“WHAT DO ICE CREAM & CLEAN WATER HAVE IN COMMON?”

Bob Moore, Executive Director
Friends of the Cobbossee Watershed

May 18, 2009
• 28 Lakes & Streams
• 217 square miles
• 15,000+ households
MAINE’S LAKES – ARE THEY IMPORTANT?

- 6,000+ of them
- Supply drinking water to over ½ of population
- 250 billion gallons/yr flow into Gulf of ME
- $2.3B spent w/ $3.5B total economic activity/yr*
- 640,000 residents use annually*
- 65,000 youth campers use each year*
- 52,000 jobs provided*
- Significant source of property taxes

* 1996 Boyle Study, UMO
Updated July, 2005
MAJOR THREAT 1A!
Non-Point Source Pollution (Algae Blooms)

- Estimated property tax loss for each meter of clarity loss -
  $65 - $140/ft...$256M - $512M statewide* (Cobossee alone - $12.5M)

A scientist examines blue-green algae scum from Missisquoi Bay in Lake Champlain, VT.

In Maine, 53 lakes suffer from “nuisance” algae blooms, including two within the Cobossee Watershed. In addition, there are another 500 lakes currently at risk in Maine.

* 1996 Boyle Study, UMO
MAJOR THREAT 1B!
Invasive Aquatic Plants (Milfoil & others)

- Now in 30 of Maine’s lakes including 2 in the Cobbossee Watershed
- Eradication virtually impossible - CA once tried paving a lake bottom
- FL spends $25M/yr just to control one type of IAP – Hydrilla
- Lake Arrowhead, Limerick - $300-$400 per property abatement in 2007
- Over 500 lakes In New England alone contain Eurasian Milfoil

In East Texas, Residents Take On a Lake-Eating Monster

Mike Turner sprays herbicide recently on the weed Salvinia molesta on Caddo Lake near Uncertain, Tex. The USGS calls Salvinia molesta one of the world’s most noxious aquatic weeds, with an ability to double in size every two to four days and cover 40 square miles within three months, suffocating all life beneath. The plant is officially banned in the United States, but it is carried from lake to lake by oblivious boaters, to the point where some private lake communities now limit access to boats already there. (NY Times 7/30/07)
Cobbossee Watershed District

• Formed in 1973: Maine’s first and only Watershed District
• Eight member municipalities
• Major focus - water quality analysis, lake restoration, watershed protection, water levels management, community outreach & education

(7) Individual Lake Associations

With CWD and individual lake associations already existing, why do we need the Friends?
<table>
<thead>
<tr>
<th>Year</th>
<th>Members</th>
<th>Revenues</th>
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<tbody>
<tr>
<td>2002</td>
<td>71</td>
<td>N/A</td>
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<tr>
<td>2003</td>
<td>1000+</td>
<td>$200K</td>
</tr>
<tr>
<td>2004</td>
<td>2000+</td>
<td>$212K</td>
</tr>
<tr>
<td>2005</td>
<td>4000+</td>
<td>$353K</td>
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<td>2006</td>
<td>4900+</td>
<td>$342K</td>
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<td>2007</td>
<td>5300+</td>
<td>$358K</td>
</tr>
<tr>
<td>2008</td>
<td>5500+</td>
<td>$389K</td>
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How did we get here?
It all started with ICE CREAM!
Organization Timetable

- 2001 – Organization Incorporated
- 2002 – Original OTTER Debuts
- 2003 – 1st Employee Hired; Programs Launched; AmeriCorps Secured
- 2004 – Program Staff Added; Tadpole Patrol Debuts
- 2005 – Year-Round Education; Funding Sources expand
- 2006 – OTTER II replaces OTTER; Identity Campaign; AmeriCorps – Gone!
- 2007 & 2008 – Record #’s in programs; Seasonal Staffing hits 30!
Board of Directors

