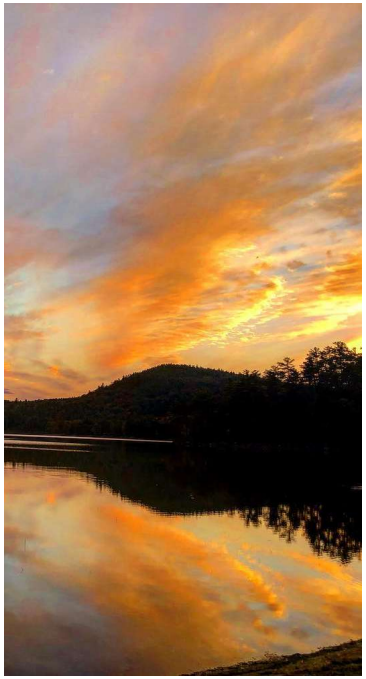


Annual Members Meeting

2026





Agenda

- Call to order
- Reports: Secretary, Treasurer, Membership, Merchandise, Communications, Water Safety
- Election of Board Members & Officers
- Scorecard for Maine Lakes
  - Water Quality: LEA Testing
  - Invasive Plants: Plant Patrol, CBI
  - Shoreland Condition: Regulations,
  - LakeSmart, Stream Project, Kedar Brook Improvement, Dam Management
  - Threats: Get Pumped!
- Events
- Member Questions & Introductions

Current Board Members

- Brenda Hambleton, President
- Jonathan Hasson, Vice President, Dam
- Liz Stockwell, Treasurer
- Riley Hasson, Secretary
- Arne Klepinger, Plant Patrol
- Al Struck, Regatta
- Joanne Eaton, Merchandise
- Andy Tabor, Water Safety & Loon Nest
- Melissa Tarbell, Social Media
- Tom Hammett, Watershed
- Jim Flynn, Watershed, Dam, Hot Spots
- Bill Robichaud, Boat Parade

- Retiring Members:
  - Charlie Tarbell
  - Ginger Eaton
- Nominated Members:
  - Bill Eaton, LEA Liason, Water Quality
- Committee Chairs:
  - Paige Nalipinski, Membership
  - Mike Nailipinski, Septic System Improvement
  - Robert Spencer, Newsletter Editor
  - Larry Griffith, LakeSmart
  - Adam Stockwell, Online Payment System

Financials – Liz Stockwell

- Financial update
  - 4k operating profit: strong cash balance
  - Operating expenses are back down to $15,800
  - CBI (Courtesy Boat Inspector) costs were lower than budgeted
  - At the end of Q1, MCF had $256,301, which is +10.9% YoY
  - Dam Liability Insurance quote is about $500 higher this year
- The following 2026 grants were approved by the Board:
  - $100 to the Waterford Fire Department
  - $100 to Stoneham Rescue
  - $100 to the Lake Stewards
  - $100 to the Wilkins Community House
  - $200 to Maine Lakes
  - $1,200 to LEA
- Motion to approve 2025 minutes & Treasurers report

2025

BALANCE SHEET

Assets		Liabilities & Surplus	
Cash - Key Bank	25,231.58	Reserves Payable:	
Investments:		Other Reserves	252,521.87
Maine Community Foundation	262,521.87	Liability Provision	10,000.00
		Total Liabilities	262,521.87
		Surplus	25,231.58
Total Assets	287,753.45	**Total Liabilities & Surplus**	287,753.45

INCOME STATEMENT

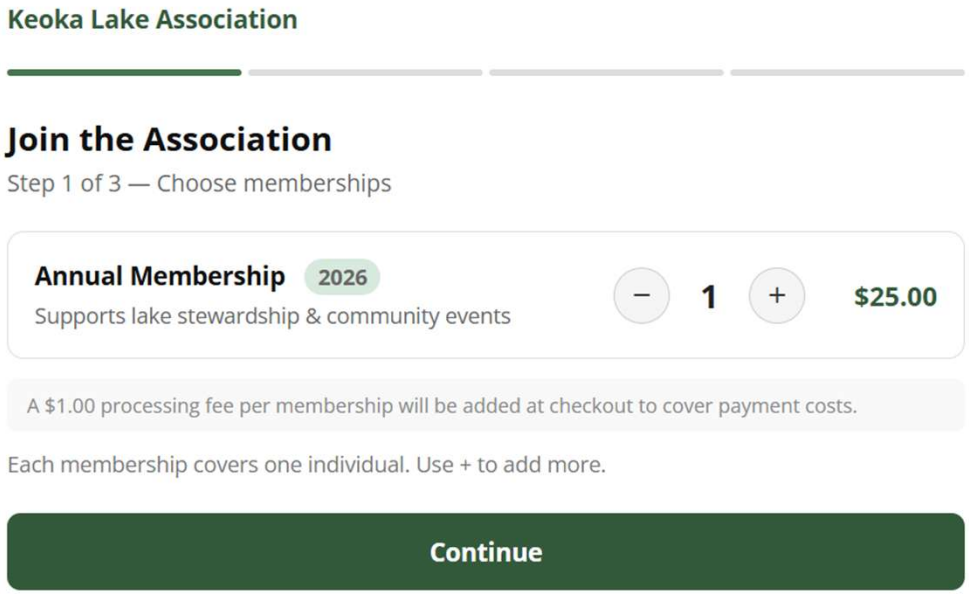
	2025 YE	2024 YE
INCOME		
Operating Income		
Dues, Donations, & Memorials	10,460.00	8,840.00
Merchandise Sales	3,683.00	3,328.00
Keoka Lake Book Sales	175.00	770.00
Raffles	-	635.00
CBI	5,400.00	5,250.00
Miscellaneous	-	
Total Operating Income	**19,718.00**	**18,823.00**
Other Income		
KLASO Capital Campaign	100.00	1,825.00
Total Other Income	**100.00**	**1,825.00**
TOTAL INCOME	**19,818.00**	**20,648.00**
EXPENSES		
Operating Expenses		
Program Operations	2,096.81	2,768.94
Merchandise	1,091.50	725.00
CBI	9,328.63	10,276.75
Insurance	1,210.25	1,151.54
Grants	1,800.00	1,820.00
Miscellaneous	172.00	-
Total Operating Expenses	**15,699.19**	**16,742.23**
Other Expenses		
Transfer to MCF	100.00	1,875.00
Total Other Expenses	**100.00**	**1,875.00**
TOTAL EXPENSES	**15,799.19**	**18,617.23**
Operating Income/(Loss)	**4,018.81**	**2,080.77**
TOTAL INCOME (LOSS)	**4,018.81**	**2,030.77**

