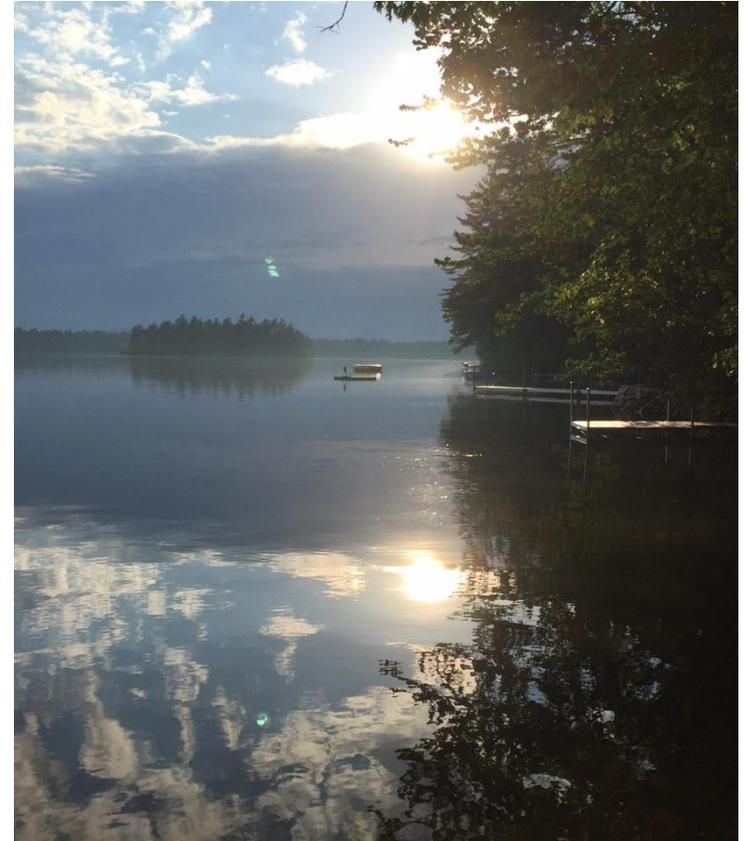




Watchic Lake Association Annual Meeting

Standish Congregational Church
July 9, 2016

- Opening Remarks
- Long Range Planning
- Dam Update
- Finances
- Water Quality
- Loon status
- LakeSmart
- Membership
- Nominations and Voting



Thank you for your membership in 2016

- Members, business sponsors, Town of Standish, and other supporters

We are making progress on our 2015/2016 goals:

- Focusing on you key concerns
- Developing long term plans
- Increasing member participation
- Using LakeSmart to improve the lake



- Summer 2015
 - WLA board recognized the need for expert advice
- Fall of 2015
 - Developed an RFP and received bids from three firms
 - Selected FB Environmental based on their experience, quality of proposal, government connections, and pricing
- November 2015 to May 2016
 - FBE evaluated existing data, the lake, and the shoreline (evaluations done during adverse weather conditions)
 - April and May FBE completed high level recommendations and detailed remediation plans for key trouble spots



- Primary risk is the current and future contribution of **nonpoint source (NPS) pollutants** such as phosphorus, from future development of the watershed.
 - The Watchic Lake Watershed is listed by Maine DEP as an NPS Priority Watershed Most at Risk from New Development.
- Most shorefront properties were originally seasonal (the first camp was established in 1900), but **year-round residency** has increased to about half of shorefront properties in the last few decades.
- **Changing land use patterns** within the watershed (new development, gravel pits, horse/livestock areas, public beaches with eroding sand, logging, two state highways, and private roads) are likely impacting water quality

1. Polluted runoff from new and existing development
2. Declining water quality and wildlife habitat
3. Invasive species risk
4. Awareness and education
5. Climate change

The WLA prioritized the 52 recommended remediation items based on impact and cost. We have begun work on 19 using WLA funds and volunteers. Collaboration starting with property owners to address top 6 risk sites. Details in Risk Remediation Report.

- Dam Repairs are complete...
...for now
- New dam gate installed
- Water level has needed very little adjustment with lowered spillway and new redesigned gate
- **Thank you** to the Dam Committee: Dave Bradbury, Don Drew, David Ross, and Dale Rines



- Healthy for annual operations such as, dam operation, and communications, etc.
 - More detailed water quality testing may increase costs in 2017 and beyond.
- Risk assessment remediation actions may require additional spending and fund raising in 2016 and 2017
- Full financial report available online after the meeting
- Your continued support is needed
- **Thank you** to the Finance Committees: Bob Joslyn, Steve Center, Steve Rines, and Paul McNulty

NOTE – New testing techniques are being started this year. Historical data remain positive. But comparisons to new data are more subjective than objective.

