

Date: **September 25, 2009**

To: **WDNR Staff and Interested Lake Stakeholders**

From: **Mark A. Heilman, Ph.D., Aquatic Ecologist and Aquatics Technology Leader, SePRO Corporation**

Subject: **Vegetation and Other Assessment Data for NY Lakes Treated with Renovate OTF Aquatic Herbicide in 2008 and 2009 for Selective Control of Eurasian Watermilfoil**

Included with this short summary are several sources of information documenting successful management efforts using Renovate (triclopyr) for selective milfoil management in New York. Three NY lakes are described: Lake Saratoga (3,762 acres in east central NY), and Lakes Waneta and Lamoka (connected 781 and 826-acre waterbodies in west central NY). All three lakes were managed using a multi-year treatment approach with major littoral sections of each lake treated each year. All three projects were partially funded by Aquatic Invasive Species Eradication Grants from the NY State Department of Environmental Conservation (NYSDEC). For Saratoga, Sonar (fluridone) herbicide was successfully used in 2007 in the southern, most protected section of the lake. After NYSDEC approval of Renovate use in NY in 2007, the Eurasian milfoil along the eastern (2008) and western (2009) littoral sections of the lake was treated in successive years with Renovate OTF granular herbicide. On Waneta Lake, a relatively high-dose Sonar treatment was utilized to successfully control milfoil in 2003 but overall treatment selectivity was less than desired by NYDEC. After struggling through 2007 with some recovering milfoil in Waneta and ever-worsening milfoil conditions on Lamoka, liquid and granular Renovate use was initiated in 2008 with partial treatments of both lakes with the second year of treatment in a two-year plan completed in 2009.

Various reports and documents included with this summary communication describe excellent control of the invasive milfoil on all three lakes with positive benefits for the lakes' native plant populations. Specifically included are:

1. A summary presentation of results through 2008 for all three projects that was presented at the January 2009 annual meeting of the Northeast Aquatic Plant Management Society.
2. Saratoga Lake Aquatic Plant Survey 2008 (Darrin Fresh Water Institute, NY)
3. Fisheries Survey of Saratoga Lake 2007-2008 (SUNY Cobleskill)
4. Waneta and Lamoka Lakes: 2008 Plant Community Response to the Application of the Herbicide Triclopyr to Control Eurasian Watermilfoil (Cornell University, NY)
5. Draft Summary of Results for 2009 Lamoka Waneta Lakes Vegetation Surveys (Cornell University and the Lamoka Waneta Lakes Association)

It is hoped this information will assist WDNR with decisions regarding potential future inclusion of Renovate aquatic herbicide in management plans for selective control of Eurasian milfoil in Wisconsin.

Please do not hesitate to provide feedback or questions on any of this information. I can be reached at 252-343-3987 or via email at markh@sepro.com.