Membership – Paige Nalipinski

- 2025 dues and donations were at a record level - $10,460 (135 members)
- So far in 2026 we have 53 members and $1,110 in donations (behind 2025 of $3,300 for the same time
- Announcing the new, online payment system for dues and donations!

www.keokalake/membershipdues

Demo by Adam Stockwell



Merchandise – Joanne Eaton

- 2025 generated $3,363 from merchandise sales
- So far in 2026 we have

Communications – Melissa Tarbell, Bob Spencer, Brenda Hambleton

Website



Newsletter



Social Media



Water Safety – Andy Tabor

- Deployed loon nesting platform and 5 loon nest warning buoys
- LEA thermal survey buoy already on station
- Installed the launch ramp dock, the swim area float, buoys, line & navigation buoys
- Deployed Stones Cove buoys & added the LED module to the LEA buoy
- Deployed island and dam hazard buoys









Elections

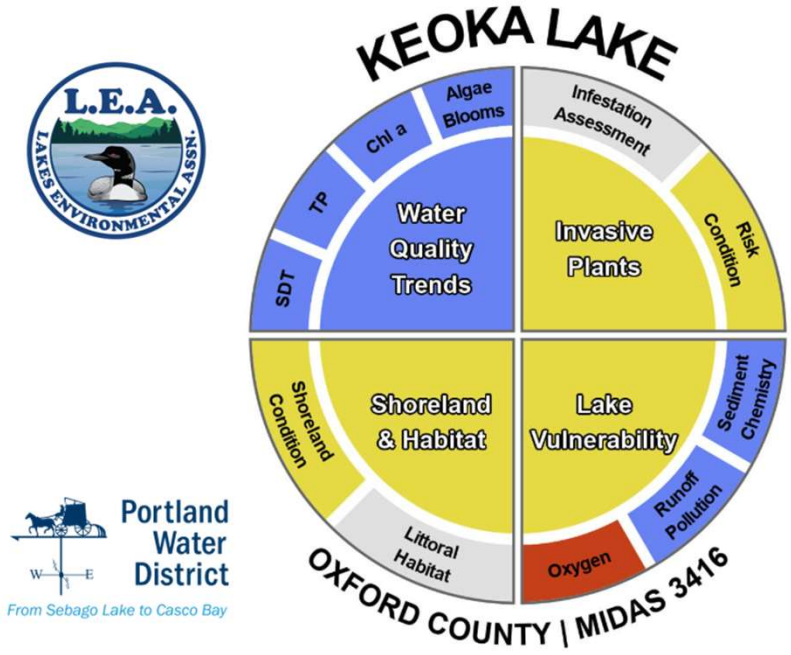
- Board Members seeking renewal:
  - Jim Flynn
  - Tom Hammett
  - Bill Robichaud
  - Elizabeth "Liz" Stockwell
- New, nominated Board Members:
  - Bill Eaton
- Officers to be elected:
  - Jonathan Hasson, President
  - Bill Robichaud, Vice President
  - Elizabeth (Liz) Stockwell, Treasurer
  - Riley Hasson, Secretary

Maine DEP Lake Scorecard

- **Water quality** – monitored by LEA
- **Invasive plants** – monitored through Plant Patrol and CBI
- **Shoreland habitat** – Stream Project, Kedar Brook Improvement, Watershed events, evaluated by PWD
- **Lake vulnerability** – Septic systems, runoff from roads and agriculture

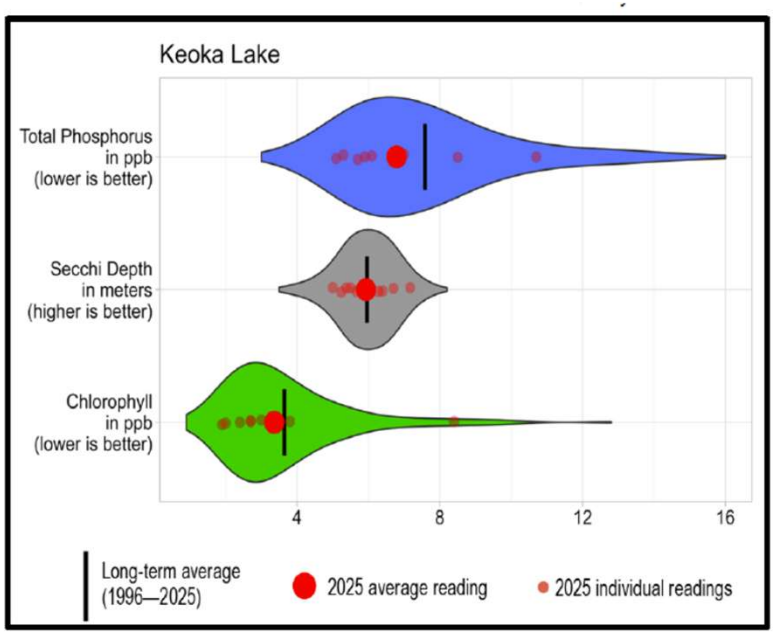
Details available at:

www.lakesofmaine/2025-scorecards



Water Quality

- Data is collected annually by LEA
  - Water quality monitoring buoy
  - "Hot spot" surveys
- Reports are published annually on the KLA website under Water Quality
- Reading "violin charts:"
  - Vertical bar shows the long-term average
  - Big read dot is the annual average
  - Small red dots are individual readings
  - Phosporus & chlorophyll:
    - Big dots to the left of the bar are good
  - Secchi depth:
    - Big dots to the right of the bar are goo

