



**ARE YOU READY
TO RESPOND?**

**LESSONS LEARNED
FROM INDIANA**

**DOUG KELLER
AIS COORDINATOR**

THE GOOD OL' DAYS!?!?



HOPELESS???



WE'VE BEEN HEARIN' THE MONSTERS KNOCKIN'.....



INDIANA'S FIRST NON-RAPID RAPID RESPONSE

BRAZILIAN ELODEA

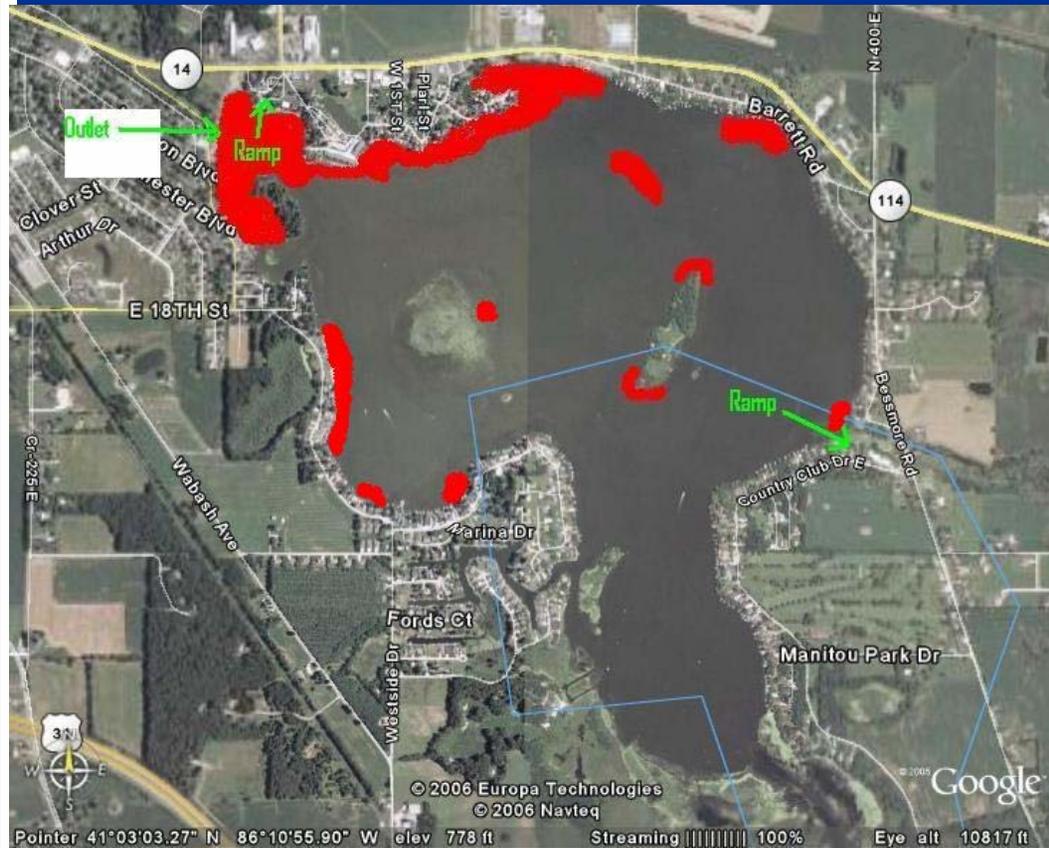
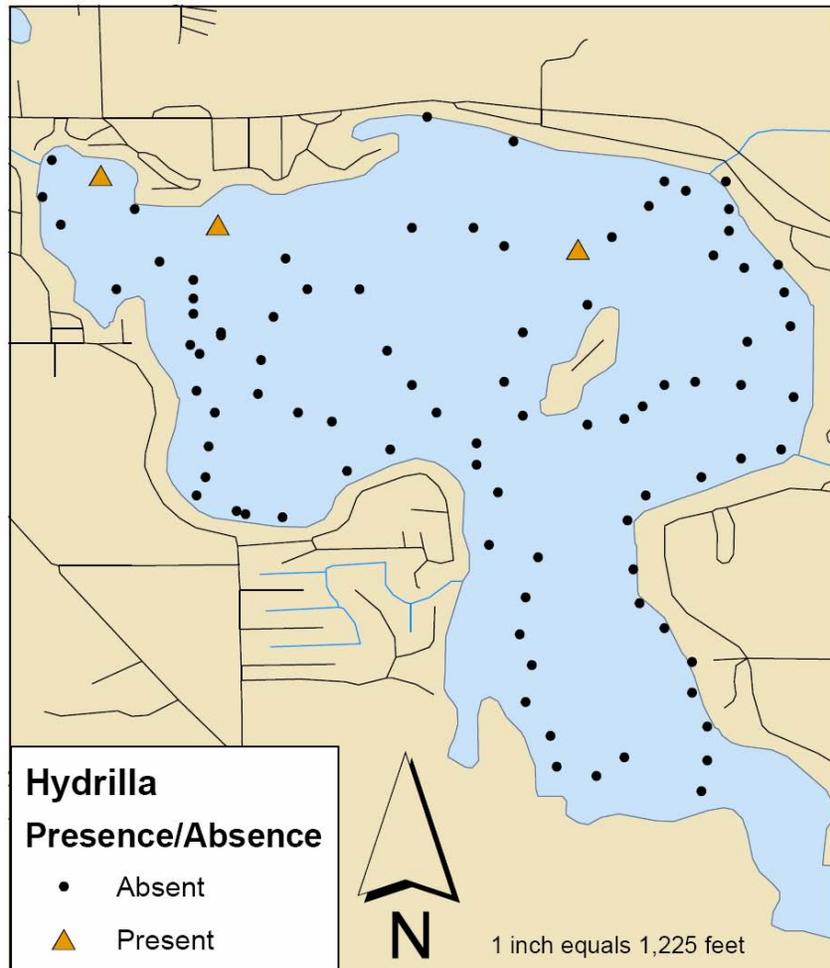
- DISCOVERED IN 109 ACRE GRIFFY LAKE IN 2002 BUT NOT REPORTED
- DNR FOUND IT IN 2004
- SONAR TREATMENT 2006, NEARLY ELIMINATED
- REPEAT SONAR IN 2007
- UNDETECTABLE!!!



