

Land Maintenance by the Water's Edge



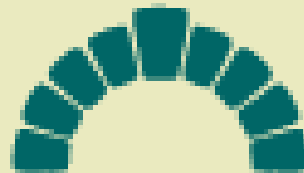
October 19, 2010

**Jared Teutsch,
NH LAKES President**



A special thanks to our sponsor

- New Hampshire Charitable Foundation



NEW HAMPSHIRE
CHARITABLE FOUNDATION

Please visit our exhibitors

- **New Hampshire Department of Environmental Services**



- **NHSC-GZA, Inc.**



- **Normandeau Associates**



Land Maintenance by the Water's Edge

- 8:00 – 8:30 am: Registration (complimentary continental breakfast & visit exhibitors)
- 8:30 – 9:00 am: Introduction and Welcoming Remarks
- 9:00 – 9:30 am: Plenary Session
- 9:30 – 9:40 am: Break (beverage refresh & visit exhibitors)
- 9:40 – 10:30 am: Solutions to Common Stormwater Runoff Problems along the Water's Edge and 'Follow the Flow' Walking Tour
- 10:30 – 10:40 am: Break (visit exhibitors)
- 10:40 – 11:30 am: Solutions to Invasive Exotic Species Infestations Along the Water's Edge
- 11:30 – Noon: Shoreland and Wetlands Permits and Regulations
- Noon – 12:50 pm: Lunch & Roundtable Discussion with Collis Adams
- 12:50 – 1:00 pm: Wrap Up (fill out survey, identify future workshop interests/needs)

NH LAKES: Background & Mission

- Established in 1992.
- Statewide, **non-profit**, member-supported organization representing over 26,000 lake enthusiasts and 150 lake associations.
- We are not a governmental agency.
- **Mission: To protect NH's lakes and their watersheds.**



Statewide Lake and Pond Issues

NH LAKES **advocates** for:

- Appropriate public access
- Balanced use
- Improved safety
- Enhanced water quality
- Prevention of exotic aquatic species
- Shoreland and watershed protection
- Wildlife and habitat protection



Statewide Lake and Pond Issues

NH LAKES **educates** and informs through our:

- Website (www.nhlakes.org)
- Quarterly newsletter, *Lakeside*
- Monthly e-newsletter, *Shorelines*
- Annual Ice Fest – **February 2011 at Cobbetts Pond in Windham**
- Annual Lakes Congress meeting– **June 24, 2011, at Cobbetts Pond in Windham**
- Speakers Bureau
- Legislative Weekly emails
- Lake Host™ Program
- Lake Conservation CorpsSM Program
- Summer Youth Employment Program
- Innovative Weed Control Program
- Articles in newspapers, publications, etc.



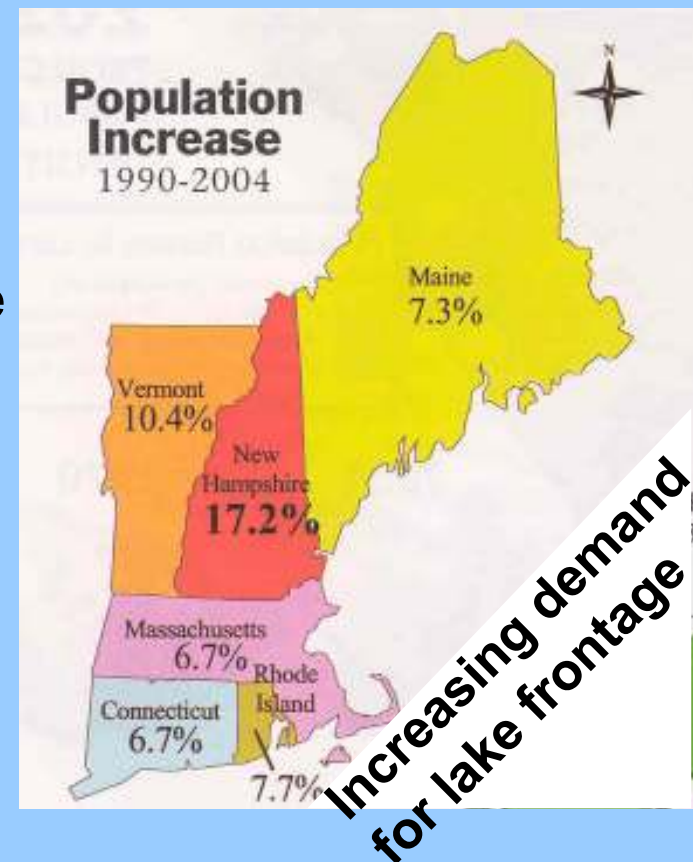
What is NH LAKES doing about one of the biggest threats to NH's lakes?