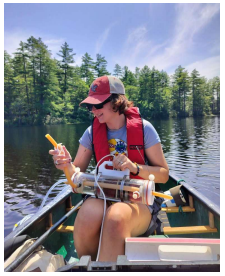


Water Quality

- **Secchi Disk Transparency:** ***Good***
- **Algae Bloom:** no blooms ***Good***
- **Total Phosphorus:** trend is *significantly decreasing* ***Good***
- **Chlorophyll-*a*:** *stable or too variable to detect trend* **Good**

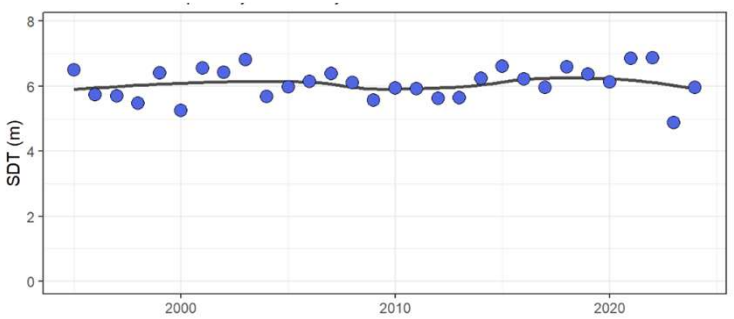




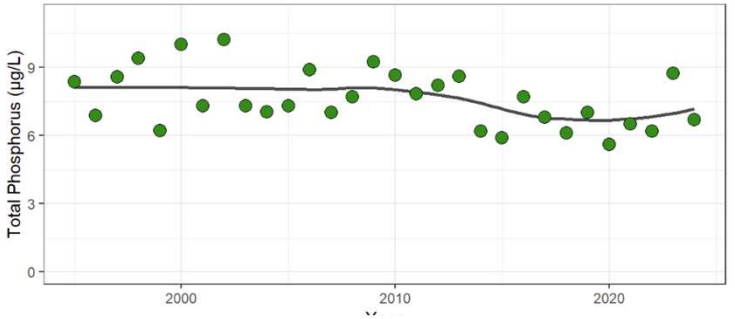




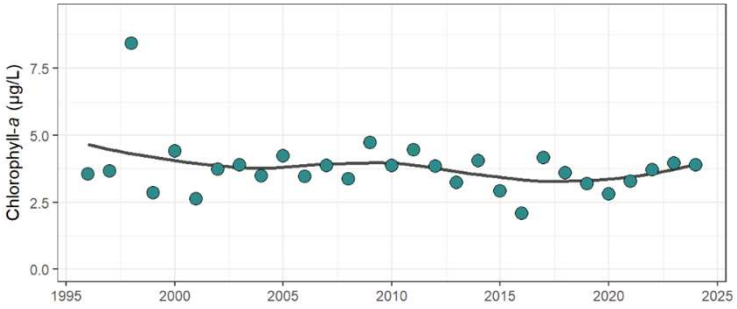
Transparency



Phosphorus



Chlorophyll

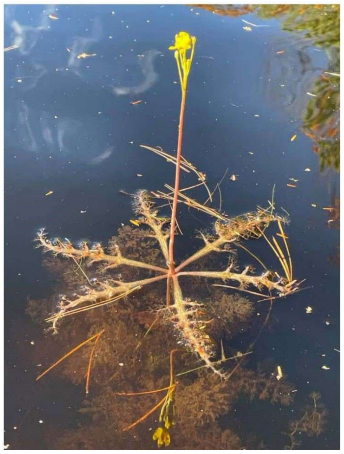


Invasive Plants

LEA survey done in 2024:

Common Native Plant	Inventory	Common Native Plant (cont.)	Inventory
aquatic moss spp.		spatterdock *Nuphar variegata*	
arrowhead spp. (submersed) *Sagittaria spp.*		spikerush spp. *Eleocharis spp.*	
Bladderwort spp. *Utricularia spp.*	X	sponge, freshwater spp.	
bulrush spp. *Schoenoplectus spp.*		sonewort spp. *Niterlla spp.*	
bur-reed spp. *Sparganium spp.*		three-way sedge *Dulichium arundinaceum*	
cattail *Typha spp.*	U	water buttercup *Ranunculus spp.*	
coontail *Ceratophyllum demersum*		water lily, fragrant *Nymphaea odorata*	
duckweed, common *Lemna minor*		water lobelia *Lobelia dortmanna*	
duckweed, giant *Spirodela polyrhiza*		water marigold *Bidens beckii*	
golden pert *Gratiola aurea*		water parsnip *Sium suave*	
little floating heart *Nymphoides cordata*		water starwort, spp. *Callitriche spp.*	
mannagrass, northern *Glyceria borealis*		water milfoil spp. *Myriophyllum spp.*	
metaphyton (colonial algae "clouds")	U	watershield *Brasenia schreberi*	
muskgrass *Chara spp.*		waterweed, common *Elodea canadensis*	
naiad, slender *Najas flexilis*		waterweed, slender *Elodea nutallii*	
naiad, thread-like *Najas gracillima*		waterwort *Elatine minima*	
pickerel weed *Pontederia cordata*	U	wild celery (eel grass) *Vallisneria americana*	
pipewort *Eriocaulon aqauticum*	D		
Pondweed spp. *Potamogeton spp.*	D		
quillwort spp. *Isoetes spp.*			
rush, bayonet Juncus militaris			
rush, brown-fruited *Juncus pelocarpus*			