HOOSIERLAND HYDRILLA: THE INFESTATION

Lake Manitou Vegetation Survey

August 7, 2006



MANITOU HYDRILLA DISCOVERY

AUGUST, 2006



RAPID RESPONSE

- LEARN EXTENT OF INVASION
 - IN MANITOU
 - SPREAD TO OTHER LAKES?
- KOMEEN TREATMENT 20 ACRES
- ACCESS RESTRICTIONS
- LOOK FOR HELP
 - TECHNICAL
 - FINANCIAL!!!



THE BIGGEST CHALLENGE

LOCATING 4,000 - 5,000 OF THESE



FOR MULTIPLE YEARS!!!

WE'VE GOT THE MONEY BUT...

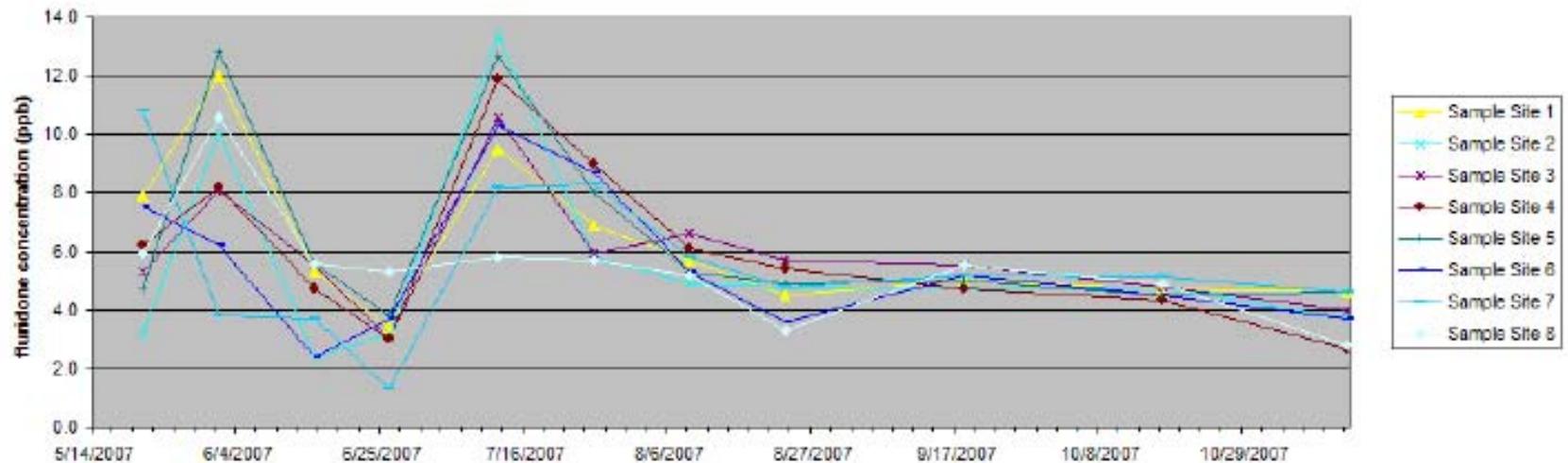
NOT MONEY THAT HAS JUST BEEN LAYING AROUND BEING UNUSED!!!

- LAKE AND RIVER ENHANCEMENT
- ABOUT \$900,000 SHARED BY 70 LAKES
- TARGET MILFOIL, SOME CURLYLEAF
- IF DIRECT HALF TO MANITOU
 - LOSE MOMENTUM OF PAST EFFORTS
 - 40 LAKES MAD!

HYDRILLA ERADICATION '07



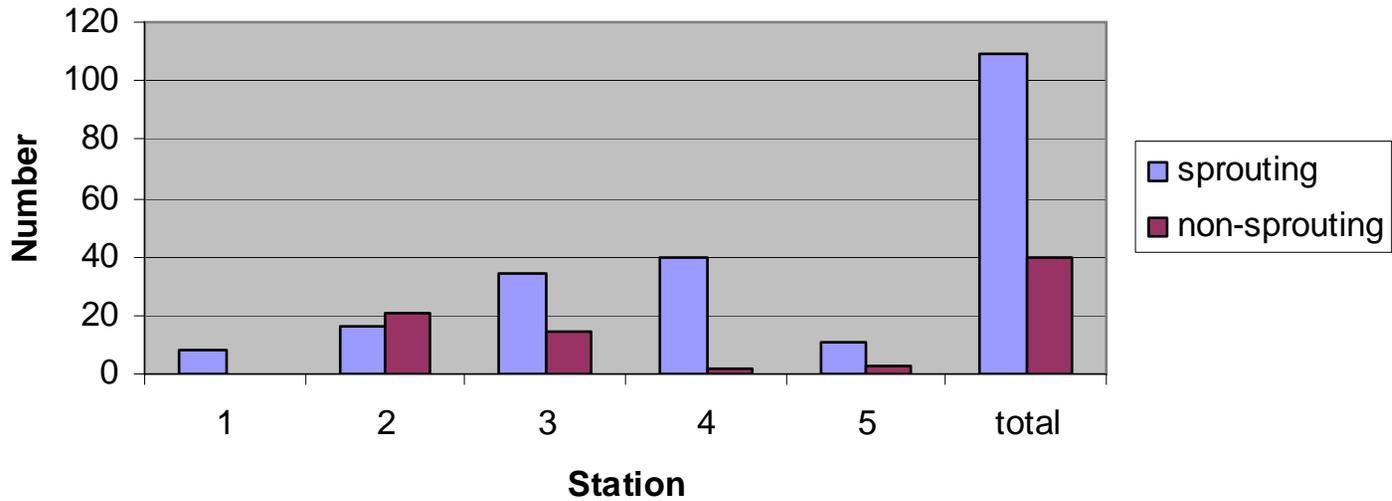
2007 Fluridone Concentration by FasTEST Site Over Time



