



Lake Winnepesaukee

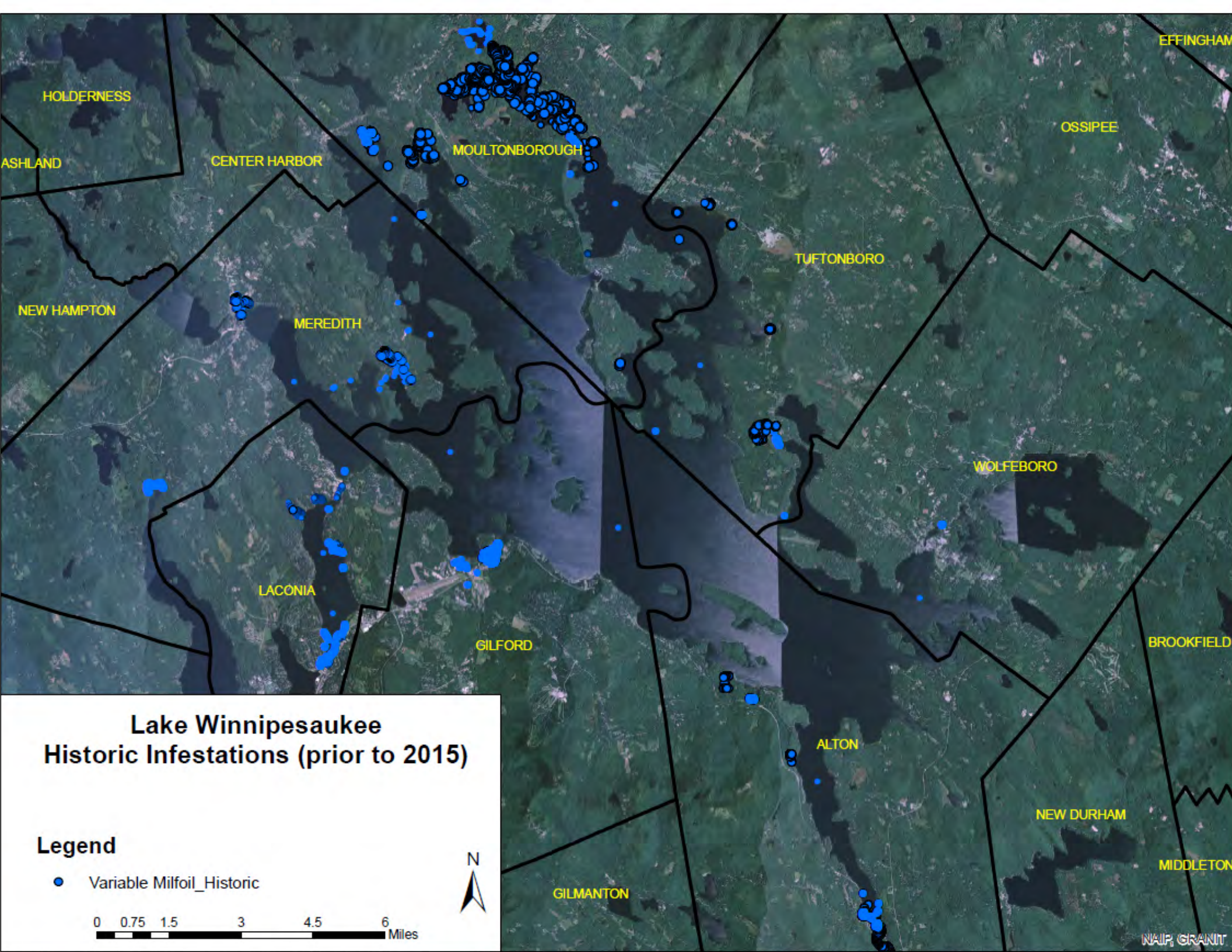
Lake wide Milfoil Management Efforts

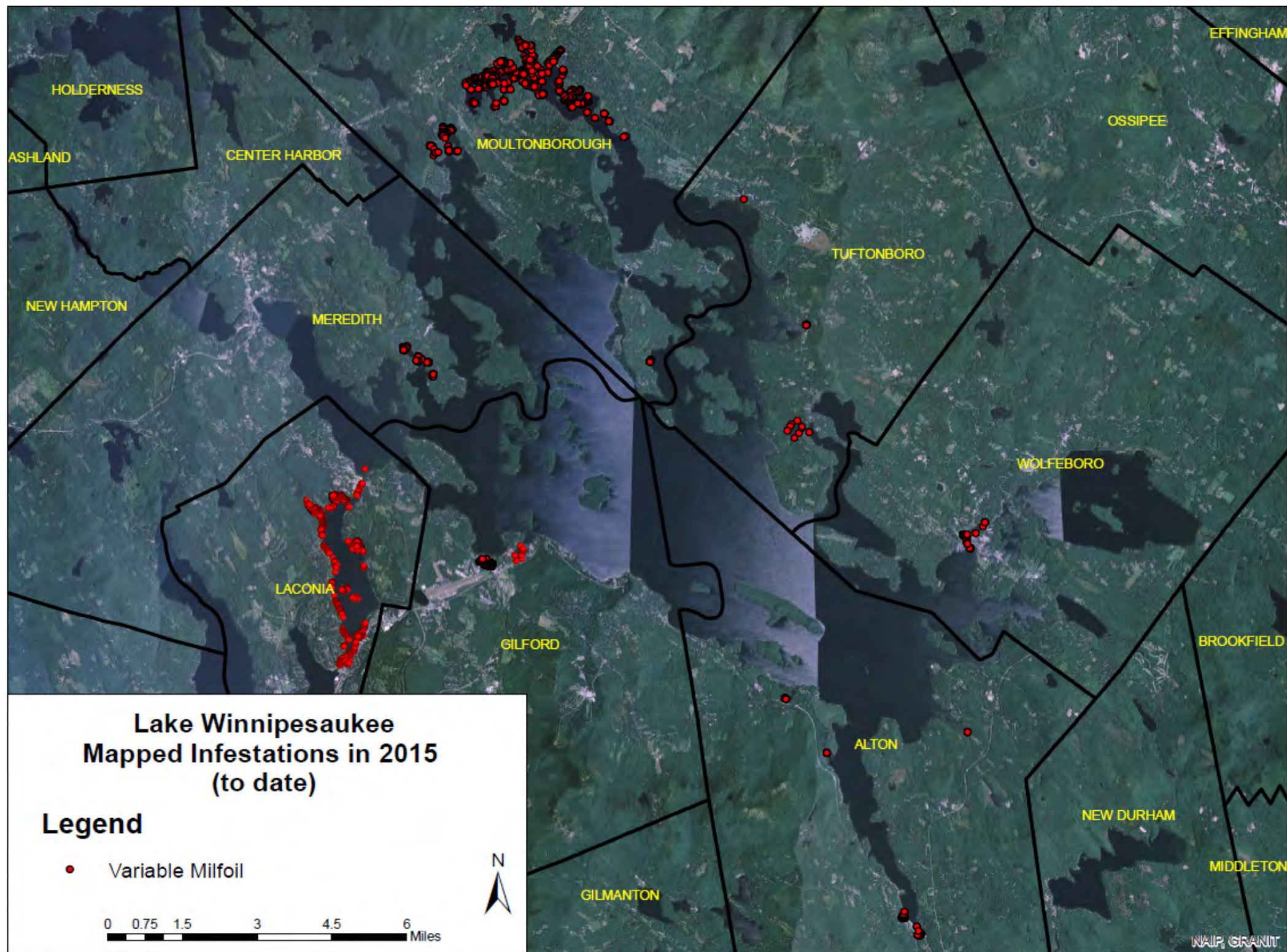
Gilford Island Association Winter Meeting