X= Presence D=Dominant U=Uncommon



Bladderwort



Cattails



Pipewort



Colonial Algae Clouds



Pondweed

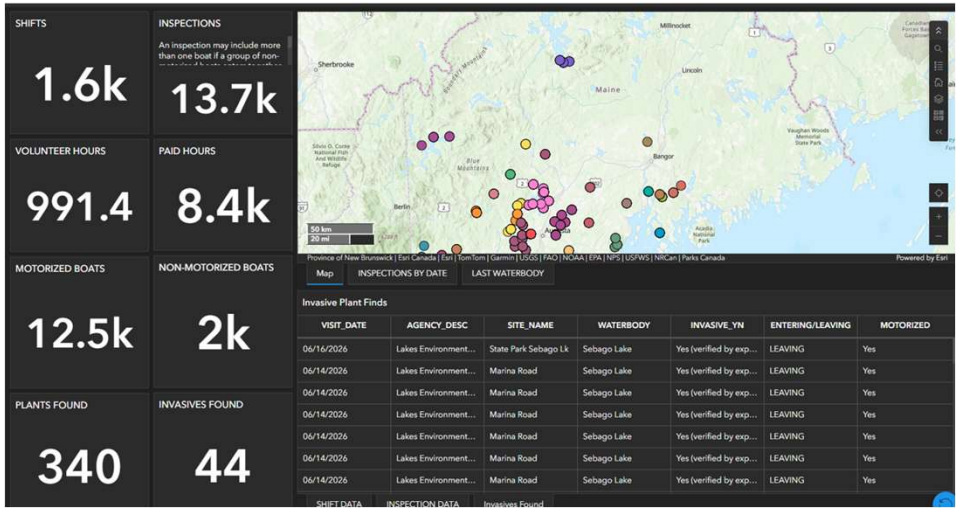


Pickerel Weed

Invasive Plants

CBI is finding more invasives this year than last.

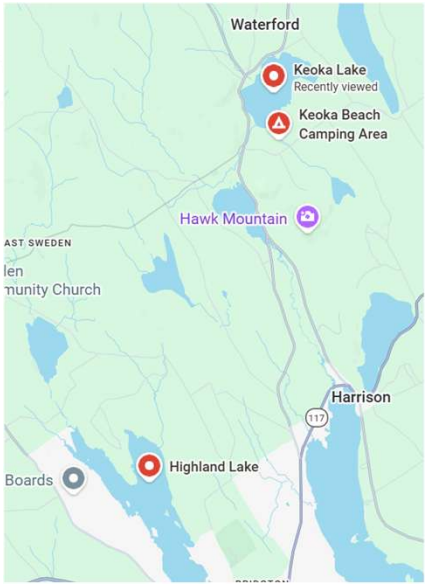
Most come from out-of-state and fishing boats.







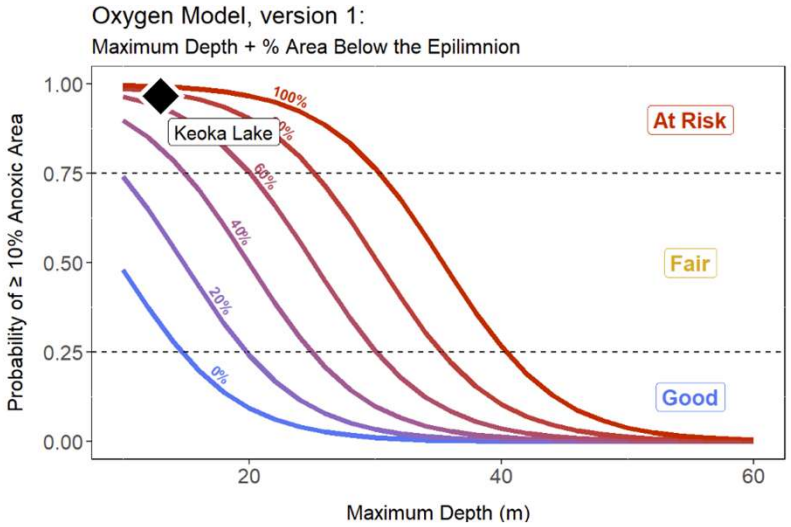




Lake Vulnerability

- **Lake vulnerability**
  - *Sediment chemistry* relates to how likely it is that phosphorus is released from the lake sediment. ***Good***
  - *Runoff Pollution* relates to elements of the watershed or lake that make the lake more susceptible to the effects of pollutants in stormwater runoff. ***Good***
  - *Oxygen* score indicates how likely it is that the lake will experience naturally low dissolved oxygen conditions, which may affect fish habitat and internal nutrient cycling. ***Fair***

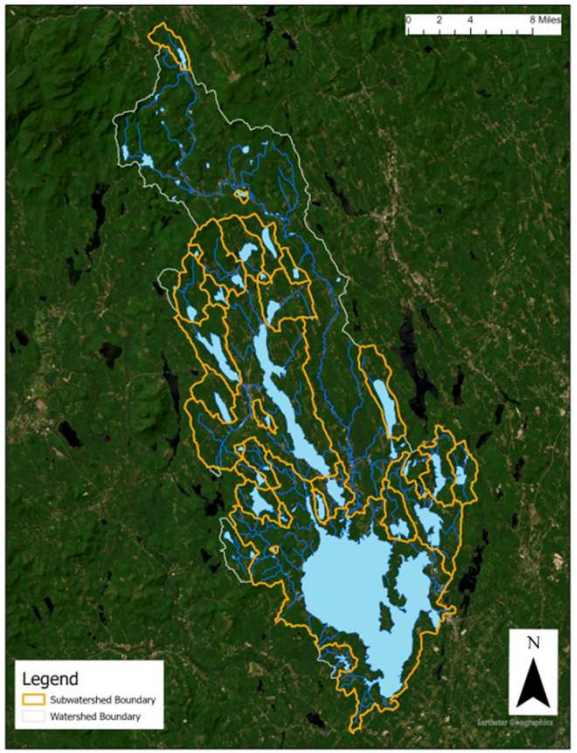
The **epilimnion** is the upper, well-mixed, and warmest layer of a thermally stratified lake or body of water. Because it receives the most sunlight and wind, it contains high dissolved oxygen levels and is the layer where most aquatic plants and algae grow.



