EWM Management in Echo Lake – A Brief History and Sounding of the Alarm

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LLC

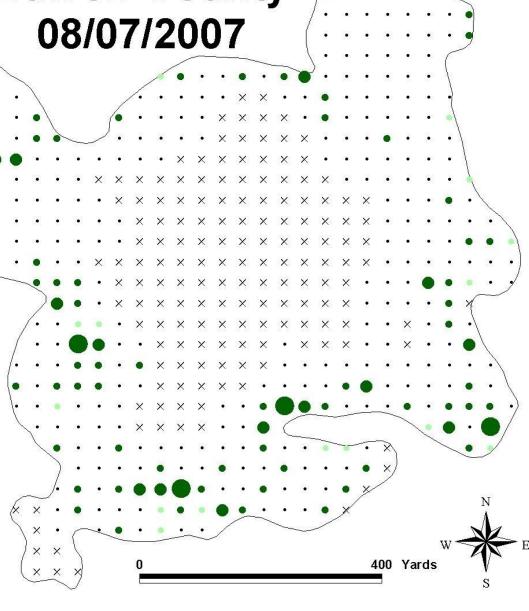


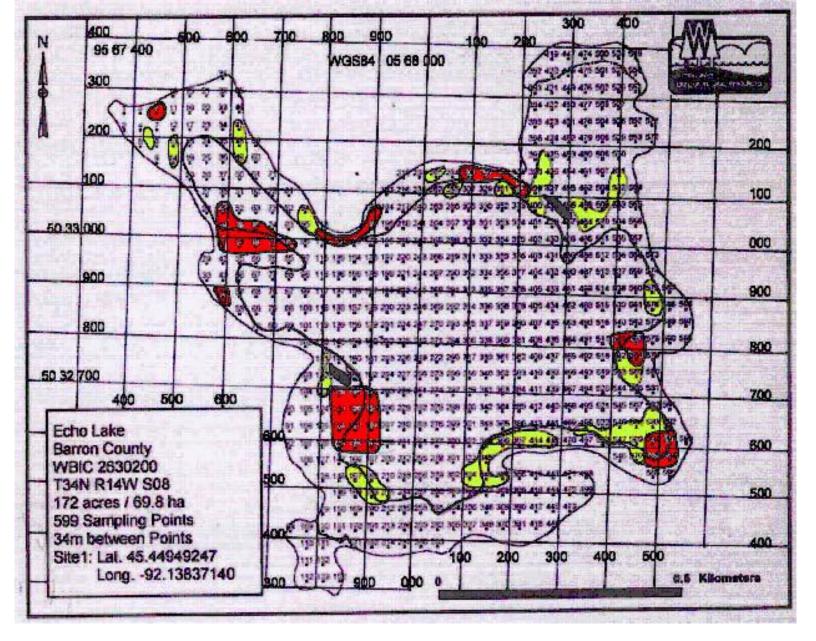
Eurasian Watermilfoil

Rake Fullness Rating

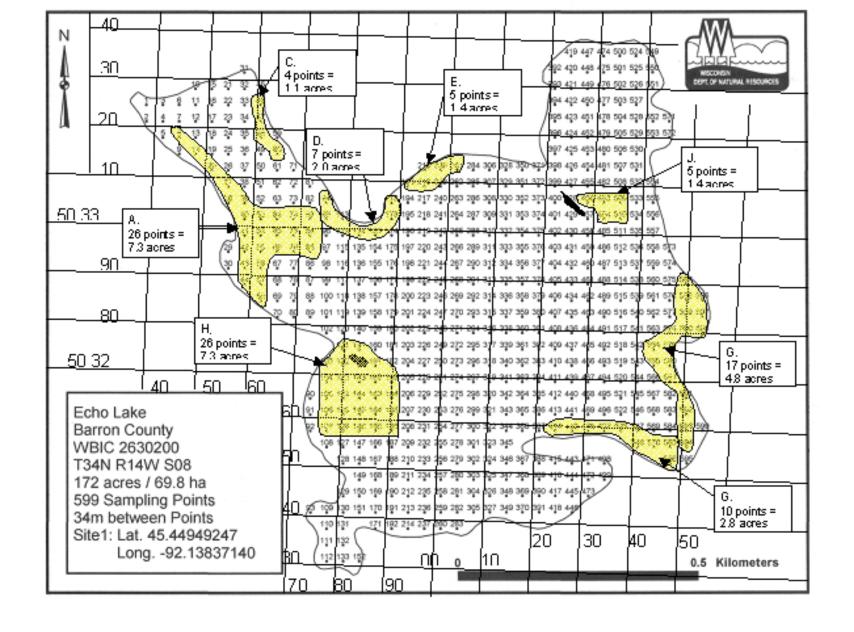
- · No EWM
- Visual
- 1
- 2
- **a** 3
- × Not Sampled



