

**AIS PRESENTATION TO
HUBBARD COLA
OCTOBER 31, 2013
Ken Grob/Jeff Bjorkman**



- ❑ **AIS PREVENTION STRATEGY/KEY MESSAGE**
- ❑ **ECONOMIC IMPACTS-WATERSHEDS & TMV**
- ❑ **ZEBRA MUSSEL VELIGER LIFE CYCLES**
- ❑ **WHY IS WATERCRAFT INSPECTION CRITICAL?**
- ❑ **WATERCRAFT INSPECTION REPORT 2013**

Partnering to Protect Our Lakes

DNR STATE-WIDE AIS ADVISORY COMMITTEE

- ❑ **COMMITTEE APPOINTED IN JANUARY 2013;
15 MEMBERS AND 4 EX-OFFICIO MEMBERS;
PLUS DNR TEAM**
 - ❖ **KEN GROB (COLA/COUNTY) AND MATT DOTTA (AMC) COMMITTEE MEMBERS**
- ❑ **ORGANIZATION/PRIORTY
SETTING/LEADERSHIP-SPRING**
 - ❖ **STRONG SUPPORT FOR LGU FUNDING**
 - ❖ **LETTERS TO GOVERNOR AND DNR
COMMISSIONER SUPPORTING LEGISLATION**





AIS PREVENTION STRATEGY

DNR STATE-WIDE STRATEGY ELEMENTS



- **PUBLIC AWARENESS & EDUCATION**
- **PREVENTION**
 - (Watercraft inspections, LSP and Bait Dealer Laws, etc.)
- **EARLY DETECTION**
 - (Veliger testing and vegetation checks)

FRAMEWORK FOR HUBBARD COLA AND AIS TASK FORCE

- **CONTAINMENT**



CONSISTENT MESSAGE

FOR TOWNSHIPS AND LAKE ASSOCIATIONS

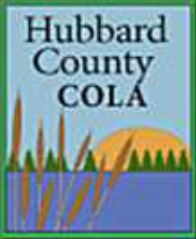
- ❖ AIS (ZEBRA MUSSEL) MAJOR EXPANSION SINCE 2000 IN MN
- ❖ **WATERCRAFT MOVEMENT FROM SUPER SPREADER LAKES ARE MAIN SOURCE OF NEW AIS INFESTATIONS**
- ❖ PREVENTION IS THE MOST COST EFFECTIVE ACTION
- ❖ **WATERSHEDS MUST BE PROTECTED--ZM VELIGERS**
- ❖ IMPACTS ARE ECONOMIC, FISHING, RECREATIONAL, AND ECOLOGICAL
- ❖ **EVERYONE IS AFFECTED; EVERYONE RESPONSIBLE FOR PREVENTION**
- ❖ DNR CAN'T STOP SPREAD ALONE--LAWS, POLICIES, MANPOWER CAN'T DO IT ALL.
- ❖ **DNR FOCUS IS ON CONTAINMENT & ENABLING LOCAL ORGANIZATIONS AND GOVERNMENT TO SHIELD UNINFESTED LAKES**
- ❖ WATERCRAFT INSPECTIONS ARE A VITAL ELEMENT OF PREVENTION--NO ONE DOES IT BETTER THAN HUBBARD CO.

MAJOR HUBBARD COUNTY WATERSHEDS

- **LONG LAKE** - Henrietta & Hubbard Twp's
- **KABEKONA AND PLANTAGENET** - Rockwood, Helga, Lakeport Twp's
- **CROW WING RIVER CHAIN**
 - 11TH CW TO 1ST CW LAKES AND RIVER – City of Akeley; Akeley, Nevis, CW Lake Twp's
- **MANTRAP CHAIN**
 - BIG MANTRAP LAKE- Clay, Thorp, Lake Emma, Mantrap Twp's
 - UPPER & LOWER BOTTLE LAKES – Lake Emma Twp

AIS Spreads Quickly Throughout a Watershed

- LAKE EMMA – Lake Emma Twp



HUBBARD COUNTY FACTS



OUR CLEAN LAKES ARE A MAJOR RESOURCE

- ❖ MANY DESTINATION LAKES; EXCELLENT WATER QUALITY
- ❖ ECONOMIC, RECREATIONAL, SWIMMING, AND FISHING
- ❖ RESORTS/CAMPGROUNDS DEPEND ON CLEAN LAKES