PWD Subwatershed Assessment

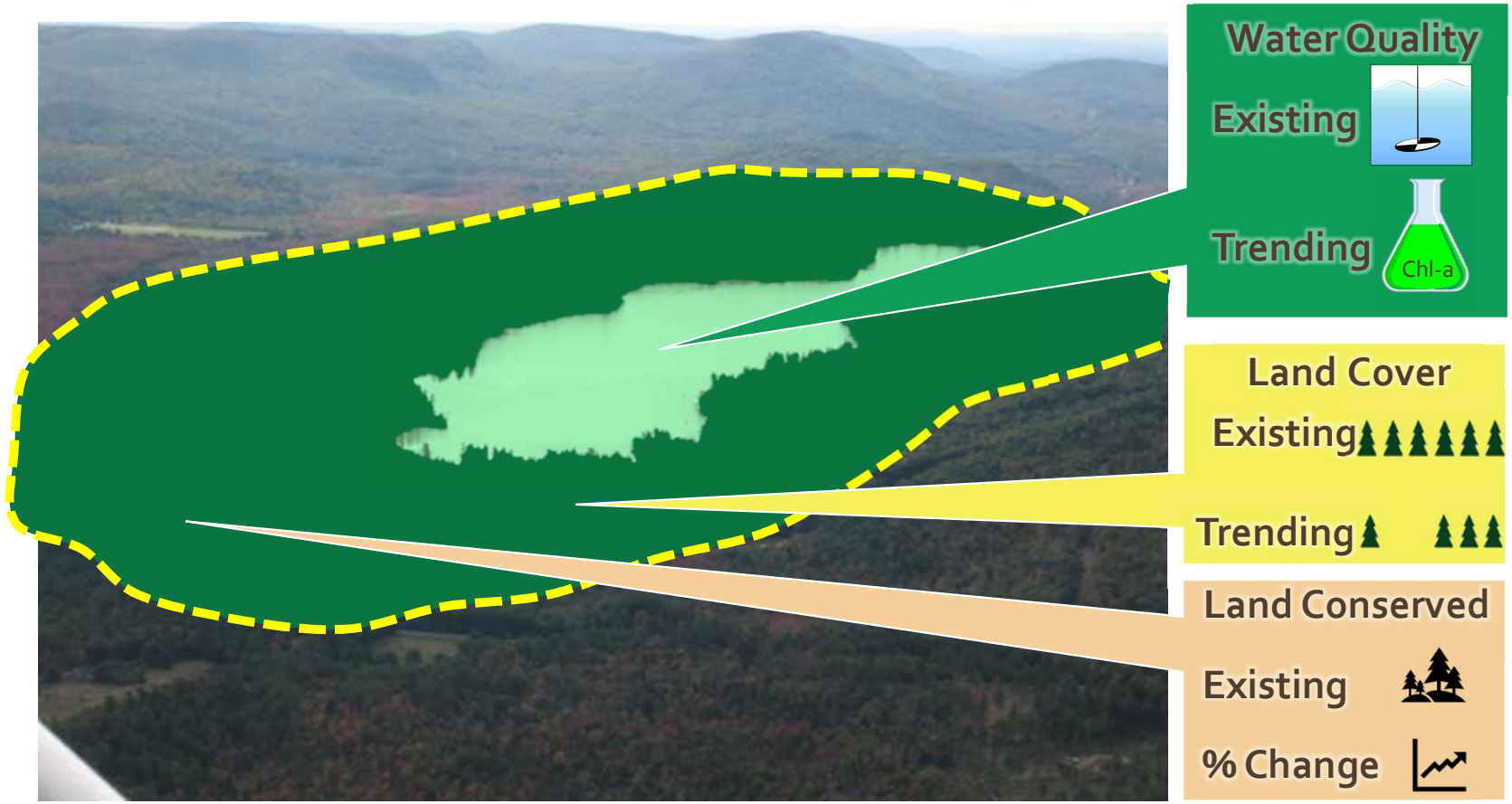
Portland Water District
From Sebago Lake to Casco Bay

- Status of lakes in the Sebago lake watershed (1/6 of Maine's water supply)
- Major variables:
  - Water Quality
  - Subwatershed Land Cover
  - Subwatershed Land Conservation



Evaluation

Portland Water District
From Sebago Lake to Casco Bay



Interpreting the Scores

Portland Water District
From Sebago Lake to Casco Bay

5	Best	Excellent/Improving
4	Favorable	Above Average
3	Neutral	Stable/Average
2	Unfavorable	Below Average
1	Worst	Poor/Declining
ID	Insufficient Data	Assumed Average