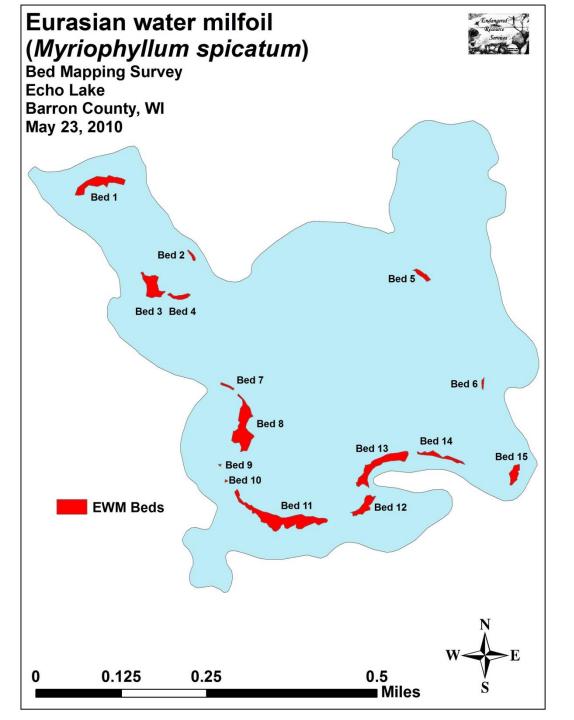




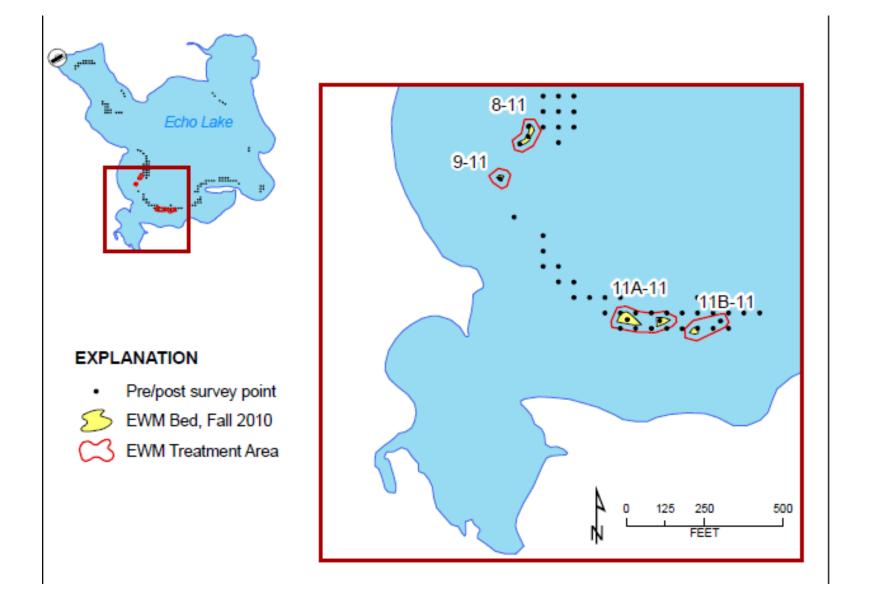
2008 EWM Treatment Areas in Red (9.9 Acres) - Blue Water Science