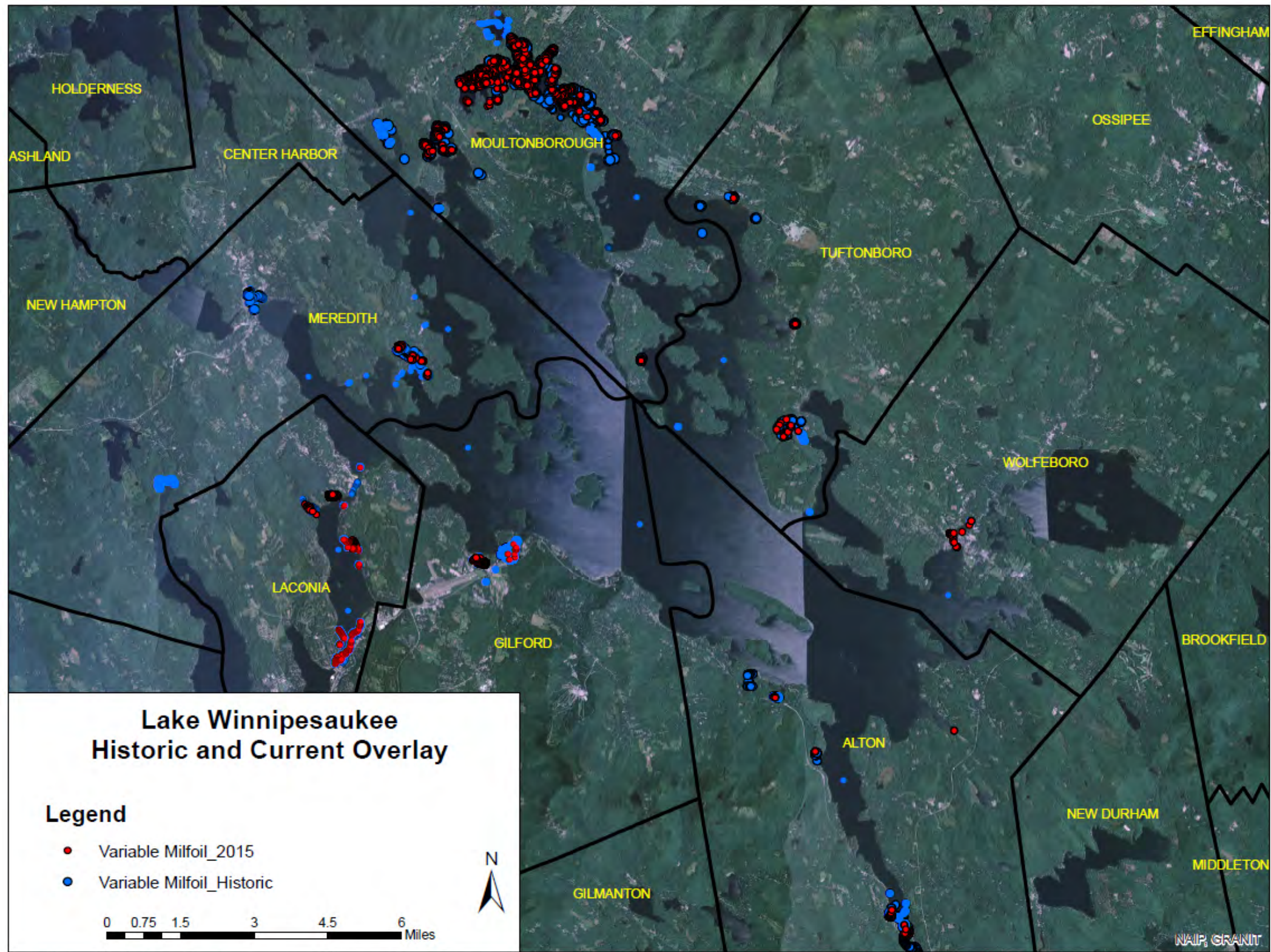
March 5, 2016

Presented by: Patricia Tarpey

Lake Winnepesaukee Association









Gilford Conservation Commission Glendale Cove Association



Known Variable Milfoil Growths in Gilford

- Maps shows growth in fall 2015 as surveyed by NH DES
- Known growths in vicinity of Marine Patrol docks not mapped due to construction zone
- Most islands and other shoreline areas not completely surveyed in recent years, so milfoil may be present, though not widespread due to wind/wave/substrate in most areas
- Lily Pond (by the airport) was recently surveyed and there was no milfoil in that pond.



Milfoil Control Actions

Variable Milfoil has been managed in locations where it has been documented.

- *Smith Cove has received an herbicide treatment and several consecutive years of diving work*
- *Fays Boat Yard has been managed by herbicide and diving*
- *Gilford Yacht Club has been managed by herbicide and diving*
- *Lakeshore Park has been managed by herbicide and diving*
- *Marine Patrol docking areas have been managed by benthic barrier placement and diving*

Expenditures

The Town of Gilford has an annual budget of \$18,000 for milfoil control actions;

2/3 goes to milfoil control activities at Glendale, 1/3 to Lakeshore Park



Variable milfoil in Gilford Yacht Club, Gilford

Smith Cove

Smith Cove - removing
milfoil since 2007.

Expenditures

\$30-32,000 per year

Raise \$10,000 from
Homeowner
Associations, Yacht
Clubs

Hand pull 2-3 weeks in
June, 3 weeks in July



Volunteers

Lake Host Program

Milfoil Committee

Glendale Cove
milfoil group



Accomplishments

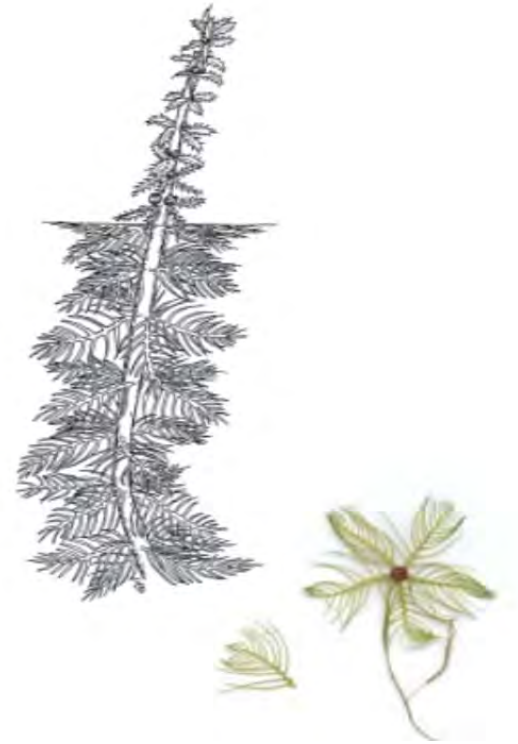
Current state of milfoil infestation in Smith Cove is managed through diving only now

Lakeshore Park area still using herbicide

Gilford CC only supports Dive/DASH activities

Going Forward

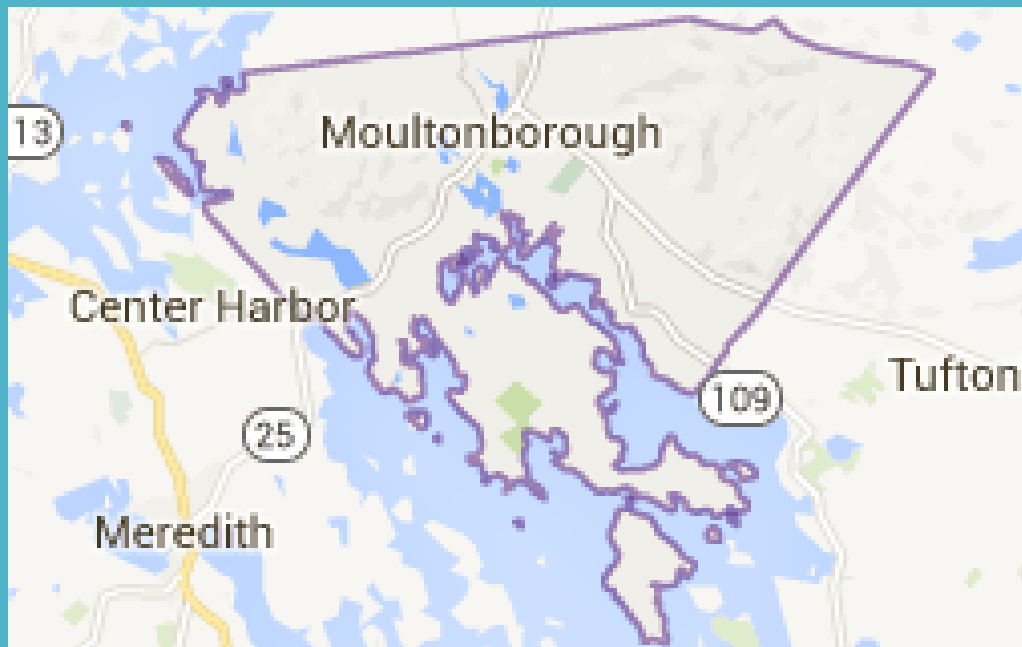
- If milfoil growth is suspected elsewhere in Gilford, NHDES can perform survey work of shoreline areas and shallows recommend management
- Gilford should work towards model of other towns around Lake Winnepesaukee, establishing a milfoil committee to address milfoil town-wide.
- DES can prepare a long-term management plan for the town as a whole, with recommendations for milfoil management as may be appropriate, based on survey results. A long term plan exists for Smith Cove at this time.
- If local residents would like to learn how to perform volunteer survey work for milfoil and other invasive plants, DES can provide a Weed Watcher training for a group of interested individuals.