PWD Subwatershed Assessment Results

Portland Water District
From Sebago Lake to Casco Bay

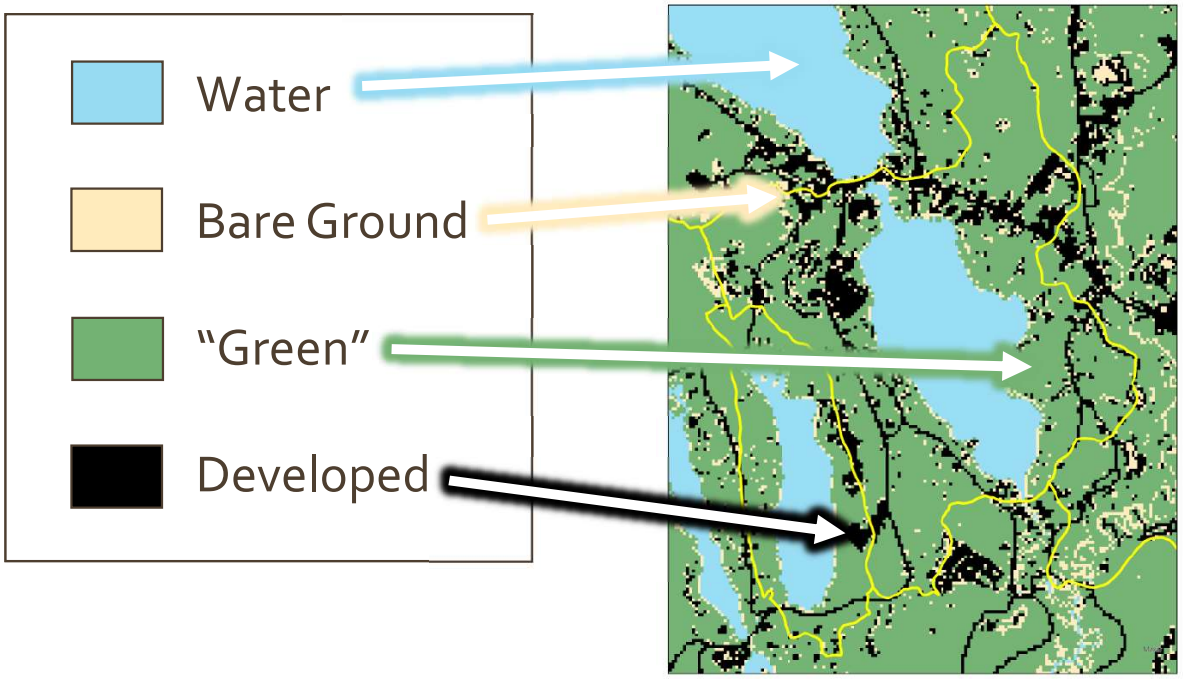
	LITTLE MOOSE POND	INGALLS (FOSTERS) POND	PEABODY POND	BEAR POND	COLD RAIN POND	CRESCENT LAKE	HIGHLAND LAKE	SEBAGO LAKE	RAYMOND POND	WOODS POND	PANTHER POND	THOMAS POND	PAPOOSE POND	McWAIN POND	PLEASANT LAKE	LONG LAKE	KEOKA LAKE	STEARNS POND	TRICKEY POND	BRANDY POND	SONGO POND	CRYSTAL LAKE	ADAMS POND	ISLAND POND	OTTER POND
Existing WQ Score	5	4	5	3	2	4	4	5	3	2	4	4	1	4	5	4	3	3	5	4	1	3	5	3	1
WQ Trend Score	3	2	3	3	3	3	5	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3
Existing Land Cover Score	5	5	5	5	5	4	4	3	5	5	4	4	3	4	4	4	4	5	3	2	5	3	3	4	4
Land Cover Trend Score	5	5	5	5	5	4	3	4	5	4	4	5	5	3	3	2	2	5	4	1	4	2	2	3	3
Existing Land Conservation Score	2	5	4	2	5	3	3	4	2	2	2	2	3	2	2	3	3	1	2	2	2	2	1	1	1
Land Conservation Trend Score	5	3	2	5	3	5	4	3	3	5	3	2	5	3	4	3	3	1	1	5	2	3	1	1	1
Total Score	**25**	**24**	**24**	**23**	**23**	**23**	**23**	**22**	**21**	**21**	**20**	**20**	**20**	**19**	**19**	**19**	**18**	**18**	**18**	**17**	**17**	**16**	**15**	**15**	**13**

Higher scores are better. 18 is considered neutral.

Shoreland Assessment

Portland Water District
From Sebago Lake to Casco Bay

Subwatershed Assessment	
Existing WQ Score	3
WQ Trend Score	3
Existing Land Cover Score	4
Land Cover Trend Score	2
Existing Land Conservation Score	3
Land Conservation Trend Score	3

