apply Chemicals and the General Conditions.

Recommendations

Aquatic Control recommends periodic monitoring in the future to make sure that no new growth occurs. Native beneficial vegetation has re-established around the shoreline of the pond. Monitoring and management is prudent at this stage, to make sure that the management areas stay free of Common Reed and Japanese Knotweed throughout Butler Pond.

Please contact us if you have any questions or require additional information.

Sincerely,



Jeffrey J. Castellani

Director of Mechanical Operations