Jeff Timm, President
Ken Smith, 1st VP
Rick Smart, VP & Treasurer
Kristie Rowell, Secretary
Conrad Ayotte
Rob Brown
Vivian Dennett
Paul Dube
Doug Grant
Tom Johnston
Jean Kirkpatrick
Sue Neal
Margaret Peacock
Chuck Ravis
Norm Rodrigue
H. Allen Ryan
Pat Sirois
Jay Snider
Bill Sprague, Jr.
Robin Struck
Brian Sylvester
Rick Thacker
Sherry Thacker
Heinz Walbaum
Gary Williams
Milt Wright

Staff

Bob Moore, Executive Director
Jay Lindsey, Slow-the-Flow & LakeSmart-Start! Program Director
Tamara Whitmore, Education Director
Toni Pied, MilFoiler Program Director
Shannon Brown, AmeriCorps Intern
2006 - Identity Campaign

Friends of the Cobbossee Watershed

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Friends of the Cobbossee Watershed
The “OTTER”

2002 4 LAKES - Cobbossee, Maranacook, Annabessacook, Pleasant

First day - July 1  Last day - August 19
The “OTTER II”

2008 11 LAKES Cobbossee, Maranacook, Annabessacook, Pleasant Pond, Woodbury, Sand, Buker, Cobbossee Stream, Wilson, Torsey, Cochnewagon

Operating mid-May through mid-October
Public Appearances

Director Bob Moore at the Berry/Dexter/Wilson Watershed Association Annual Meeting – Ladd Center, Wayne. BDW is 1 of 7 volunteer lake associations within the Cobbossee Watershed

Education Director Tamara Whitmore with member John Blouin and daughter at the 2007 Manchester Lion’s Club Home & Garden Show, Augusta Civic Center
Public Appearances

Whatever Festival “Kids Day in Capitol Park”
Public Appearances

Manchester Apple Festival

Longfellow’s Fall Open House
Public Appearances

Augusta 4th of July & Old Hallowell Days Parades
Friends Executive Director Bob Moore receives the Major Grant Award of $6,000 from Augusta Kiwanis President Bert Languet at the August 23, 2007 Kiwanis luncheon.

Friends Executive Director Bob Moore accepts the DAR Conservation Award from Koussinoc Chapter Regent Penny Jackson Pray during a ceremony held on June 11, 2007 at the Augusta City Center.
Entries

2003  97
2004  153
2005  224
2006  313
2007  436
2008  441

Special Events – July 4th 5K
Special Events – July 4th 5K
Special Events – Cocktail Fundraiser

The 6th Annual Cocktail Fundraiser & “Microwave Auction” attracted 150 guests to the home of Jay & Terry Snider on Cobbossee Lake on August 13, 2008.
A joint BAH with both Winthrop & KV Chamber is anticipated to attract nearly 200 members of the local business community this year.

**Special Events – Chamber “BAH”**

and the Winthrop Chamber of Commerce Present:

**“Business After Hours!”**

**Date:** Wednesday, May 23, 2007  
**Time:** 5:00 p.m. - 7:00 p.m.  
**Where:** Lakeside Motel & Marina  
Cobossee Lake - RT. 202, E. Winthrop

- Hot Dogs & Hamburgers, Cold Salads, Desserts  
- Beverages provided by Lakeside Motel  
- Demo Boats and Lake Tours provided by Clark Marine  
- Raffle prizes from area merchants  
- “92 MOOSE” will be on hand as “MC”

**Rain Date:** Wednesday, May 30  
5:00 - 7:00 p.m.

**RSVP to:** Bob Moore  
**Phone:** (207) 621-4100  
**Email:** mail@watershedfriends.com

2009 Event Scheduled for  
**Wednesday, May 20**
Programs

LakeSmart-Start!

Aligned with State of Maine’s LakeSmart©

Provides free site visit & consultation to CW waterfront property owners - 75+ each year!

LakeSmart-Start!

LakeSmart-Start! is a program offered by the Friends of the Cobbossee Watershed that helps reduce the amount of pollution from entering the Cobbossee Watershed. LakeSmart-Start! adds value & appeal to your waterfront property, while protecting the Cobbossee Watershed at the same time. LakeSmart-Start! is aligned with the State of Maine’s LakeSmart© program, which annually awards the prestigious LakeSmart© Award to waterfront property owner who practice sustainable landscaping.