- **Stormwater runoff:** water from a precipitation event that does not sink into the ground and instead runs across the landscape picking up pollutants before flowing into a water body.

Shoreland Protection

- Population growth is putting an increasing demand on shoreland development.
- NH has been the fastest growing state in the Northeast for the past 40 years!
- Seasonal “camps” around NH lakes and ponds are being converted to year-round residences.
- Marginal waterfront land is being developed.
- **Causing:**
 - Changing shoreline “character.”
 - Loss of wildlife habitat.
 - **STORMWATER RUNOFF and degraded water quality!**



The Solution: NH LAKES Lake Conservation CorpsSM Program

- **Education and water quality restoration program.**
- **Goal: Actively involve teenagers in shoreline and watershed land restoration projects to:**
 - Improve surface water quality!
 - Foster a lifelong interest in the responsible stewardship of natural resources!
 - Showcase lake-friendly landscaping projects to the community to encourage wise lake stewardship.
 - Help property owners understand what projects they can do without a permit.
 - **Motto: Vegetate and infiltrate to protect your lake!**



The Solution: NH LAKES

Lake Conservation CorpsSM Program

- **Education and water quality restoration program.**
- **Goal:** Actively involve teenagers in shoreline and watershed land restoration projects to:
- **How it works:**
 - Involves possible partnerships on many levels (school, association, town, funders)
 - NH LAKES provides as-needed technical, administrative, & educational instruction, project management, and assistance with securing funding.
 - If students/teacher are hired for summer work, NH LAKES is official employer and provides insurance.
 - **NH LAKES has implemented the LCC in nine communities and program structure has been different in each.**



Bristol – Summer 2007



Polluted stormwater runoff from parking lot and roof tops flowed into a storm drain which flows to the Newfound River



Students constructed a rain garden to collect and filter runoff to minimize pollution to river.

Partners:

- NH LAKES
- Acton Wakefield Watersheds Alliance
- Belknap Landscape
- Casey Kuplin Landscaping
- Newfound Lake Region Association
- Newfound High School
- Simple by Nature
- UNH Cooperative Extension



Bradford – Summer 2008



Polluted stormwater runoff from steep dirt road and parking lot eroded town beach and polluted Lake Massasecum.



Students constructed a Infiltration steps to Collect and filter runoff to minimize pollution to the lake.

Partners:

- NH LAKES
- Acton Wakefield Watersheds Association
- Found Well Farms
- Kearsarge Regional High School
- Lake Massasecum Improvement Association
- Moose Plate Grant
- Town of Bradford
- UNH Cooperative Extension



Bradford – Summer 2008



Interpretive signs educate visitors, promote the program and recognize partners.

What is NH LAKES doing about one the biggest threats to NH's lakes?



Invasive Exotic Aquatic Species: Species that came to NH from somewhere else and are able to outcompete species that naturally evolved here.

NH LAKES Lake Host™ Program

- NH LAKES Lake Host Program™:
 - First line of exotic aquatic plant **PREVENTION.**
 - Initiated in 2002.
 - Grant program implemented by NH LAKES in cooperation with local groups.
 - Funded in part by DES, federal government, lake associations and municipalities.



NH LAKES Lake Host™ Program

- Program successes 2002 - 2009:
 - 297,404 boats have been inspected.
 - 813 “saves” have been made of exotic species either entering or leaving a waterbody.
 - No new exotic plant infestations have been found in lakes being protected by the Lake Host™ Program and the DES Weed Watchers Program.
 - 2009 was a record-breaking year saves made. (297 saves!)
 - Results for 2010 still being tabulated
 - **267 saves**
 - **Over 62,000 inspections (a record!)**



NH LAKES Lake Host™ Program 2010

- 2010 was our biggest year yet!
 - 72 participating organizations.
 - 90 ramp sites (87 in 2009)
 - Continued Lake Host coverage in the North Country! (Pittsburg Errol, Littleton-new!).
 - Continued Lake Winnepesaukee coverage! (Meredith, Gilford, Wolfeboro, Tuftonboro)
 - Increased Winnepesaukee coverage (Moultonborough, Alton)



NH LAKES 2010 Innovative Exotic Weed Control Program

- New Program in 2010!
 - Received a federal appropriation and generous private foundation to support **non-chemical control** of exotic aquatic plants.
 - Providing funding for 16 groups.
 - Projects range from buying diving equipment for volunteer divers, to hiring certified weed control divers to remove plants, to groups purchasing Diver Assisted Suction Harvesting Machines to remove plants.



***So, why host a
Land Maintenance by the Water's Edge training
workshop for Department of Public Works leaders and
road and highway agents?***



***NH LAKES,
while a statewide organization,
helps protect and improve lakes and their watersheds
through local action.***



***We want to know how we can help you do your job while
protecting local waterbodies from stormwater and
invasive species!***