- **Clarity** – Depths of clarity observed this year range from 4.3 – 4.9 meters (using Secchi disk readings). Values are within the typical observed range (Burnell)
- **Chemical Analysis** – Results of Total Phosphorus samples indicate values within the typically observed ranges (WLA)
- **Bacteria Analysis** – Ecoli are below single sample criteria for Class B freshwater streams (FBE)
- **Thank you** to the Water Quality Committee Bob Joslyn, Eileen Burnell, Eben Joslyn, Shawn Burnell, Nancy McNulty, David Burnell

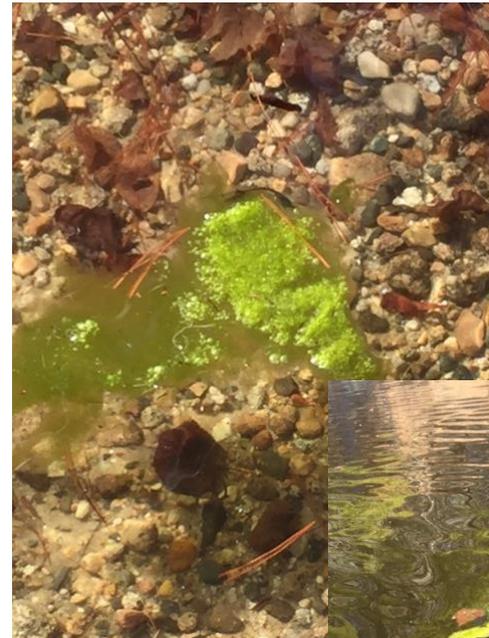


Sampling system provides detailed temporal and spatial information regarding dissolved oxygen and water temperature throughout the water column and over the season

Imagine your beach or shore covered with green slime!

- Metaphyton is not an invasive species, but creates an unpleasant environment for swimming, boating, and fishing.
- It is a stringy algae that grow predominantly in shallow and warmer areas in lakes
- After an unusually warm winter we've seen an increased presence of metaphyton in the lake.
- Groundwater runoff containing phosphorus and nitrogen believed to aid in its growth.
- Maine VLMP encourages, and WLA will support, more data gathering and analysis.
- This is a runoff and phosphorus wake up call. PLEASE do all you and your neighbors can to minimize runoff.

Metaphyton in Watchic. Spring 2016



- Do not use lawn chemicals containing nitrogen and phosphate based compounds
- Maintain your septic system
- Minimize erosion and unprotected shoreline
- Minimize soil runoff – Road 19 example



After Road 19 was paved residents saw the sluicing of the runoff down the hill and between the properties. Residents funded, built, and now maintain/dig-out the catch basin to help reduce nutrient-laden runoff into Watchic.



Nesting loon - 2016



Loon with chicks- 2016



- Currently we have 2 nesting pairs on Middle and Big Island.
- Two chicks recently seen with a parent, believed from “Happy Face” island
- A third pair is visiting
- Biodiversity Research Institute (BRI) monitors our loons.
- WLA participating in Audubon Society Annual Loon Count Day
- **Thank you** John Blake, Kim Lajoie, and Steve Lajoie.

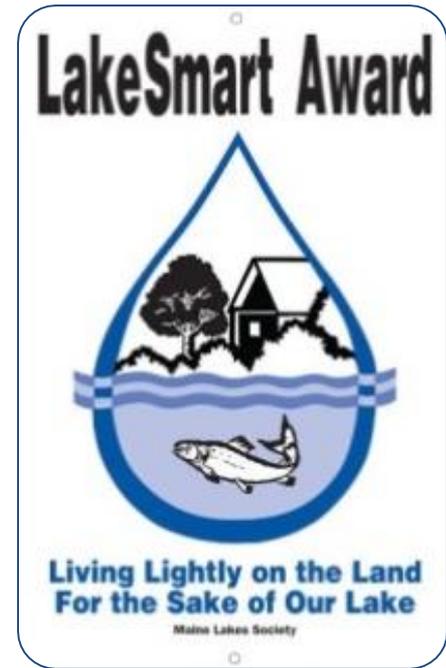
- *“Watchic Lake has earned the Maine Lakes Society Golden Achievement Award for its LakeSmart activity. In the 12-year life of the program, only seven other lake associations have achieved this level of involvement”*
- Increases Watchic Lake desirability
- Builds our creditability
- **Thank you** to the LakeSmart Committee: **Patty Taylor**, Pat Center, Nancy McNulty, Patty Guenthner, and Elaine Bradbury



LakeSmart: free opportunities learn
how to manage your home and yard
to protect the lake