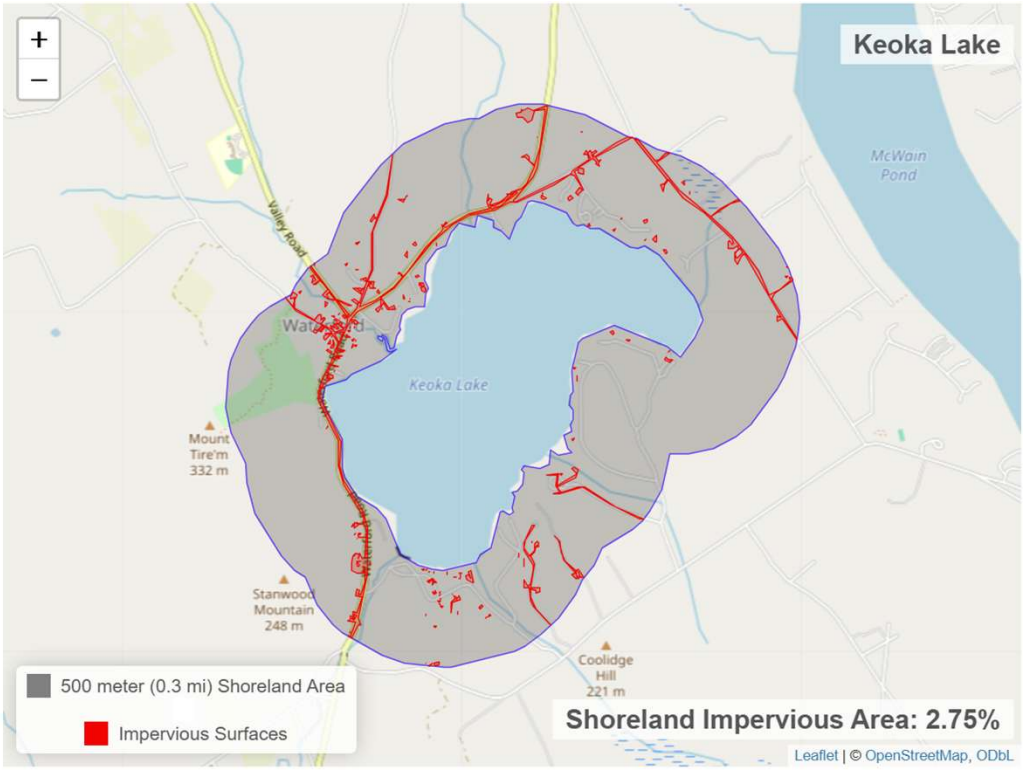


% green based on digitized satellite images from 1987 to 2024

Existing Land Cover score	% Green in 2024
5	90+
4	85-90
3	80-85
2	75-80
1	<75

Shoreland & Habitat

- **Shoreland Condition** - Scored by measuring the percentage of impervious surface within a 500 m shoreland buffer area around the lake. Impervious surfaces include areas such as roads, driveways, and buildings increase stormwater runoff volume and energy by preventing water from soaking into the ground slowly. ***Fair for Keoka.***
- **Habitat** assessments have not yet been conducted for Keoka.



State & Town Regulations Protect the Shoreland Zone

The Natural Resource Protection Act (NRPA)

First 75 feet from a lake or pond (or other resource)

Permit-by-rule required for disturbing soil

Exceptions for maintenance, existing structures/uses and more

Enforced by Maine Department of Environmental Protection (DEP)

Shoreland Zoning Law (Chapter 1000)

-250 feet from lakes, ponds, rivers, and wetlands
-75 ft from streams

Permission from code enforcement office

Exceptions for maintenance, safety, and existing structures

Enforced by the municipality (town) or LUPC (land use planning commision)

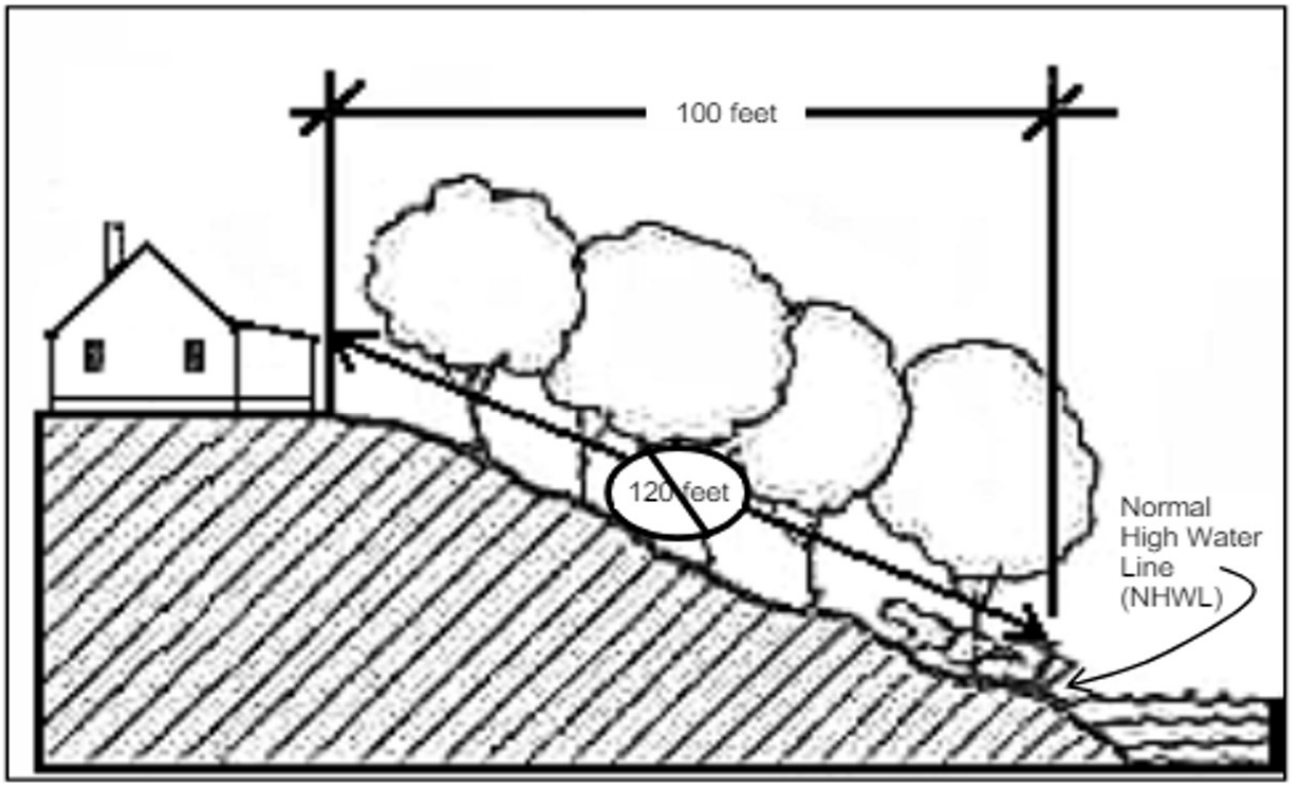
Erosion and Sedimentation Control Law

Everywhere

Landowners are required to prevent erosion of soil off of their property, or into resources.

Typically relevant during construction projects.

Enforced by Maine Department of Environmental Protection (DEP)



Measuring setbacks from great ponds.

Example: Failing Retaining Wall Needs Repair

- This project will require permits from Maine DEP and the town
- Can't be larger, or closer to the lake
- Erosion control measures must be taken during repair

New retaining walls are not allowed.