TAX ENTITY (Township)	2011 TMV (Water Related)	% of Total TMV	2011 Net Taxes (Water Related)	Note
Lake Emma	\$357,011,600	87.5%	\$2,668,795	---
Nevis	\$209,118,300	78.2%	\$1,401,933	---
Hubbard	\$170,000,700	69.7%	\$1,204,173	---
Henrietta	\$150,459,100	57.1%	\$1,114,173	---
Mantrap	\$145,453,200	80.4%	\$900,566	---
Arago	\$139,303,900	74.5%	\$1,006,127	---
Crow Wing Lake	\$127,133,800	84.6%	\$691,316	---

Lake Property Drives Majority of Tax Base

EXAMPLES OF ECONOMIC IMPACT

*WISCONSIN STUDY INDICATED A 13% REDUCTION OF PROPERTY VALUES WITH THE INFESTATION OF EURASIAN WATER MILFOIL

(ZEBRA MUSSELS WILL BE MORE)



WATERSHED (CY2011)	TMV BASE <i>TOT. NET TAXES</i>	10% TMV LOSS <i>TAX LOSS</i>	13%* TMV LOSS <i>TAX LOSS</i>	30% TMV LOSS <i>TAX LOSS</i>
LONG LAKE (Henrietta & Hubbard Twp)	\$211MM <i>\$1,578K</i>	\$21.1MM <i>\$157.8K</i>	\$27.4MM <i>\$205K</i>	\$63.3MM <i>\$473.4K</i>
MANTRAP CHAIN OF LAKES (Mantrap, Big Sand, Lt Sand, Belle Taine Lakes)	\$367MM <i>\$2,689K</i>	\$36.7MM <i>\$268.9K</i>	\$47.7MM <i>\$349.6K</i>	\$110.1MM <i>\$806.7K</i>
FISH HOOK & POTATO LAKE (Arago/Lk EmmaTwp) ** Includes F.H. River	\$174MM <i>\$1,621K**</i>	\$17.4MM <i>\$162.1K**</i>	\$22.6MM <i>\$210.7K**</i>	\$52.2MM <i>\$486.3K**</i>
PLANTAGENET (Rockwood & Helga Twp)	\$43.7MM <i>\$349K</i>	\$4.4MM <i>\$34.9K</i>	\$5.7MM <i>\$45.4K</i>	\$13.2MM <i>\$104.7K</i>
KABEKONA (Lakeport Twp)	\$100MM <i>\$905K</i>	\$10MM <i>\$90.5K</i>	\$13MM <i>\$117.7K</i>	\$30MM <i>\$271.5K</i>

County Infestation would likely cause a Significant Tax Revenue Gap



WH

EDUCATE -- CHANGE BEHAVIORS PREVENT INTRODUCTION

TION?

Qualifying questions to ask arriving watercraft owners

1. Are the drain plugs removed?
2. Has water been drained and wiped out?
3. What was the last lake the boat was on?
4. Has water been drained from the motor?

If last in infested waters go through flow chart...
Decontaminate watercraft if necessary