“Want some FREE landscaping advice - and be a "Friend" to the Cobbossee Watershed?”

- Contact the Friends at 621-4100 or via email at www.watershedfriends.com
- A representative will meet with you on your site and provide you with planting tips, ideas and suggestions on the right trees, shrubs and plants for your property.
- After the meeting, you will receive a rough sketch of your property suggesting what plants to use and where to plant them.
- How much does it cost? Thanks to the sponsorship of Dr. Stoudt, Pat Jackson/Tri-City & Royal Car Wash, the cost of LakeSmart-Start! is FREE!

NEED MORE INCENTIVE?

D-R-STRUCK
Landscape Nursery
300 US 202, Windham
Offer expires: 10/31/2007

Pat Jackson Inc./Tri-City
Septic Tank Service
Call 523-2525 or 522-567

ROYAL
Car Wash
202 & Rays Hill, Windham
www.royalcarwash.net
Offer expires: 10/31/2007

Use this "CAUTION" to
save 15% on all trees, shrubs and perennial to help you become LakeSmart©, not to be combined with any other offer.

Use this "CAUTION" to
save $10 on a septic tank
cleaning & receive a free
bag of compost!

Compact must be picked up at
Pat Jackson, Inc. Windham
Offer expires: 10/31/2007
Programs – LakeSmart-Start!

BEFORE

AFTER
Programs – “Slow-the-Flow”

AmeriCorps* NCCC

2003 - 2005
Programs – “Slow-the-Flow”

Youth Conservation Corps

’05 & ’06 - 6 members
’07 &’08 - 12 members

Friends of the Cobbossee Watershed
We ‘Otter’ Have Clean Water
Programs – "Slow-the-Flow"
6 year Results

- 140 projects
- 14 water bodies
- 4 miles shoreline
- 2500 tons rip-rap
- 2,000+ shrubs
- 550 yards mulch

2008 YCC Staff came from 5 area high schools: Cony, Maranacook, Winthrop, Monmouth Academy, and St. Dom’s.
IAP’s

4 types in Maine

11 “Most Unwanted”
What can be done?

1. PREVENTION
2. EARLY DETECTION
3. PLANT CONTROL
Addition of Program Director in 2005 has fueled dramatic growth:

- Outreach
- Prevention
- Early Detection
- Plant Control
CBI’s like Dan Tyler (Annabessacook) and Jess Lucas (Maranacook - Norcross Point) are familiar sights at (10) CW boat launch sites staffed in the summer.
PREVENTION - Courtesy Boat Inspections

(L) ALIA Board members are part of the 300+ CBI’s who have been trained by Friends staff since 2004.  (R) CBI Buffy DeMatteis poses with her “catch” of variable-leaf milfoil at Woodbury Pond on Labor Day, 2005.
PREVENTION – Buoy Markers

(4) Buoy Installation
August 3, 2005
Pleasant & Horseshoe Ponds

Program Director Stefany Arsenault with Clark Marine employees Jesse Legendre & Derrick Turner on Upper Pleasant Pond
PREVENTION – Boat Wash Stations

Norcross Point Wash Station – Maranacook Lake

(L) Area contractors Jon Knowles, Brian Sylvester, Lloyd Bryant and Greg Ruby are recognized for their contributions at the NP Wash Station dedication on May 25, 2006; (R) Friends Director Bob Moore demonstrates the Wash Station.
Volunteers discuss strategy prior to conducting an IPP survey on August 4, 2006 after a boat exiting Sand Pond in Litchfield contained a fragment of variable-leaf milfoil.

Over 40 people turned out for a 5-hour IPP certification program conducted by the MCIAP at Manchester Elementary School in August of 2005.
An IPP Field Workshop held on Pleasant Pond on August 2, 2008 attracted 25 individuals – the goal now is to establish active IPP teams for all waters bodies of the Cobbossee Watershed.
PLANT CONTROL – Hand Removal

Milfoil Removal
August 12, 2005 Upper Pleasant Pond

Board member Jeff Timm with members of the Four Towns Watershed Association removing variable-leaf milfoil from the Upper Pleasant Pond boat launch area.

