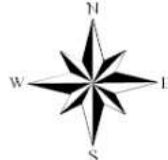
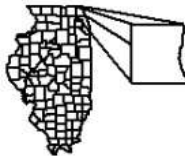
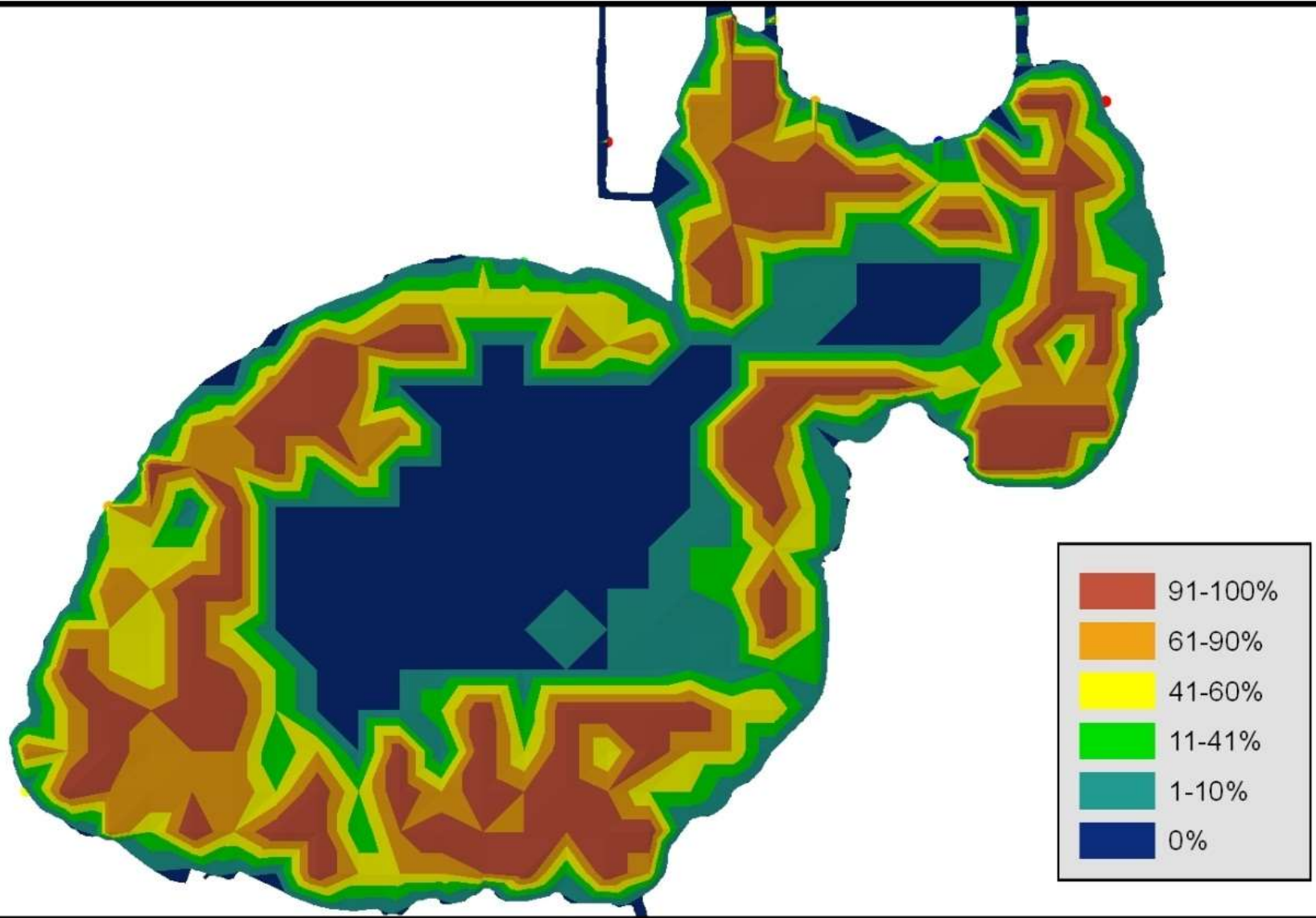