Town of Moultonborough Milfoil Committee

MANAGING MILFOIL OVER THE YEARS



Moultonborough Milfoil Committee Web Page

[Town of Moultonborough Milfoil
Web Page](#)



Address: PO Box 139
6 Holland Street
Moultonborough, NH 03254

Phone: 603-476-2347

Fax: 603-476-5835



[Meeting Agendas/Notices:](#)

[Meeting Minutes](#)

Milfoil Control Program:

[Long-Term Variable Milfoil
Management Plans](#)

[Lake Host Program](#)

[Weed Watcher Program](#)

[Milfoil Joint Committee \(IMA\)](#)

[Maps](#)

[Weed Watcher Training](#)

[2015 Weed Watcher Training](#)

[Milfoil Videos](#)

Additional Links:

[Ever Heard of Milfoil?](#)

[Milfoil Examples](#)

[Milfoil's Economic Impact](#)

[VOLUNTEER TO HELP](#)

[More Information](#)

[Water Restrictions](#)

Committee Members

Karin Nelson (Chair)

Ginny Gassman (Secretary)

Paul Ardito

Al Hoch

Dave Joyce (Alternate)

Committee Members

Paul Daisy

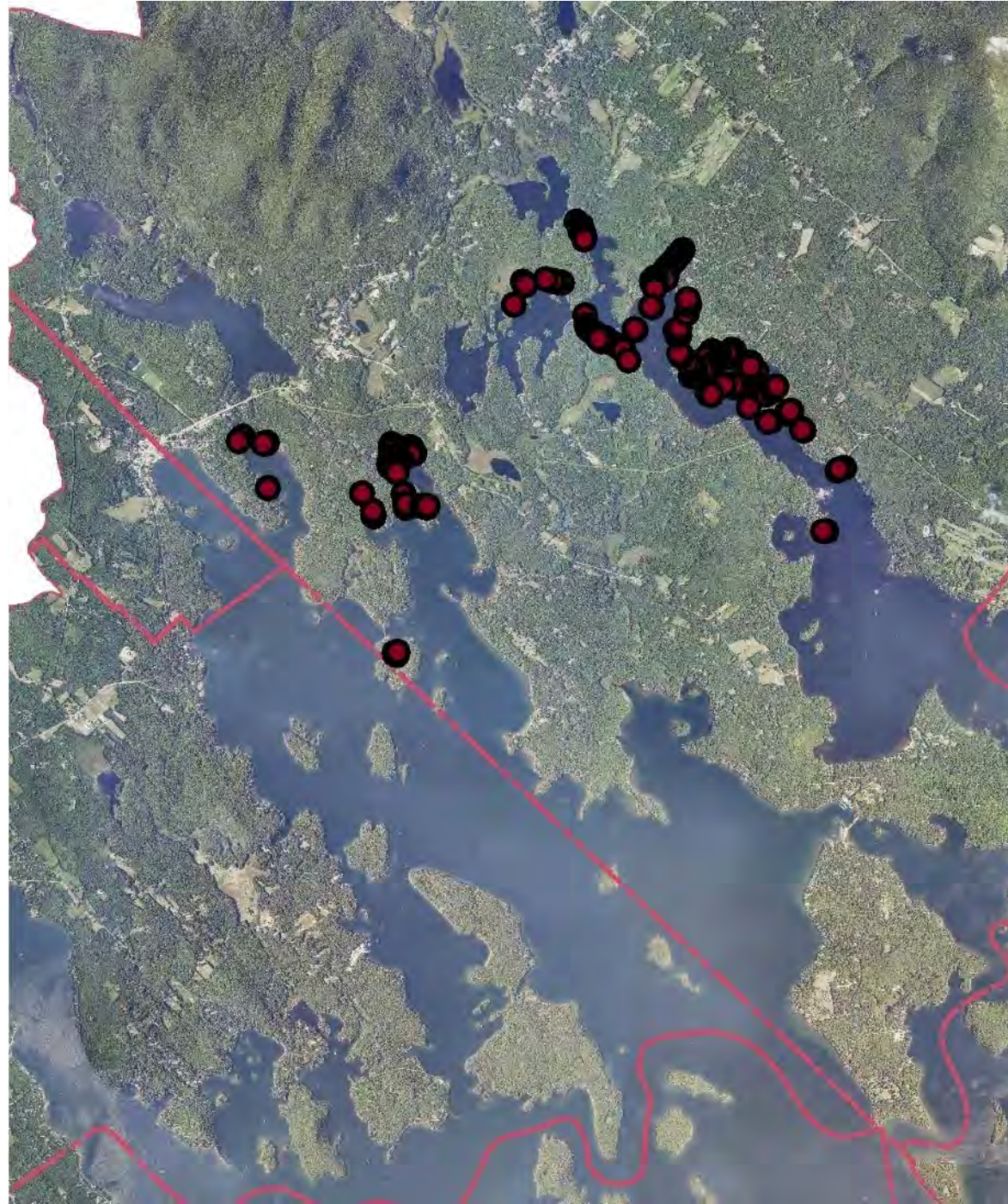
Bev Nelson

Scott Bartlett

Cathy Cunningham (Alternate)

Expenditures

The Town of Moultonborough has appropriated approximately \$200,000.00 annually for the past 5 years.



Volunteers are Key

Lake Hosts

Weed Watchers

Quality Control

Manage Vendors

Coordinates DES and Herbicide
Treatments

Volunteer Hours -
average 3000-4000
hours per year



Accomplishments

Less Milfoil – reduced treatment areas from 450 acres to 53 acres in 2015

Less Density

Testing New Ideas

Benthic Barriers

Curtains Barriers

Vacuuming Mature Plants

2 Control sites

Developed system for communicating weed watcher data through the committee to the vendor

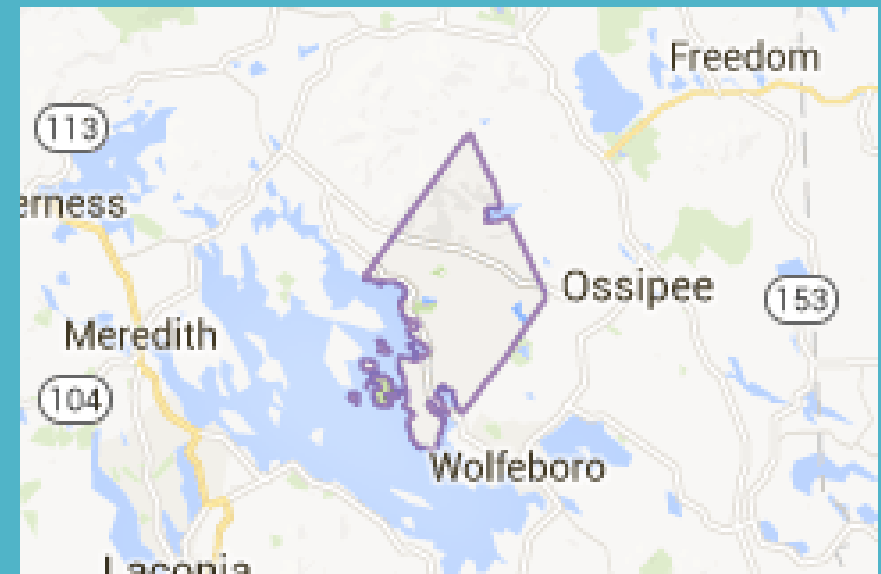
Education (classroom & field training)

Prevention of further infestations





Town of Tuftonboro Milfoil Committee



Website

Mission Statement

The mission of the Tuftonboro Milfoil Committee is to identify and monitor the presence of variable milfoil and other invasive aquatic species on bodies of water within the town, to educate residents and visitors about its presence and methods for limiting proliferation, and to advise and assist the Board of Selectmen in implementing and executing a long term plan for management and control in cooperation with the IMA Milfoil Joint Board and the New Hampshire Department of Environmental Services.