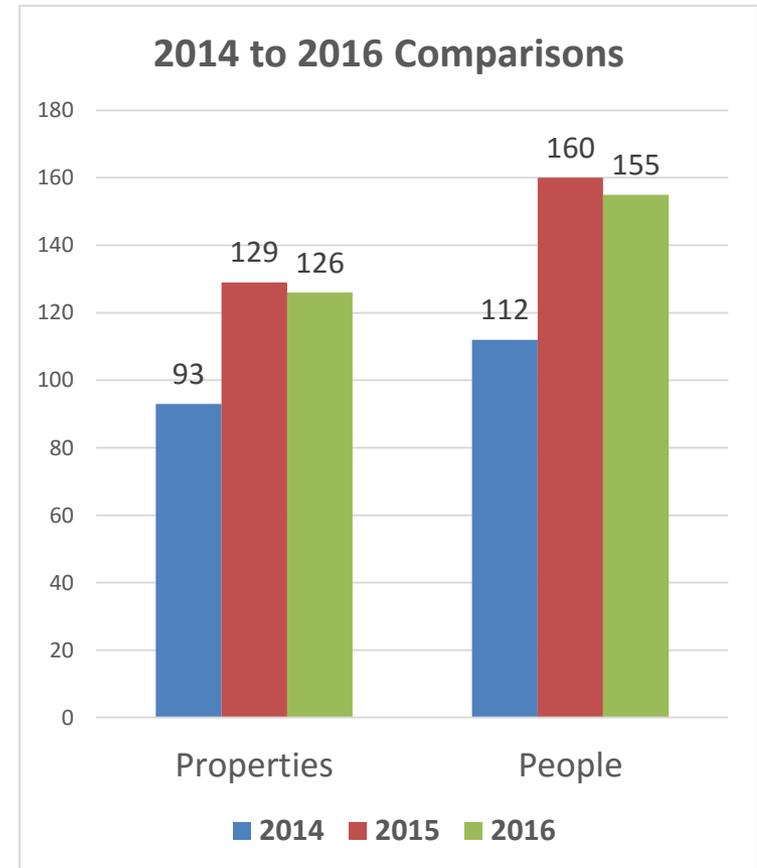
2016 LakeSmart Award Recipients

- Elaine and Dave Bradbury
- Julie Butler
- Patty and Steve Center
- Agnes and Rick Wiggin
- Manfred Sternberg
- Mike Lynch
- Nick Roy
- Melinda and Bob Dorr

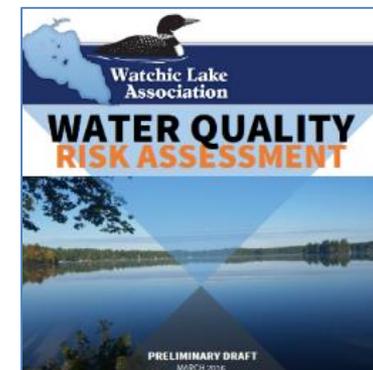
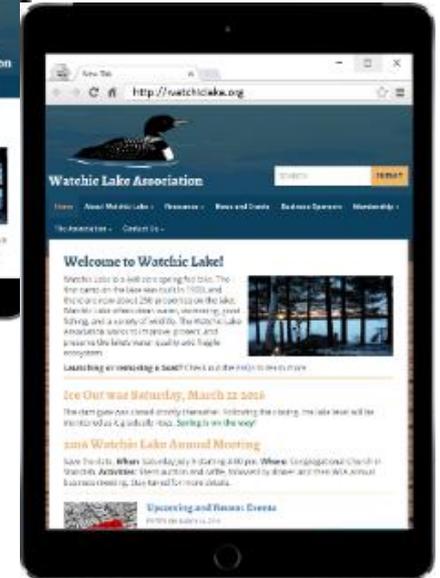


Thank you to all LakeSmart participants – your efforts help improve the quality of our lake!”

- Members - People
 - Total: 155
 - ~ Flat with 2015
- Members - Properties
 - Total: 126
 - 45% of all properties
 - ~ Flat with 2015
 - 50% of lakefront properties are members and 30% of non-lakefront properties are members
- **Thank you** Owen Smith, Martha Drew, Brenda Gerardo, Bob Joslyn, and Paul McNulty



- New mobile-friendly website... find info and submit questions via your smartphone or tablet
 - Richer invasive info and issues form
- Created and distributed “new owner packages”
- Members are encouraged to attend trainings for VLMP water quality and invasive plant training, and LakeSmart testing.
- Please contact WLA if you are interested in attending training classes
- **Thank you** the Education Committee: Elaine Bradbury, Pat Center, Don Drew, and Patty Guenthner.



- **For Board of Directors:**
 - Agnes Wiggin - three-years
 - Shawn Burnell - three-years
 - Paul McNulty - three years
 - David Bradbury - three years
 - Eileen Burnell - one year
- **For Officers:**
 - Vice-President/President Elect: Owen Smith – one year
 - Treasurer: Bob Joslyn – two years
 - Secretary: Martha Drew – two years
- **Note:** President Paul McNulty and Historian Don Drew each have one year remaining on their current terms
- **Approval of 2015 Annual Meeting Minutes and Finance Reports**
 - Minutes published on website August 2015
 - Financial reports provided at this meeting

- **Shorter Term** - targeted activities to address key concerns:
 - Wider/deeper water quality testing, team with DEP and VLMP on reporting, more certified invasive and water quality monitors, teaming with Maine Audubon and BRI on loons, helping address runoff in key risk areas, more LakeSmart properties.
- **Longer Term**
 - Address more major runoff issues highlighted in Risk Assessment report. Review funding needs. Collaborate with Town of Standish

Your time today and throughout the year is
a gift to the lake – **thank you!**



Thank you!