Hybrid Eurasian Watermilfoil & Treatment Concerns

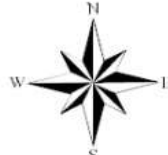
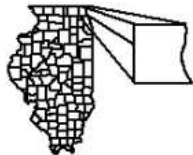
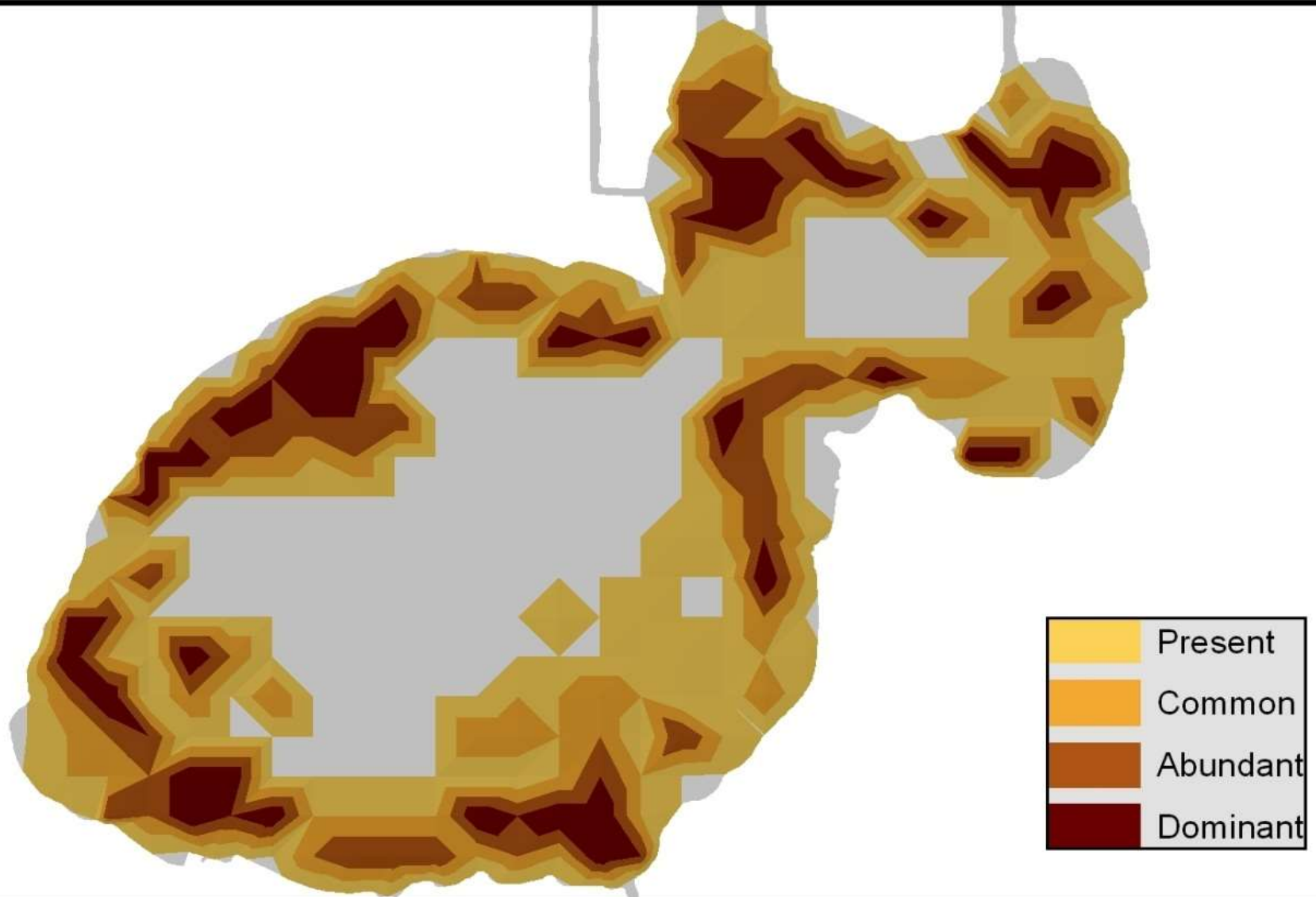
Keith Gray & Sandy Kubillus
Integrated Lakes Management