Milfoil Committee

[Printer-Friendly Version](#)

[Meeting Agendas](#)

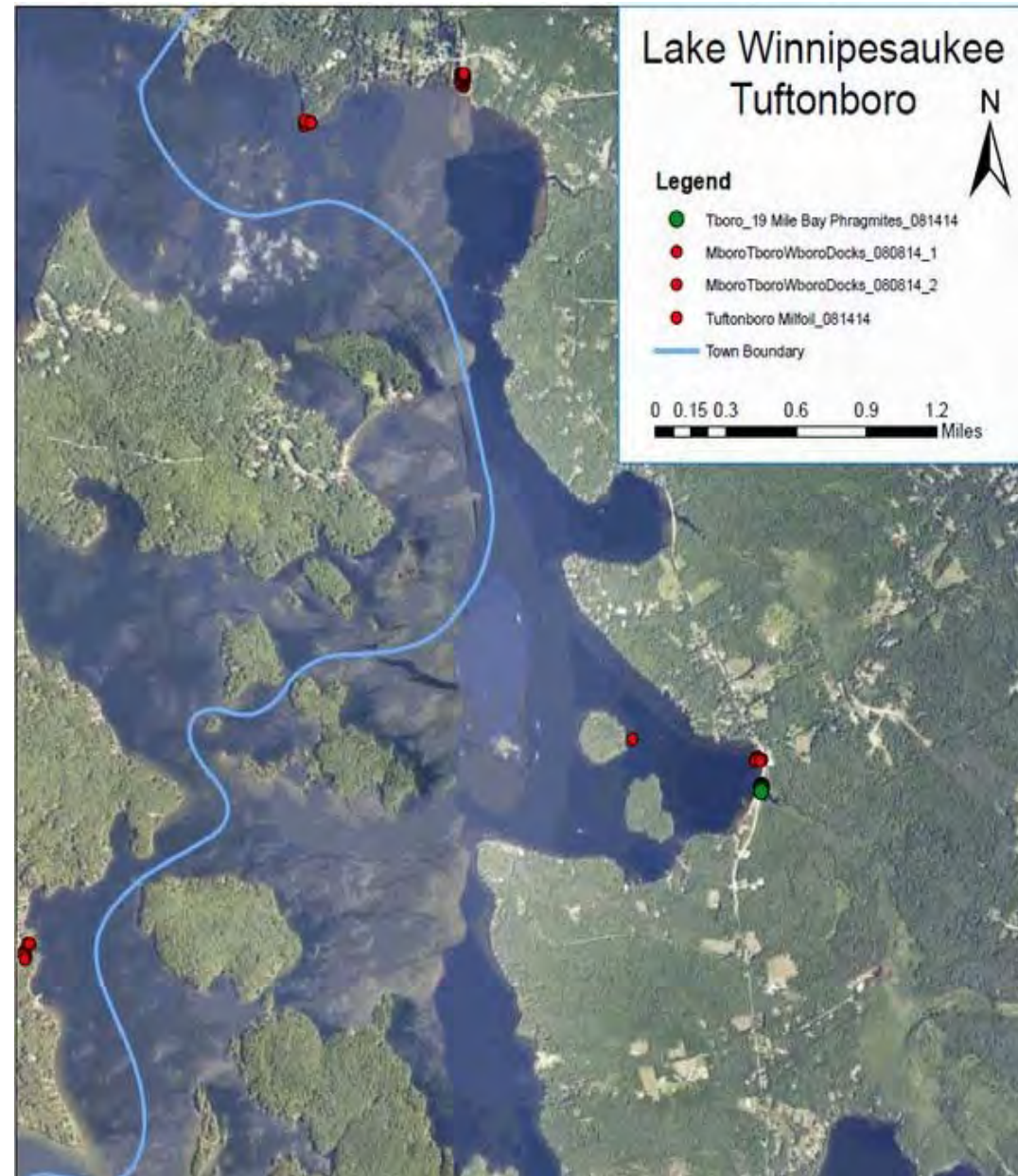
[Meeting Minutes](#)

Additional Links:

DES Exotic Species	Tuftonboro Long-Term Milfoil Management Plan for 2015	Milfoil Fact Sheet
Milfoil Survey Maps	Milfoil IMA Joint Board	NH Department of Environmental Services
Suction Harvesting Video	Toxicology & Environmental Fate of 2,4-D	Tuftonboro Milfoil Control Map - Summer 2011
NHDES Weed Watcher Program	Wolfeboro July 4th 2012 Parade Photos	

Member	Title	Term Expires
Bill Marcussen	Chairman	June 2014
Bruce Casper	Member	June 2015
Ellen Watts	Member	June 2015
Russ Baerenklau	Member	June 2016
Dan Williams	Member	June 2014
Steven Wingate	Member	June 2016
Dan Duffy	Selectmen's Representative	

http://www.tuftonboro.org/Pages/TuftonboroNH_boards/milfoil



Expenditures

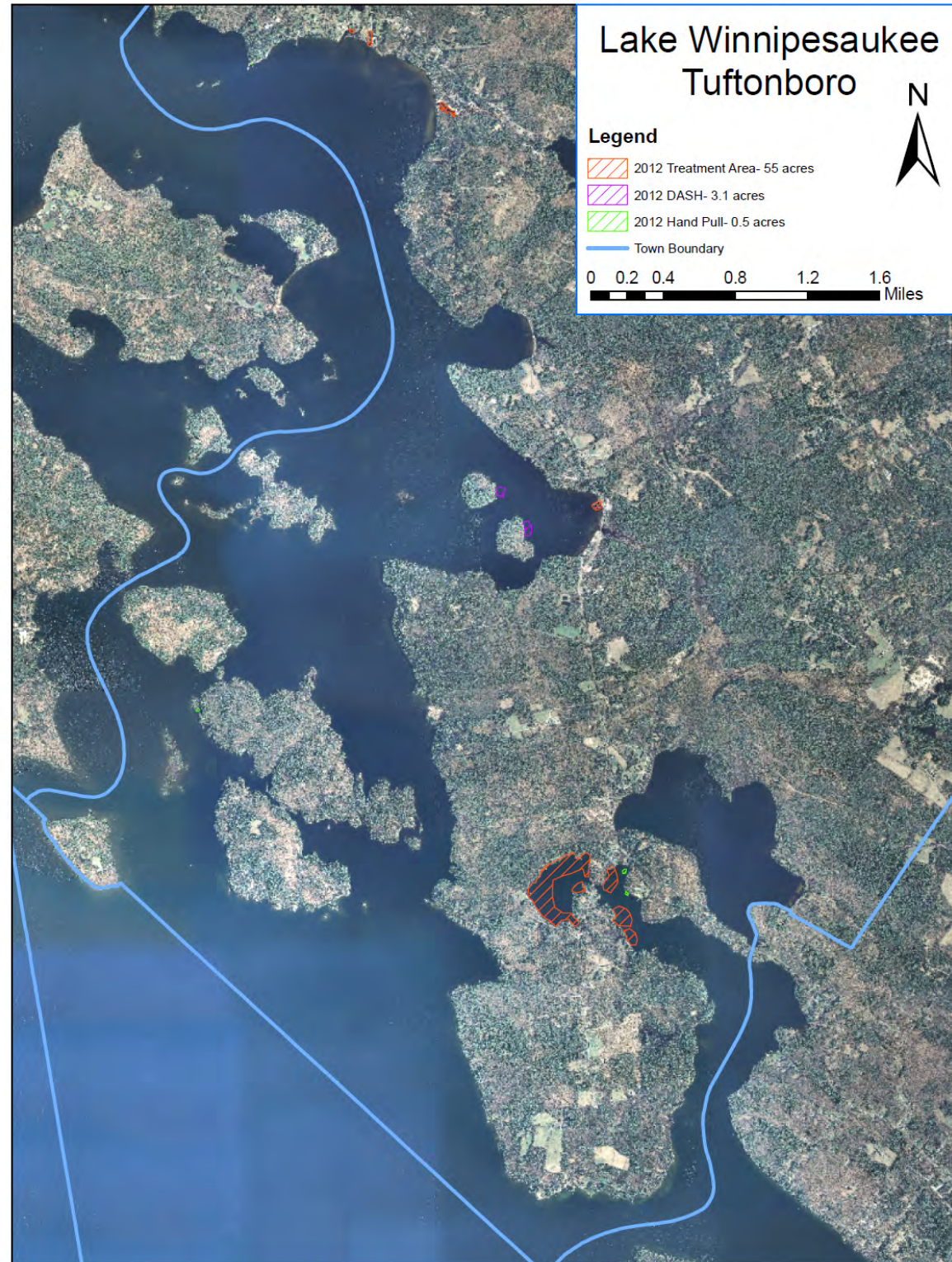
Tuftonboro, NH has a trust fund set up to pay for expenditures with about \$10,000 available.