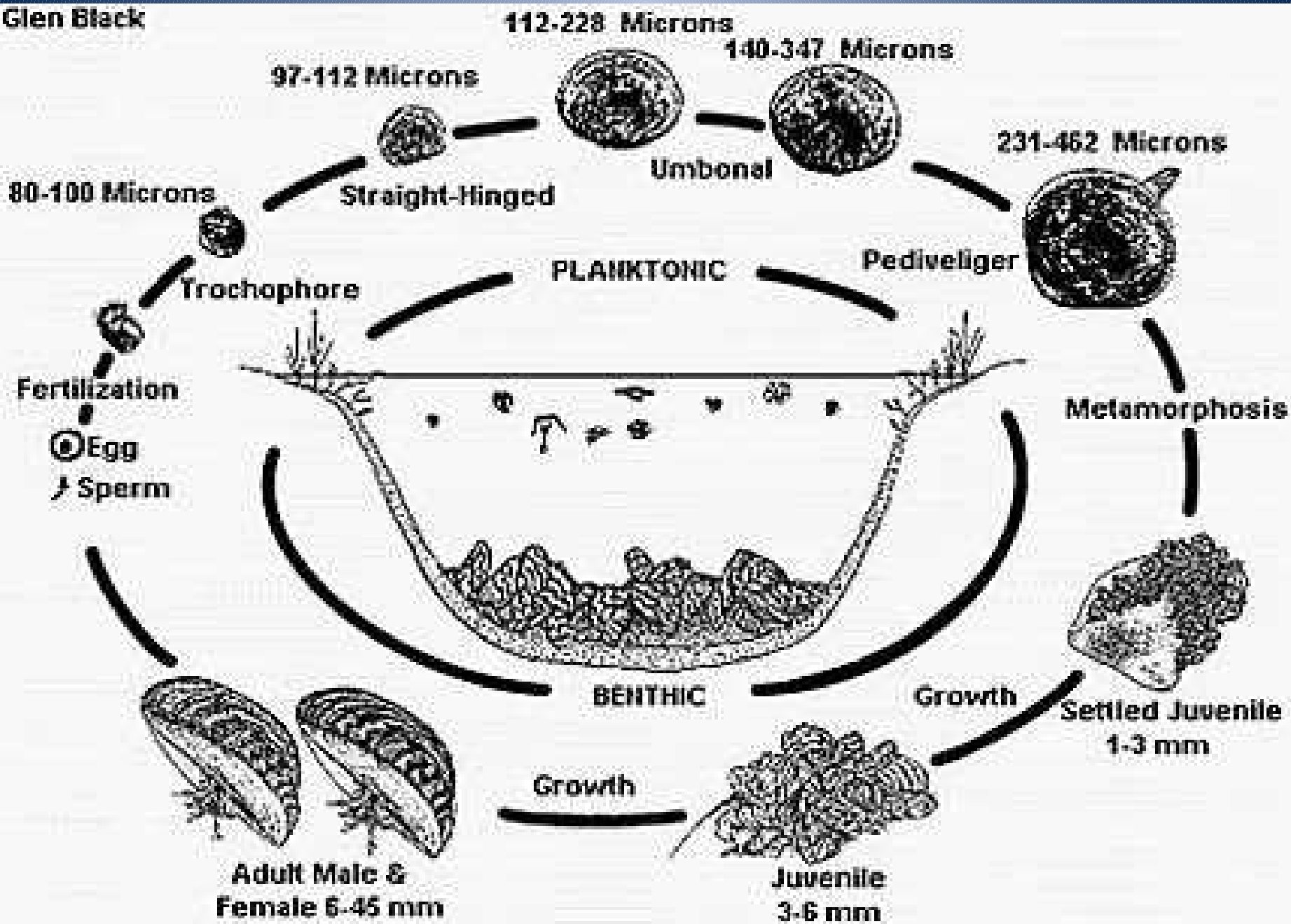
Good practice to treat all boats like they are

Watercraft arrives from infested waters

Are invasives visually present on watercraft?



Glen Black





GENERAL FACTS ABOUT VELIGERS



- **ADULT ZEBRA MUSSELS SPAWN ABOVE 54 DEGREES**
- **VELIGERS ARE FRAGILE AND HAVE A HIGH MORTALITY**
- **VELIGERS 'PRECIPITATE' OUT IN 4-6 WEEKS-
HARD SURFACE**

IT IS A RISK MANAGEMENT GAME

- ❖ **CLEAN, DRAIN, DISPOSE (IT IS THE LAW)**
- ❖ **RINSE & DRY (IT IS RECOMMENDED)**
- ❖ **DECONTAMINATE (IT IS THE LAW/RECOMMENDED)**

MONTHS*

SK



To those that say it is not if but when, this is what WHEN looks like!



- My children and grandchildren have gotten cut feet and legs attempting to use the shoreline
- If we want to go for a swim, we now get in the boat and go out to deep water
- We can no longer use lake irrigation: back to dragging around hoses from well source
- The clearing of the water due to plankton filtering has caused the sun to go deeper creating an algae mess on the lake
- My property values have shrunk....I guess I don't know what they are now because nothing sells on the lake
- We need to clean our beach, dock area and boat motor regularly....so that the boat will run and to reduce the stench

What are the solutions?

Increased political dialogue, funding for inspection, enforcement, research, more stringent laws and penalties, all point to the potential that “when” can be avoided



Watercraft Inspection Update

**Jeff Bjorkman
Hubbard County AIS
Taskforce**

2013 Watercraft Inspection Overview

6658 Hours of Inspections

Over 10,000 Inspections Completed

21 Lakes Participated

9.5% of Boats from Infested Waters

12% Registered out of state

3% Had Vegetation attached

5% Had plugs in Boat at arrival

4% Had water in Boat at Arrival

10,000 Opportunities to Educate

1 in 10 Boats launched are a RISK to our Waters

Is our Program having an impact?