Bangs Lake Aquatic Plant Density August, 2012



Bangs Lake Eurasian Watermilfoil Density August, 2012



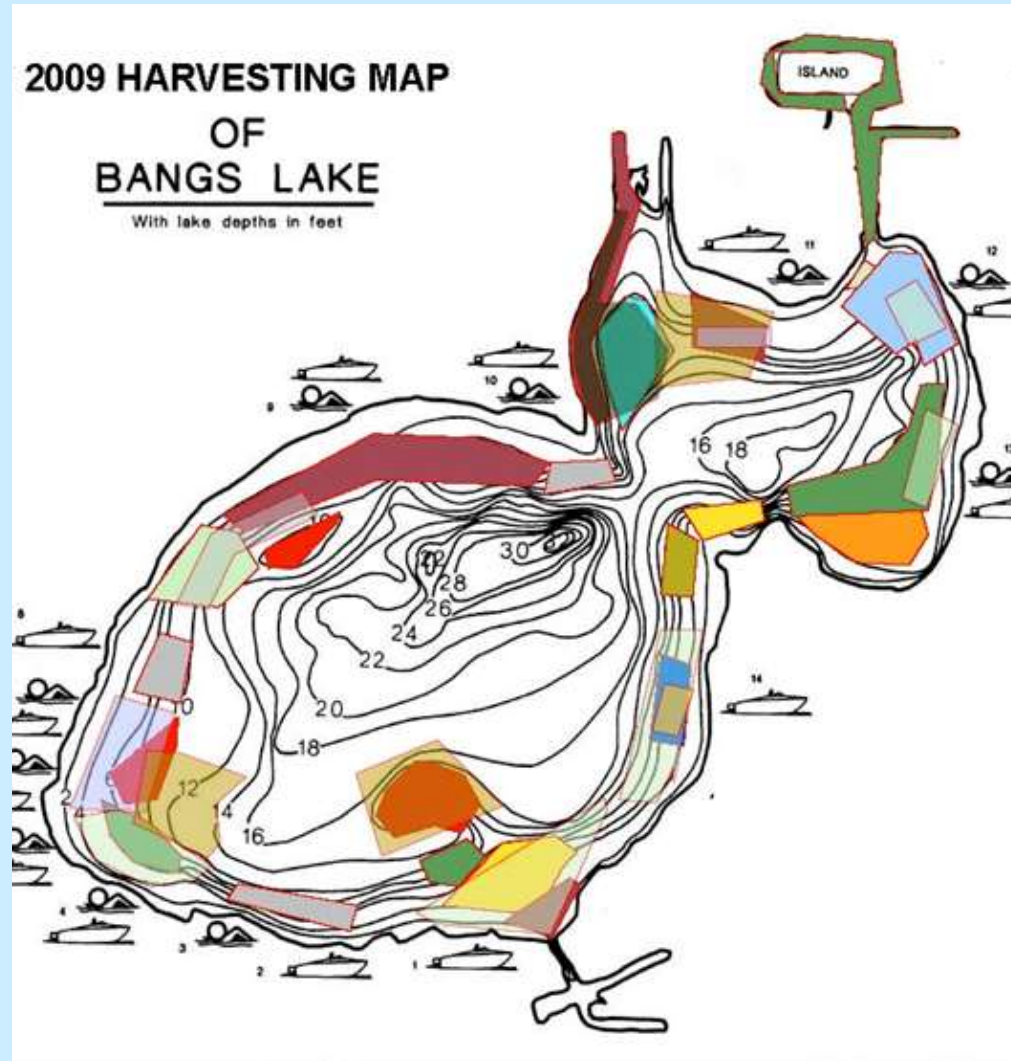
Eurasian Watermilfoil



- Grows to a depth of 13 feet at Bangs Lake
- Shades native plants
- Limits fishery