	2012	2013	2014	2015 Budget
Herbicide Treatment	\$26,950 55 acres	\$18,070 29 acres	\$6,805 1 acre	--
Diver Harvesting	\$8,125 6 days	\$5,079 5 days	\$5,470 5.5 days	\$10,080 12 days
Phragmites Lake Host	\$300	\$300	\$1,300	\$3,900 \$1,300

Control Methods

Herbicide Treatment
DASH Unit
Hand Pulling



Volunteers

Weed Watchers

Divers

Town support

Lake Hosts

Accomplishments

Have reduced chemical treatments

Developed flyer and purchased plastic boxes for display at boat launches

Have signs at all launches

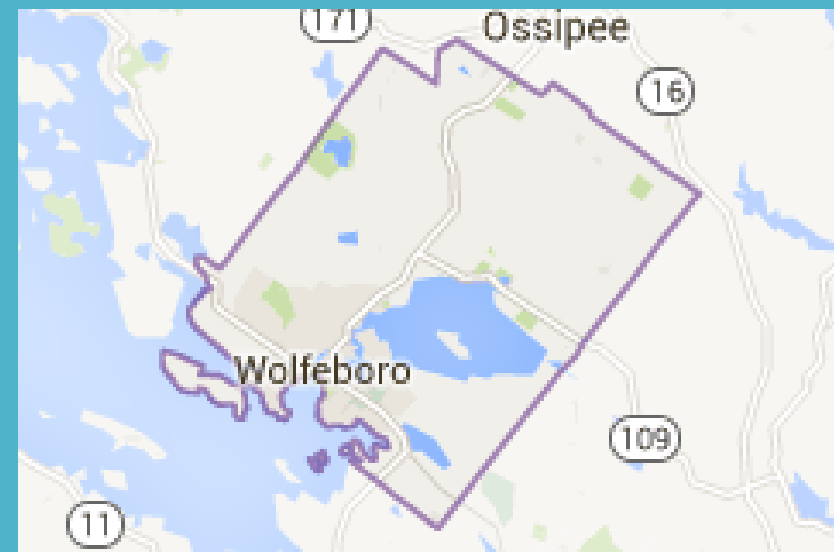
Member of Tri-Town Milfoil Committee and DASH unit

Education and outreach - newspaper articles, one on one education with property owners, training, etc.





Wolfeboro Milfoil Control Committee



Website

Milfoil Committee

[Printer-Friendly Version](#)

[Meeting Agendas](#)

[Meeting Minutes](#)

Committee Members

Name	Position	Term Expires
Kathy Barnard	Chairman	2017
Ken Marschner		2016
Susan Goodwin		2017
Kurt Dietzer		2016
Tom Wachsmuth		2016
Rebecca Bartlett		2016
Marc Martin		2017
Stacie Jo Pope		2017
Linda T. Murray	For Selectmen	

http://www.wolfeboronh.us/Pages/WolfeboroNH_BComm/Milfoil/index

Expenditures

The Town of Wolfeboro New Hampshire has budgeted \$38,700 for diver activities and milfoil treatments in 2013, 2014, 2015.

In 2011 and 2012, ~\$17,000 allocated for diver activities



Volunteers

8 Member Committee -
appointed by Board of
Selectmen

100 hr./year

Milfoil Committee members
assist divers to collect
fragments, empty containers
and other activities

Milfoil composted at Spider
Web Gardens

Lake Host program



Accomplishments

Volunteer divers

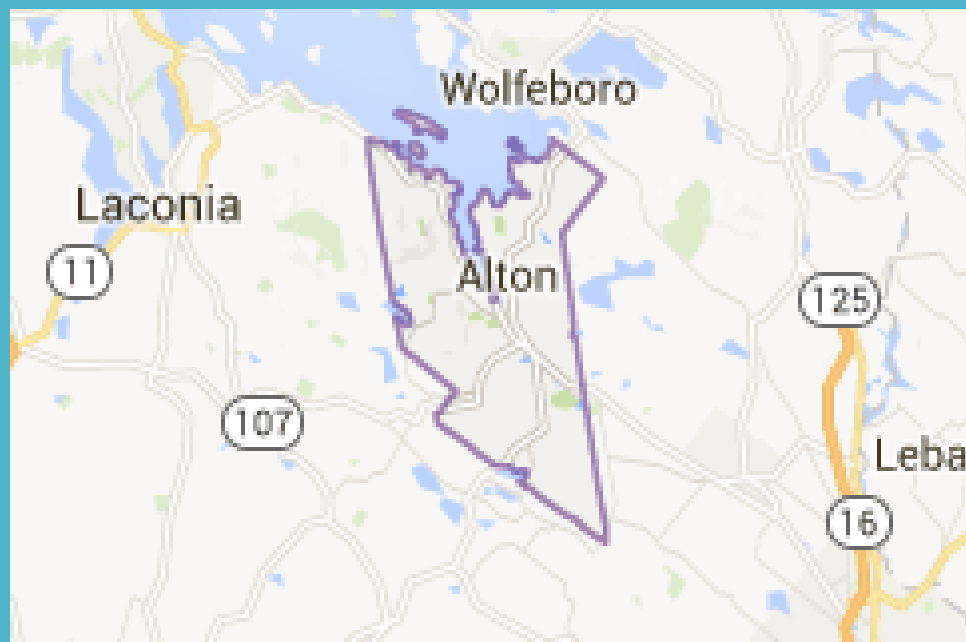
The milfoil growth
has been brought
under control.

Annual work is still
needed.





Alton



Alton Milfoil Committee

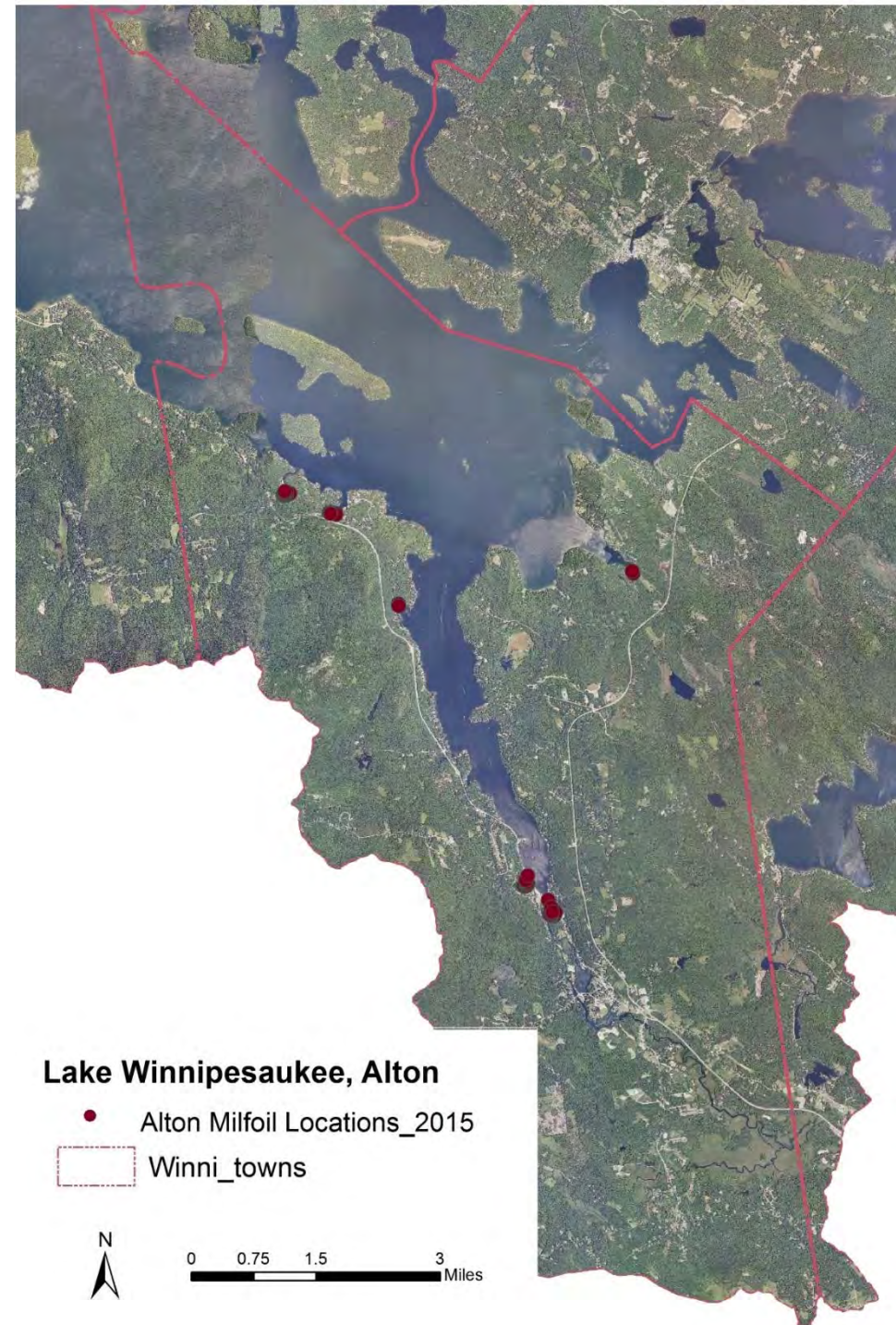
- Organized in 2008
- 6 Members
- Town Appointed
- Contract out all milfoil work