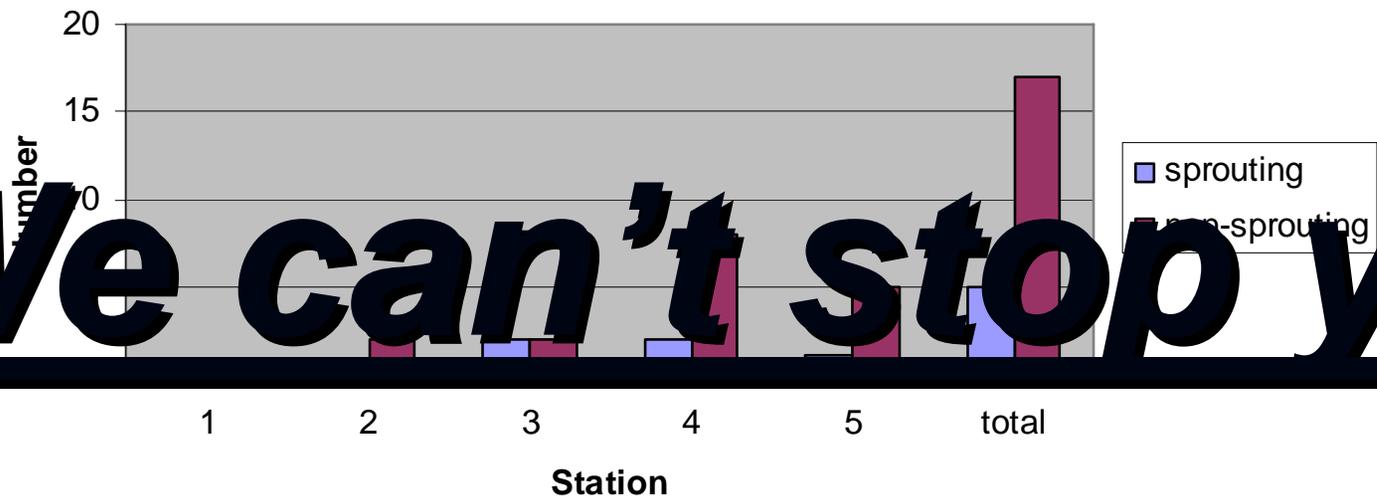
THE TUBER HUNT



Hydrilla Tubers Sampled Pre-Treatment 2007



Hydrilla Tubers Sampled Post-Treatment 2007



We can't stop yet!

LESSONS LEARNED

- SURVEYORS NEED TO RECOGNIZE THE NEW MONSTERS
- RESEARCHERS SHOULD NOT JEOPARDIZE RAPID RESPONSE ...
- ... BUT POLITICS MAY!!!
- INCREASE SAMPLING EFFORT

GET PREPARED!!!

- ESTABLISH FUNDING “WAR CHEST”
- PLAN A RESPONSE NOW
- STATES w/ WHOLE LAKE TREATMENT RESTRICTIONS SHOULD RETHINK
- LOOSEN STATE SONAR RESTRICTIONS (6-BUMP-6)

**YOU DON'T WANT THESE ISSUES CAUSING
A DELAY IN RESPONSE**

An aerial satellite-style map showing a rural landscape with fields, roads, and some buildings. A large black silhouette of a bear is overlaid on the map, facing left. A blue line traces a path through the landscape, starting from the bottom right and moving towards the bear's head. The text "THERE IS ONLY ONE CHANCE TO DO THIS RIGHT THE FIRST TIME!!!" is written in large, bold, red, serif capital letters across the center of the bear's body.

**THERE IS ONLY ONE
CHANCE TO DO THIS RIGHT
THE FIRST TIME!!!**





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