2009 EWM Treatment Areas (28.1 acres) – Blue Water Science



2010 EWM Treatment (5.35 acres) – SEH and ERS



2011 Spring EWM Treatment (0.63 acres) SEH & ERS



EXPLANATION

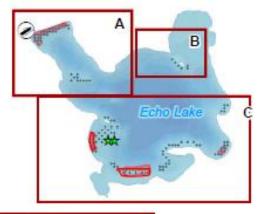
EWM July 11, 2011

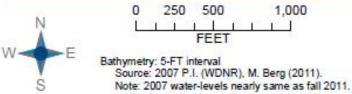
EWM Treatment Area



2011 Summer EWM Treatment (1.03 acres) SEH and ERS





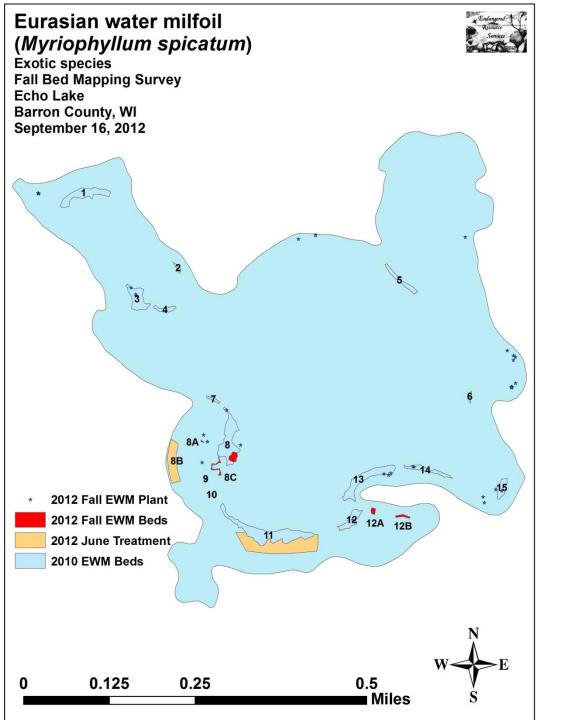




2012 EWM Treatment (2.39 acres) SEH and ERS



3.61 acres was originally proposed but EWM was reduced after the pre-treatment survey



2012 Fall EWM Bed Mapping Survey (SEH and ERS)

A couple very small beds; and a few isolated plants that were physically removed at the time of the fall survey.

