

## PRWD's 2010 Flowering Rush Research Program

On March 23, 2010, the PRWD Managers adopted a ten-year plan to address aquatic plant management problems in District streams and lakes. A major thrust of that plan is to undertake a comprehensive research program on Flowering Rush. This program will extend over three years beginning this summer.

A group including representatives of the City of Detroit Lakes, the DNR, Lake Detroiters, together with a research team from Concordia College, the Mississippi State University, and the U.S. Army Corps of Engineers, have outlined 2010 research activities as follows:

1. US Corps of Engineers experiments on the efficacy of various herbicides in the control of Flowering Rush; this research will be conducted by Dr. John Skogerbo and Dr. Kurt Getsinger at a Corps growth-chamber laboratory in Wisconsin.
2. Basic research on Flowering Rush ecology and phenology (relationship between growth habit and environmental variables-climate, water conditions, etc.) conducted by Dr. John D. Madsen, Mississippi State University and Dr. Michele Marko of Concordia College. This research also will be focusing on the interactions of Flowering Rush with Hardstem Bulrush. This research will be undertaken at several locations on Big Detroit, Little Detroit, Curfman, Sallie and Melissa.
3. Field trials of Endothal and Endothal/Triclopyr mixtures on submersed Flowering Rush; this research will be supervised by Dr. Michele Marko of Concordia College and Dr. John D. Madsen, Mississippi State University. Field trials will be conducted on small sites on Big Detroit, Little Detroit and Curfman.

The field trials and ecology/phenology sample sites for Big and Little Detroit, and Curfman, are depicted below.



The total direct cost of this summer's research activities will be about \$130,000, paid entirely by PRWD taxpayers.