

**2017 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 2017 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

SOLitude conducted a pre-management survey of Butler Pond on August 22nd, 2017. The Common Reed infestation consisted of two large stands located along the northern shoreline of the pond, with a small stand found along the southern edge near Merrymount Road. In addition to these stands, a few small stocks were found sporadically around the perimeter of the waterbody. A moderate 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 taken during the pre-management survey.



Image 1: Pre-management photo of Common Reed on the northern shoreline of Butler Pond.



Image 2: Pre-management photo of Japanese Knotweed on the northern side of Butler Pond.

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Permit Information

Orders of Conditions		MA DEP License to Apply Chemicals for Control of Nuisance Aquatic Vegetation	
DEP File #.	Expiration Date	Application Submitted	Permit #17373 Received
059-1246	11/03/2017	10/11/2017	10/13/2017

Herbicide Application

On October 19, 2017 a Massachusetts licensed pesticide applicator from SOLitude Lake Management 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
10/19/2017	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 October 19th, 2017, SOLitude 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

SOLitude recommends early monitoring next year, with spot treatment as needed to control the Common Reed and Japanese Knotweed. Monitoring and continual management is prudent at this stage, to prevent recolonization of these invasive species and preservation of the native assemblage of vegetation surrounding Butler Pond.

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

Sincerely,

Jeffrey J. Castellani
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