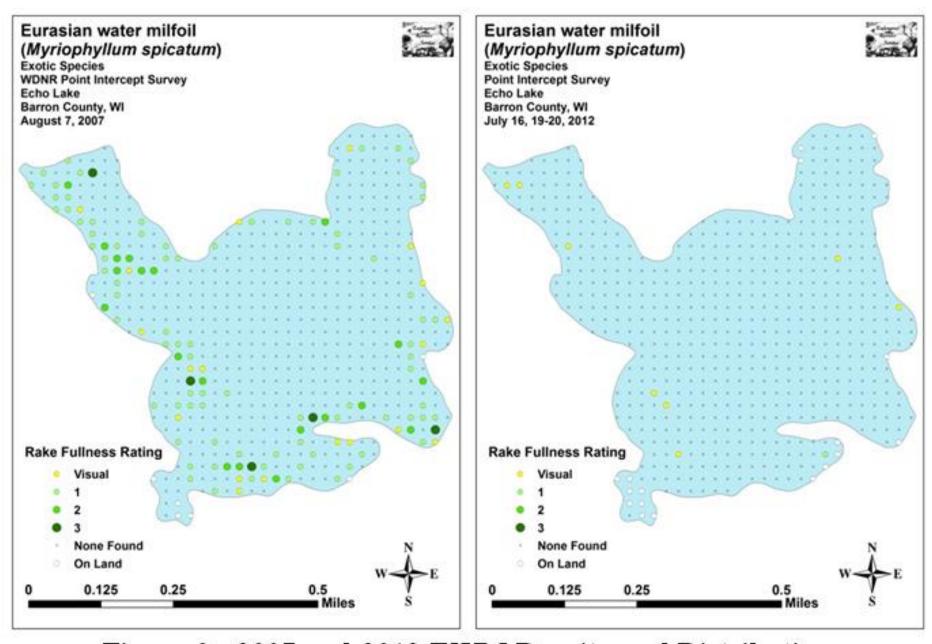
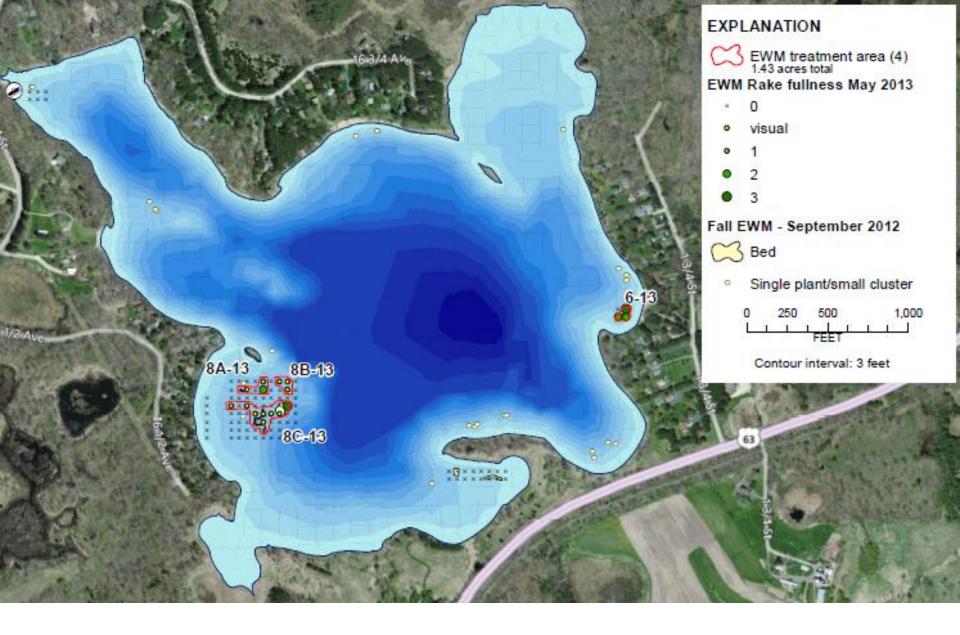
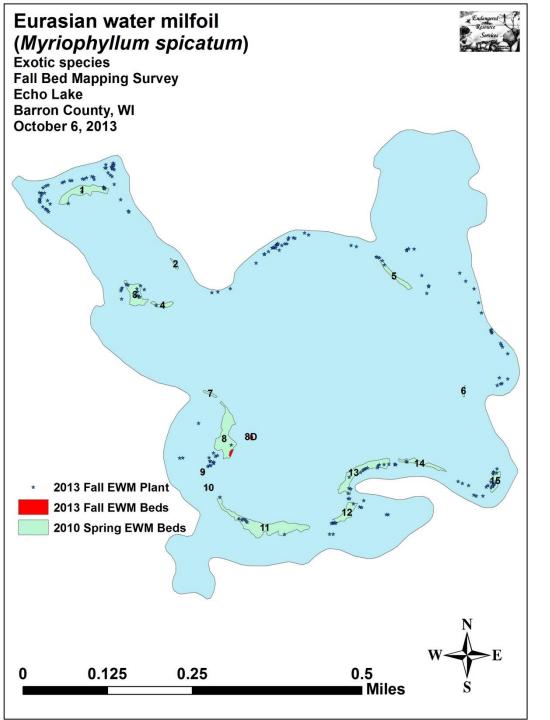