Expenditures

Since 2010 spent about \$114,000

60% on DASH

2014 cut to \$24,000



Control Methods

Treatments - end of 2014 trouble spots under control (mostly in coves)

Areas treated - massive infestation in Merrymeeting River, no milfoil in Merrymeeting Lake

Two Town wells in scope of river, so no chemical treatments allowed

Removed 3000 gallons in 2014



Volunteers

Lake Host Program

Weed Watchers

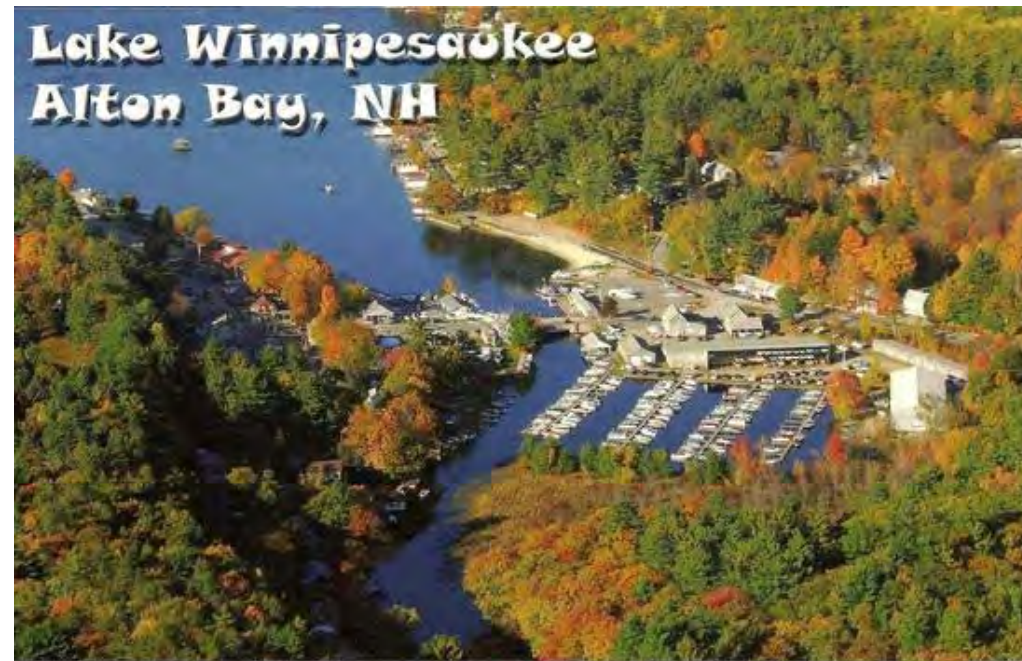
Milfoil Committee

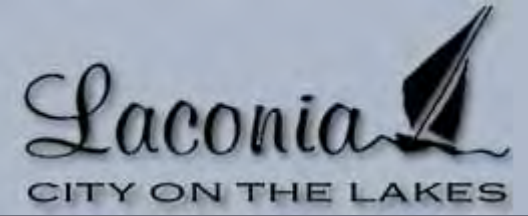
Water Quality Monitoring

Accomplishments

Most under control

Predictable growth





Laconia



Expenditures

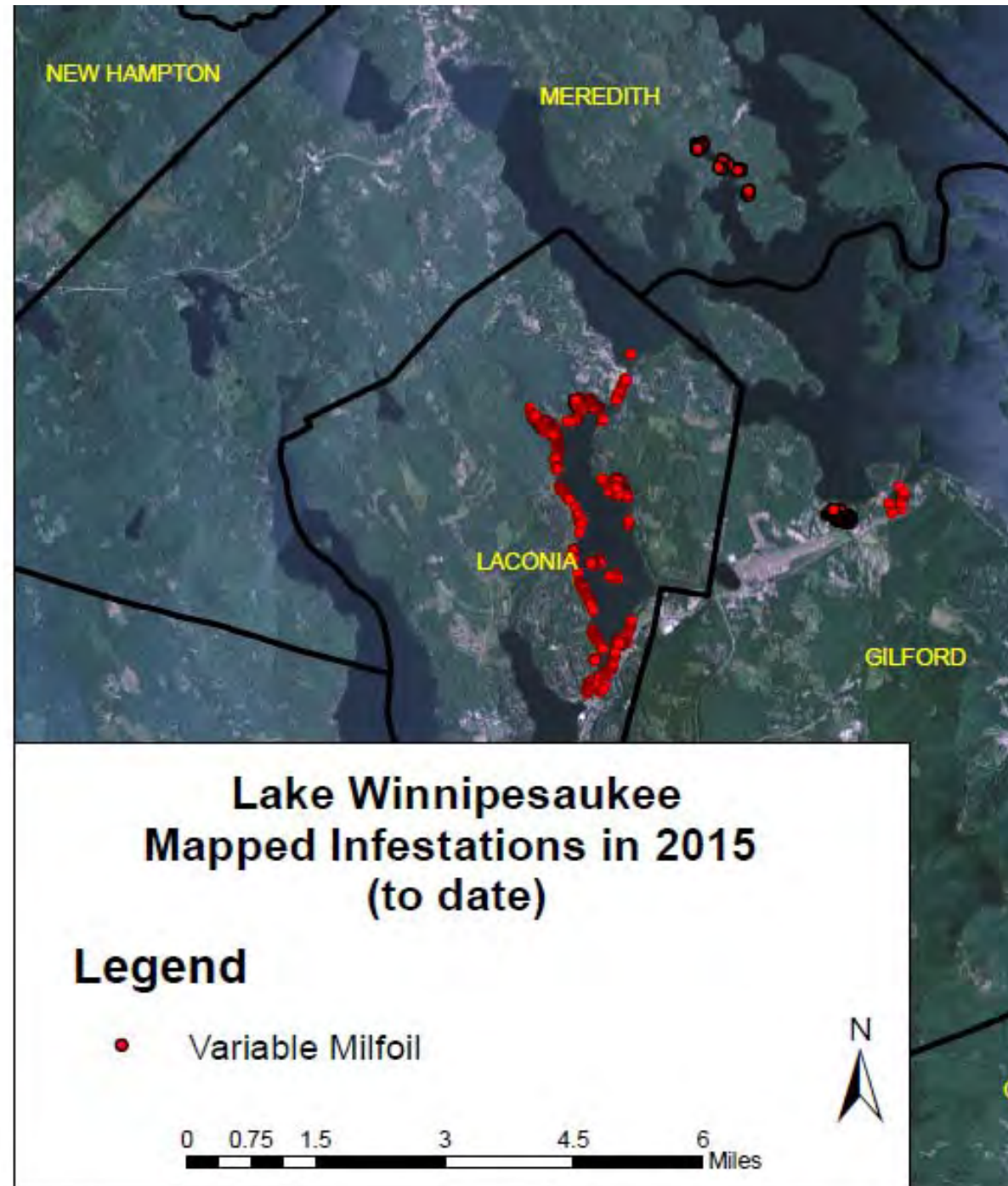
City of Laconia
formed a Milfoil
Committee at the
end of 2015.