Harvesting



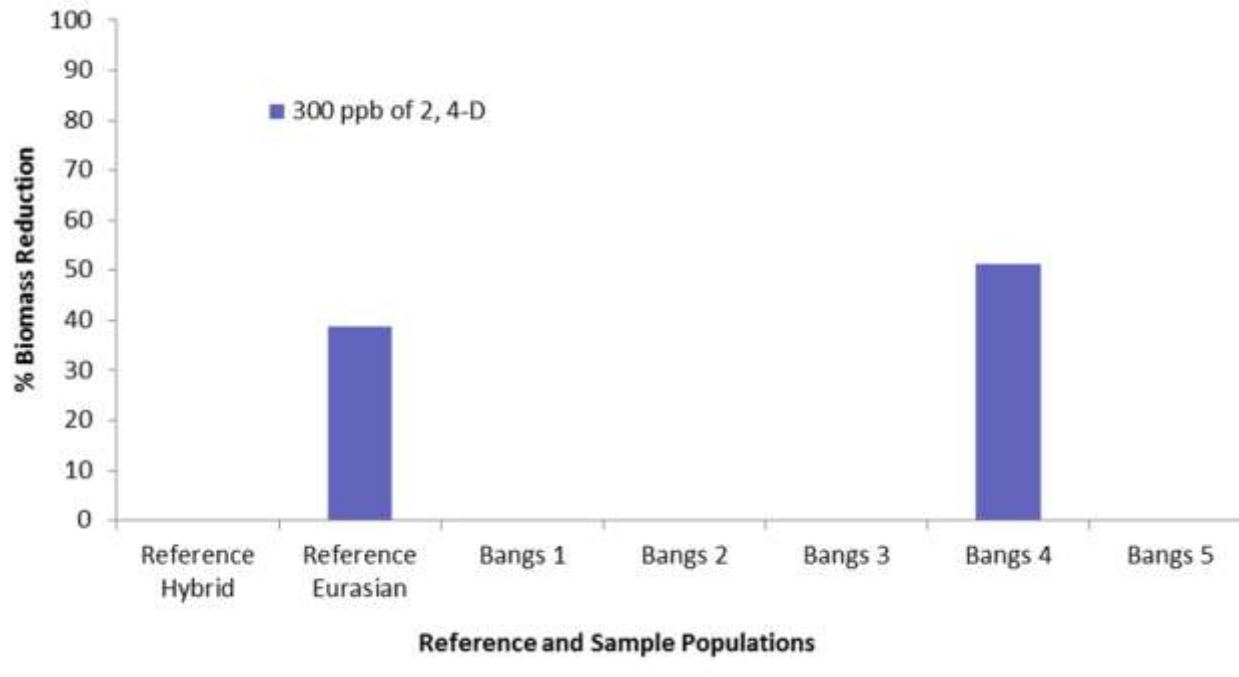
Used aquatic harvester since the middle 1980's

- Multiple lake bottom owners
- Threatened and endangered species
- Very inefficient

PlanTest



- Genetic testing revealed hybrid milfoil,
- Hybridization of Eurasian watermilfoil (EWM, *Myriophyllum spicatum*) and native northern watermilfoil (*M. sibiricum*).
 - Appear identical and only genetic testing can determine the hybrid form.