Figure 9: 2007 and 2012 EWM Density and Distribution



2013 EWM Treatment (1.43 acres) SEH and ERS



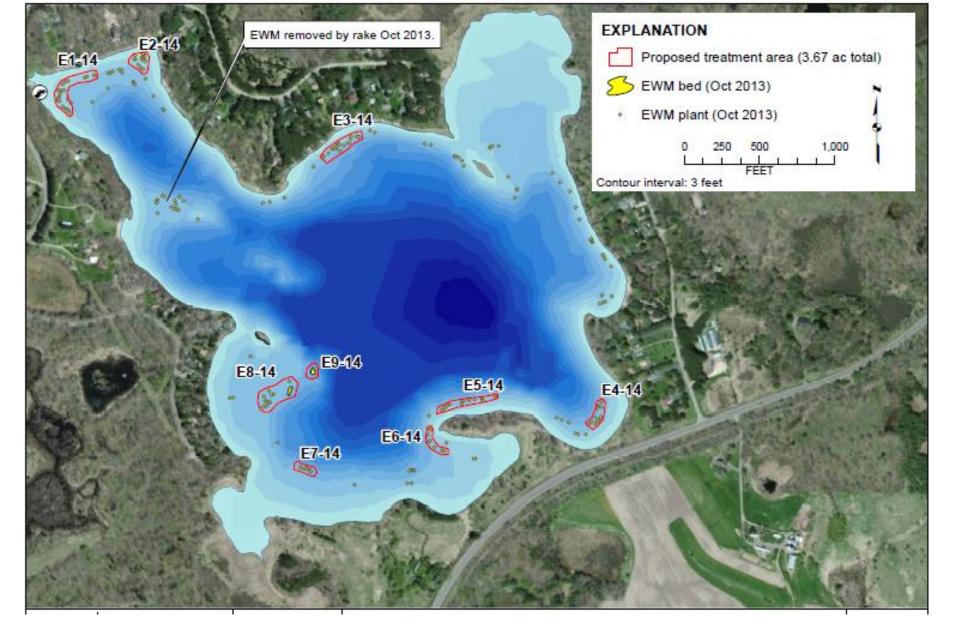
2013 Fall EWM Bed Mapping

Only 0.04 acres of EWM "beds"

209 isolated EWM plants all over the lake

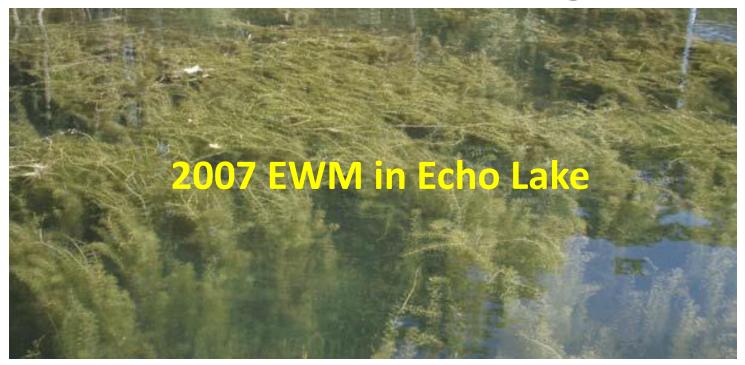
Only 35 isolated plants were found in the 2012 fall survey

Not all were physically removed during the fall survey, there was just too much!



2014 Proposed EWM Treatment (3.67 acres) SEH and ERS

Take Home Message



- EWM is not entirely predictable
- Vigilance on the part of lake users is extremely important
- Physical removal by property owners and lake users has to be a part of EWM management every year
- The costs for herbicide application will go up if some active level of physical removal is not incorporated annually!

The End Or is it only the beginning?