Areas of Infestation:

Pickerel Cove

Moulton Cove

Spinnaker Cove



Control Methods

Paugus Bay

Limited chemical treatment
Drinking water supply for Laconia

Pickerel Cove

18 acres, 30 homes

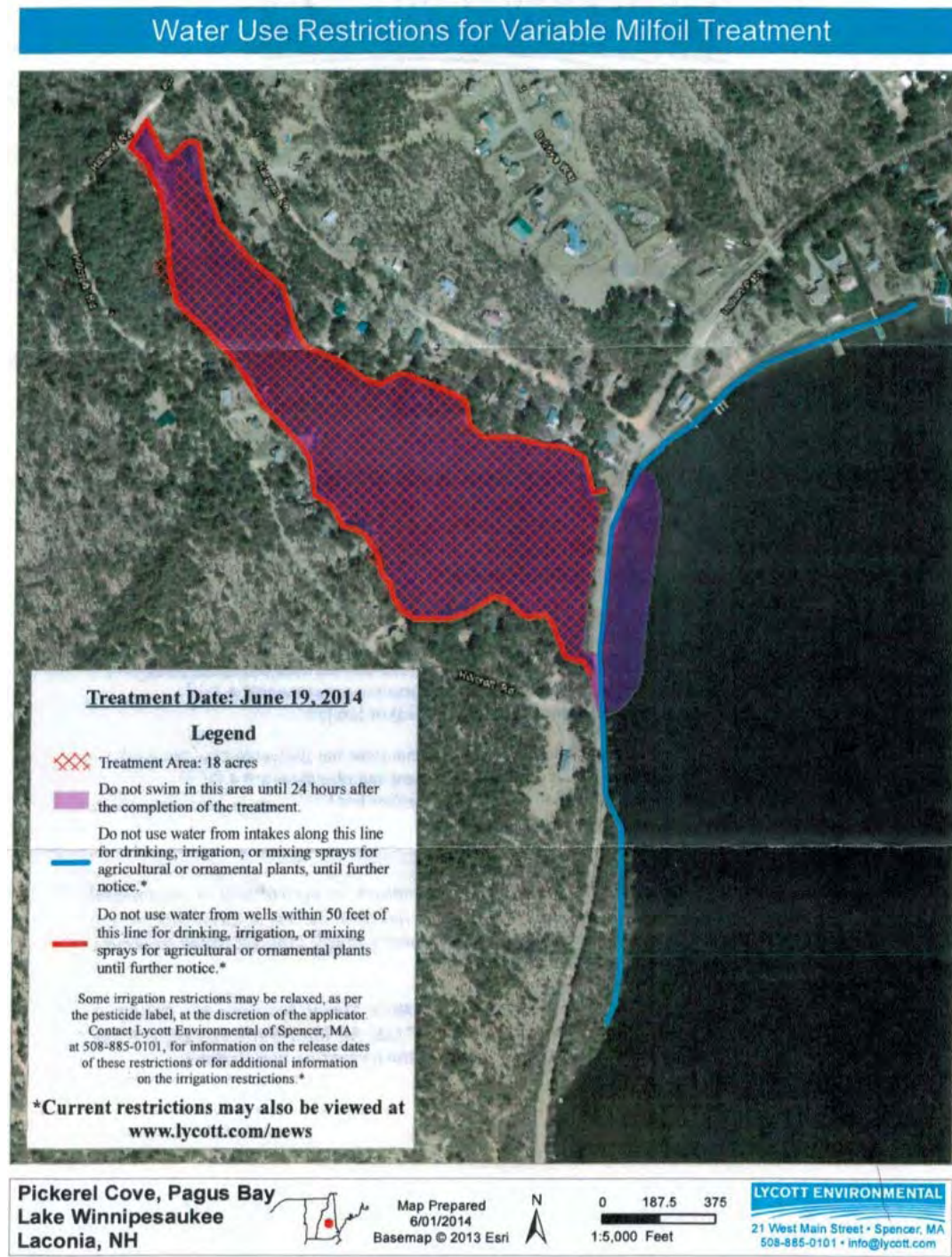
Treating for ~ 8 yrs with chemicals

Treat in early June

Used divers in 2010 but it was
cost prohibitive



Laconia



Volunteers

Weed Watchers

Homeowner and lake associations

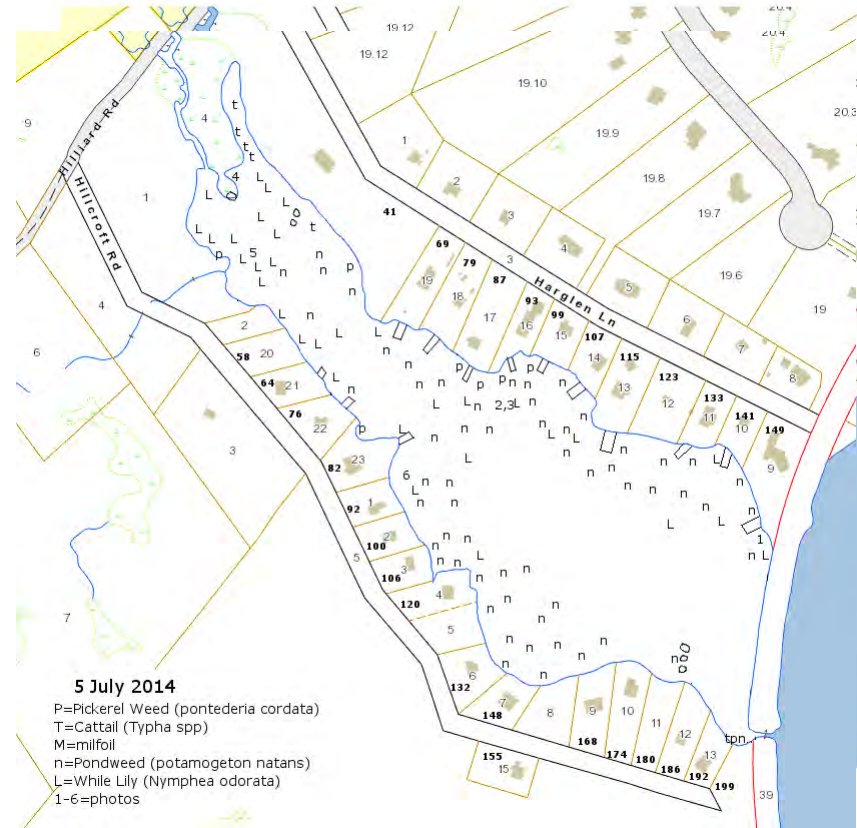
Private funding from residents in Pickerel Cove



Pickerel Cove Weed Watchers Report

by Eric Ryherd - 93 Harglen Lane, Laconia, NH - 603 930-8822 - eric@ryherd.com

5 July 2014



Pickerel Cove Homeowners Association Web site:

Accomplishments

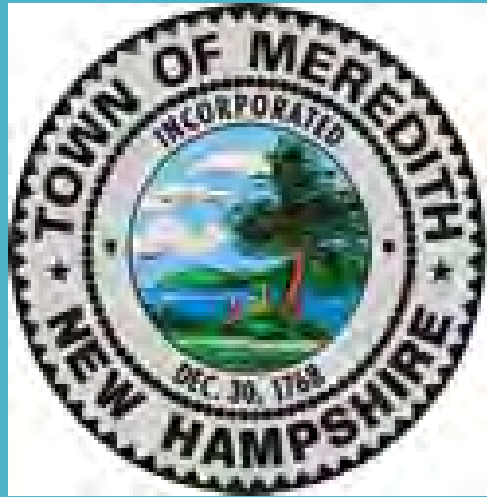
Pickerel Cove -

Limited success with
herbicide treatment only
Milfoil always grows back

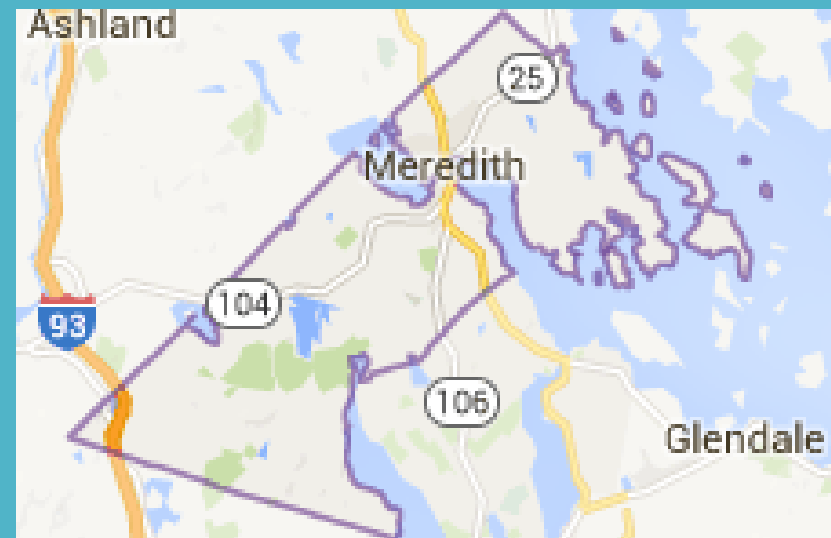
Future Plans

- Milfoil Committee
- Weed Watchers
- Paugus Bay Milfoil Management Plan





Meredith



Expenditures

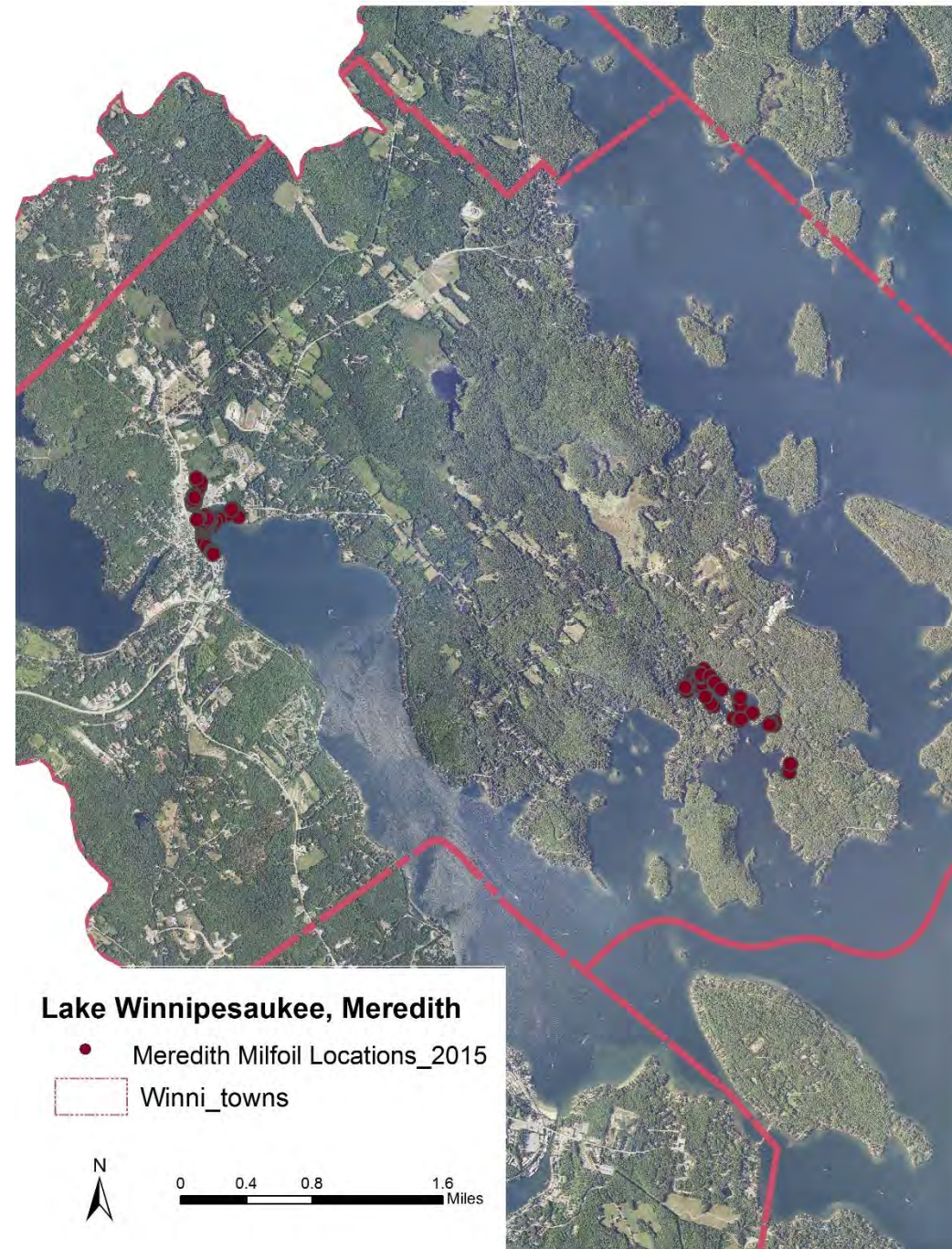
The Town of Meredith spends approx. \$27,000 annually on prevention and control

No Volunteer Program

Staff directed

Line item in budget

Approx. 12 abatements for property owners in Tommy's Cove since 2006
- milfoil is one contributing factor



Control Methods

Started in 1991

Mostly reactive

2 areas of treatment

Fish Cove area and north
area of Meredith Bay

2015 treatment plans

Meredith Bay - dive only

Fish Cove - significantly
reduced chemical treatment
augmented with DASH



Volunteers

Lake hosts - 4 ramps

2 on Winnepesaukee

1 on Wicwas

1 on Waukewan

Wicwas and Waukewan are both milfoil free

Weed Watchers Program -
Active through the Waukewan and Winona Watershed Protective Association



Accomplishments

Milfoil Management Plan has resulted in directed activities and significant reductions in infestations

Reduction in treatment area in Fish Cove from 32 ac to 4.5 ac in 2015

Meredith Bay has moved from chemical treatments to dive only.

Worked to protect Loons



Future Plans

- Continue to fund prevention and control
 - annual budget item
- Manage in order to stay with non-chemical treatment
- Maintain proactive environment with NHDES
- Continue to monitor funding through NHDES and NH LAKES



Going Forward

Communities have invested a lot of time and money in the battle to control and manage milfoil

- ~ \$360,000 spent annually by communities and homeowner associations
- most areas of milfoil are at the management stage now

Winnepesaukee Environmental & Community Action Network (WECAN!)

How can WE-CAN continue to help the AIS and milfoil effort in the future?

- *More outreach and education of boaters and the general public on aquatic invasive species,*
- *More on the water training to be able to identify and distinguish native from non-native plants*
- *the need for volunteers in all aspects of AIS – Weed Watchers, AIS Committees, Lake Hosts*
- *vigilance and consistent management of milfoil*
- *a more comprehensive and coordinated effort on Winni*
- *need to reduce costs, streamline efforts*

HB 1589

Boater is responsible to make sure he/she is not transporting aquatic nuisance species by requiring the inspection and draining of all boats and water-related equipment upon leaving state waters.

TOP 5 REASONS

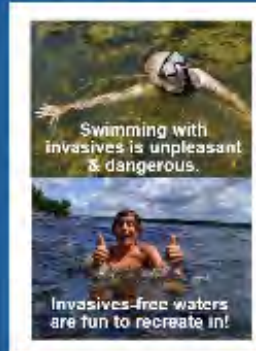
to support
mandatory **CLEAN + DRAIN** boating practices for our lakes & rivers



1 Boaters who **CLEAN** off all plant fragments on boats & trailers between waterbodies will stop the spread of invasive plants.



2 Boaters who **DRAIN** water from boat livewells, bilges & motors between waterbodies will stop the spread of invasive animals.



3 Boaters can **PREVENT** the spread of invasive species keeping our lakes and rivers safe & enjoyable.



4 Boaters who **PREVENT** the spread of invasive species help benefit the NH economy in many ways.



5 The **CLEAN & DRAIN** approach is **FREE & SIMPLE**. Many boaters are already doing it!

Support HB 1589 to protect our lakes & rivers from aquatic invasive species!



CONTACT: NH LAKES Association 603-226-0299 info@nhlakes.org www.nhlakes.org