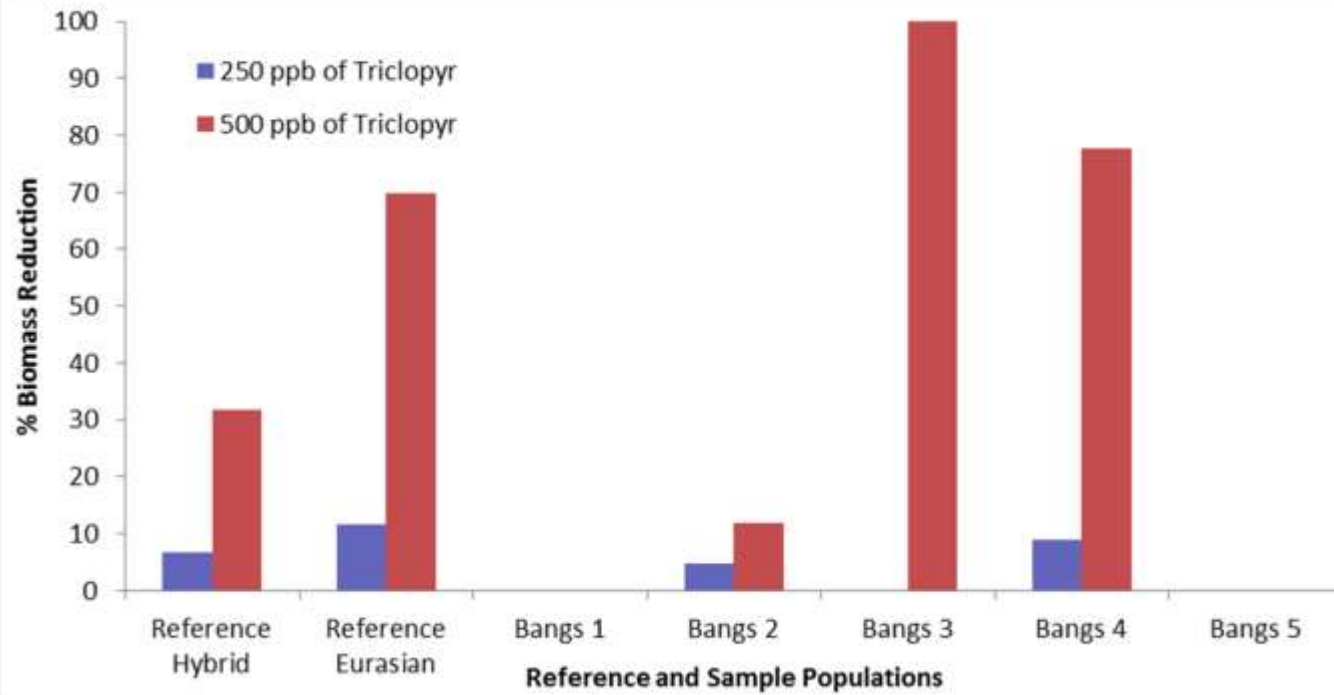


2,4,D Selective herbicide

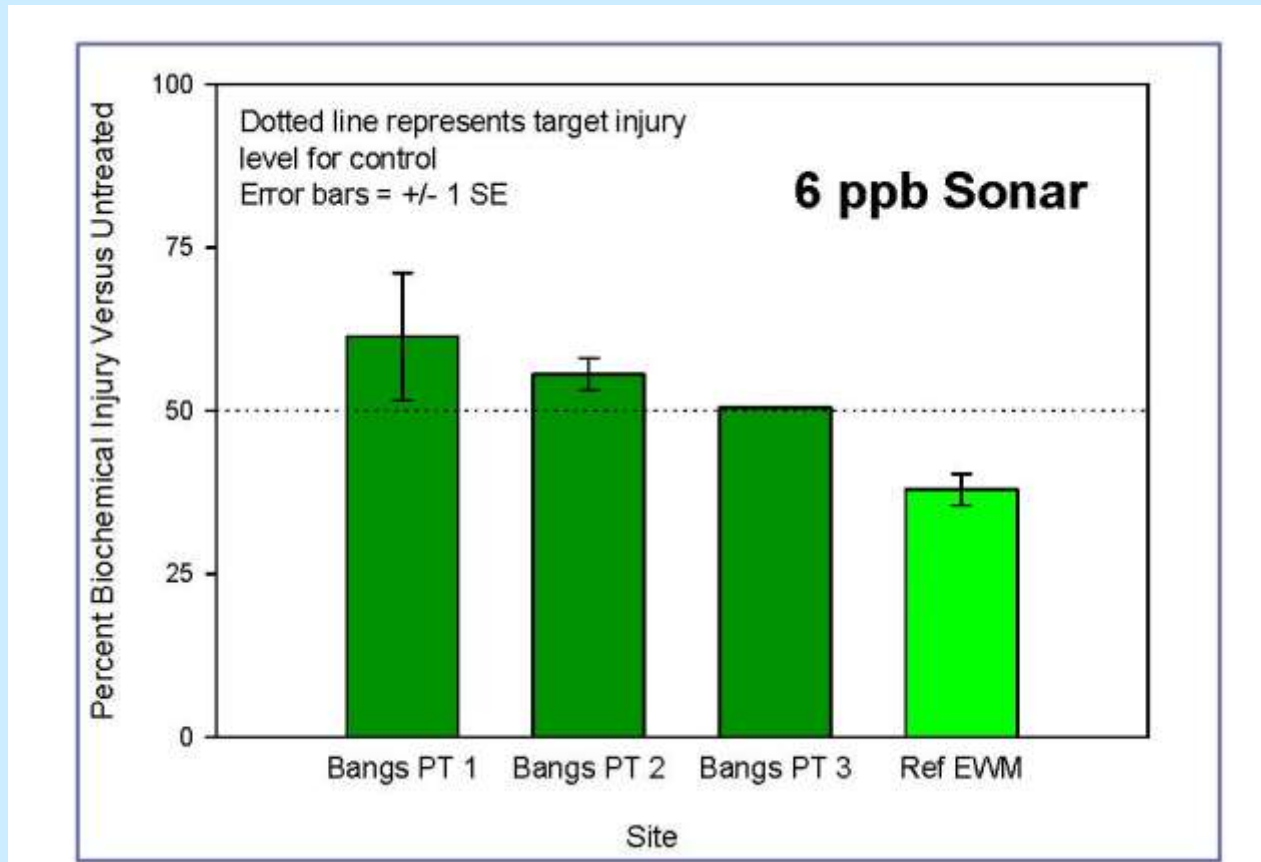
- Controls EWM
- Not Hybrid

Triclopyr Selective herbicide

- Controls EWM
- Partial control of Hybrid



Low dose Fluridone was most effective



Herbicide in early spring before desirable species appear.

Fluridone selective by timing and dosage.