Program Director Stefany Arsenault with the days “catch” - 72 yards!
PLANT CONTROL – Hand Removal

2008 hand removal project of variable leaf milfoil on Upper Pleasant Pond in Litchfield
Divers have installed a total of (90) 10’x12’ “milfoil mats” in 2006, 2007 and 2008 on Upper Pleasant Pond in Litchfield to control the growth of variable leaf milfoil.
Members of the Friends Youth Conservation Corps remove bottom mats in 2007 on Upper Pleasant Pond in Litchfield
PLANT CONTROL – Benthic Barriers

Members of the Friends Youth Conservation Corps remove bottom mats in 2008 on Upper Pleasant Pond in Litchfield.
YOUTH EDUCATION

Tying it all together!
Summer Programs
”Tadpole Patrol & TP II-LSI!"

700 kids in 5 years; 6 different lakes; TP Patrol II added in 2008
Summer Programs
"Tadpole Patrol & TPII-LSI!"
Activities like buffer plantings (l) and water sampling (r) allow children to have a “hands-on” and lasting experience at a typical PlayDay. The ½ day workshop consists of 4-5 different activities that focus on water quality issues.
(L) Attendees board the OTTER II during a 2008 PlayDay at Pilgrim Lodge on Cobbossee Lake; (R) Manchester Recreation kids making their own T-Shirt at the 2007 PlayDay held at Augusta Country Club beach.
Summer Programs
“Slow-the-Flow” PlayDays

Over 1,800 kids in 6 years!

2008 PlayDays

- Manchester Rec
- Camp KV for Kids
- Pilgrim Lodge
- Gardiner B/G Club
- State YMCA Camp
- Camp Mechuwana
Vacation Camp - Winter

Cram’s Point School
Cobossee
W. Gardiner

- Snowshoeing
- Ice-Fishing
- Tracking
Vacation Camp - Spring

YMCA Camp
Cobossee
E. Winthrop

- Fishing
- Amphibian Hunt
- Earth Day Planting
Year Round Education – Classroom

2007-2008 year
- 800+ students
- 33 Classrooms
- 9 different schools
- 3,255+ student hours
Year Round Education – Field
Year Round Education – Field

Teachers from 4 area elementary schools attend a 7-hour “Watershed Science” workshop hosted by the Friends on May 15, 2009. The workshop was funded by a grant provided by the U.S. Environmental Protection Agency.
## Support - Individual Donors

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*Plus - 100’s of individual donors*
Support - Local Business Community

Major Support

Kennebec Savings Bank  Augusta Fuel Company
JS McCarthy Printers  Clark Marine
G&E Roofing / China Dine-ah  DR Struck Landscape Nursery
Valle Real Estate  Wolfington Group
MacDonald Page  Transco Office Solutions
Facial & Oral Surgery  Smart EyeCare
Downeast Energy  Lipman, Katz & McKee
Lakeside Motel & Marina  EZ to Use Big Book
Hershey’s Ice Cream  Dave’s Appliance
Royal Car Wash  Pat Jackson / Tri-City Septic
Adept Screen Printing  Sylvester Excavating
O’Connor Motors  EcoCycle

*Plus – dozen’s more local businesses*
Support - Foundations, Agencies & Organizations

Unity Foundation  LL Bean
Davis Conservation Foundation  Oak Grove Foundation
Maine B.A.S.S. Federation  Augusta Kiwanis
Environmental Protection Agency  AmeriCorps
KC Soil & Water Conservation District  Maine DEP / U.S. EPA
Cobbosseecontee Yacht Club  Maranacook Lake Association
Anabessacook Lake Improve. Ass’n  Tacoma Lakes Improve. Society
Torsey Lake Property Owner’s Association  Boat US Foundation
Torsey Pond Association  Cobbossee Watershed District
THANKS!

Friends of the Cobbossee Watershed
We ‘Otter’ Have Clean Water