**2012 MN DNR Roadside Checks 19% of
boats had plugs installed**

Hubbard County Results 5%

**Non-Compliance Rate 74% Better than
State Average**

**We are influencing Behavior and Compliance
CLEAN – DRAIN - DRY**

2013 Financial Overview

Funding:

DNR	\$7750
City/Townships	\$35,990
County	\$35,000
Lake Associations	<u>\$63,905</u>
Total	\$142,645

Expenses:

Inspector/Staff Wages	\$97,468
Training	\$3092
SWCD Mgt.	\$35,000
Supplies	\$1302
Equipment (Decon, Computer)	<u>\$5664</u>
Total	\$142,526

**45% Lake Associations – 25% County
25% City/Townships - 5% State DNR**

Hubbard County Lake Access Inventory

57 Lakes with Public or Resort Access

67 Public Access Points

59 Resort Access Points ?

**We Need your help to improve accuracy of information
SEE HANDOUT**

**E-mail corrections /additions to:
Jeff Bjorkman – jeffbjorkman1@gmail.com**

2014 Program Objectives

1). Increase hours on HIGH Risk lakes with no or low hours

Low Hours

- Fish Hook
- Belle Taine
- Grace
- Kabekona
- Plantagenet
- 11th /10th Crow Wing

No Hours

- Lower Crow Wings
- Middle Crow Wings
- Lake George
- 8th & 9th Crow Wing
- Bottle Lakes
- Two Inlets

Can the Lake Associations find additional Funding?

2). Continue to Push Township/City Funding

CITIES: Park Rapids – Akeley – La Porte – Nevis

TOWNSHIPS:

Nevis – Crow Wing Lake – Clay – Farden – White Oak
Lake George - Two Inlets (Becker) – Frohn (Beltrami)

Arago – Lake Emma – Todd – Hubbard - Henrietta

Akeley – Lakeport – Rockwood – Thorpe – Helga
Mantrap

WE NEED YOUR HELP!

Lake Association efforts are key to Success

3). Add Car Counters to Select Sites

\$2250 for SWCD Equipment

3 Counters and Software

\$500 each to add additional counters

Lake Associations can opt. to purchase their own

Better Understand total Launch Utilization

Allows More Efficient use of \$

Provide better Protection/Education

4). Increase Resort Participation

Funding

Inspections at Resort Launch

Educate Guests

Direct High Risk Boats to Decon

Possibly limit launch at resort?

We Need Consistent Level of Resort Engagement

Better Communication – Better Cooperation

**We Need Lake Associations to take the lead in
making this happen on their lake**

5). Increase Utilization of Decontamination

Better Targeting of High Risk Boats

(Inboards, I/O's, Wakeboard, Livewells)

Easier Access of Decon Stations

(Dedicated Level 2 Inspectors)

Provide Service at no Cost

Educate Everyone on simple Decon practices

**Get High Risk Boats into Decon
From Infested Waters/Difficult to Drain**

2014 Funding Strategies

-Get Lake Associations Involved in Township/City Funding efforts

We Need Your Help!

-Apply for Conservation Partnership Grants

-Develop Formula for recommended Township Contributions

-Monitor Potential for LOSHC Funding

-Attempt to get LGU funding through State Legislature

-Develop better local Fundraising strategies

Funding remains a local responsibility

One local Fundraising Example

Long Lake Area Association

Established a Foundation for Lake Association

Provides Tax Deductibility of donations

Sub Funds are available through COLA with NWMF

Annual effort launched in August for following years funding

Goal is to have funds available by Jan. 1st

Mail to all owners regardless of association membership

Include stamped return envelope

Increased response rate from 61 to 151

Recognize donors on website

Provide option to opt out

Average Response over \$150

Use Newsletter and Website to update and remind



What we need from your Lake



**Indicate your intent for inspections in 2014 to
Nate at SWCD by 12-1-2013**

**Develop a funding plan for your hours and work
with your township/City lake partners on
funding requests**

**Develop a plan to raise Lake Association funding
and execute that plan**

**Provide funds to SWCD by May 1st 2014 for the
first 50% and July 1st 2014 for the balance**

Let's Work Together to make this Happen!
Need your Lake Association's attendance on
Nov. 6th !