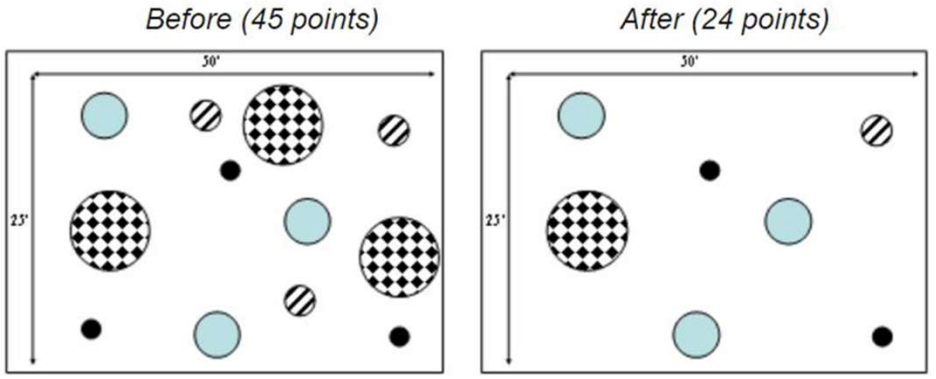
Vegetation is the preferred method to stabilization, then rip rap, then retaining walls.



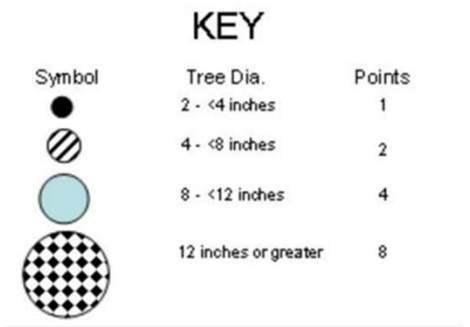
Example: Vegetation Removal within Shoreland Zone

- Vegetation under 3 feet in height is protected
- Branches on the lower ⅓ of the tree can be trimmed
- New view corridors are not allowed, nor is reopening closed ones
- No disturbance of the duff layer

For tree thinning, projects must be approved by the CEO and meet point system*



Where conditions permit, no more than 50% of the points on any 25-foot by 50-foot rectangular area may consist of trees greater than 12 inches in diameter.



Example: Installing Paths

- Paths count as "structures" in the shoreland zone
- New paths require a DEP permit by rule (PBR)
- Limited to 4 ft in width (6 ft clearing stem to stem)
- Required to be winding
- One path per 200 ft of shoreline (in most towns)



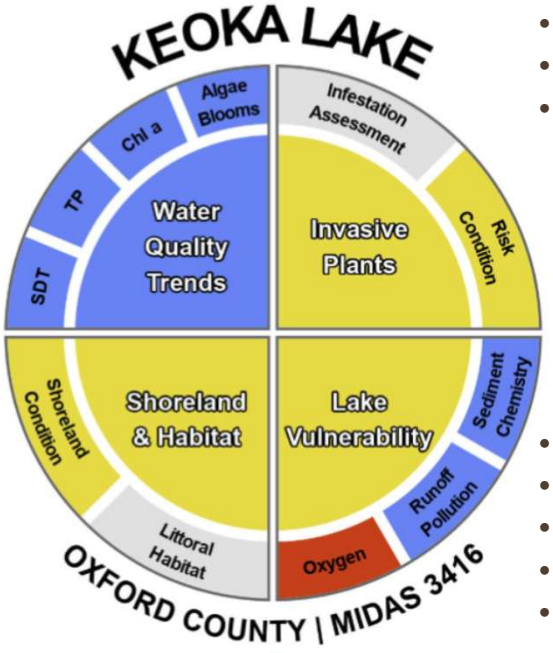
Example: New Structures

- Allowed: water dependent uses, temporary structures, often with a permit
- New structures that are not allowed: fire pits, sheds, tree houses, platforms, decks wider than 4 ft
  - Existing non-conforming structures are grandfathered in and can be repaired/maintained
- Some new structures that are often allowed with permits: handicap access, docks, floating docks, paths, temporary structures



Current Activities

- LEA monitoring:
  - Algae sampling
  - Winter monitoring
  - Temperature buoy
  - Fluorometric chlorophyll analysis



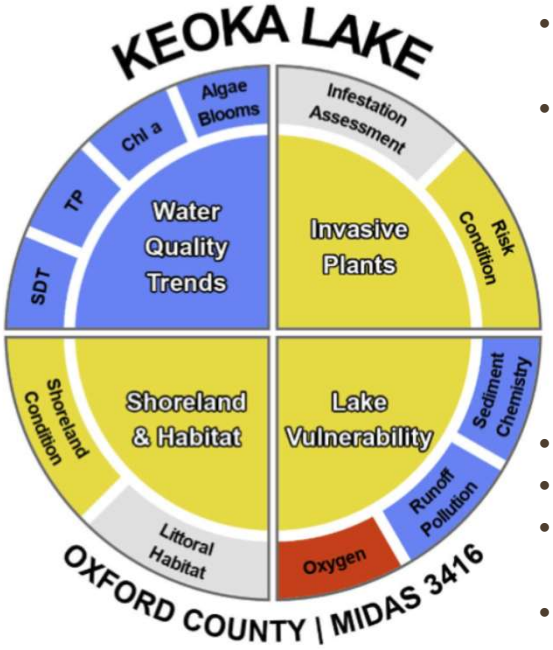
- Courtesy Boat Inspections
- Plant Patrol
- LEA "hot spot" monitoring

- KLA Stream Project
- Stream Surveys
- Dam management

- LakeSmart
- Runoff improvement
- Get Pumped! Campaign
- Kedar Brook Improvement Plan
- Watershed Festival

What can you do?

- Renew memberships and donations so that we can continue to fund monitoring



- Volunteer for Plant Patrol with Arne Klepinger
- Be on the lookout for invasives

- Volunteer for the Stream Project with Mark Lennasi
- Rekindle the Stream Surveys

- Participate in LakeSmart
- Join Jim Flynn in runoff improvement
- Participate in the Get Pumped! Campaign with Brenda Hambleton
- Come to the Watershed Festival organized by Tom Hammett & Jim Flynn

Join the Communications and Education Committees!
Support KLA & LEA

Year-Round Lake Monitoring



Watershed-Based Education



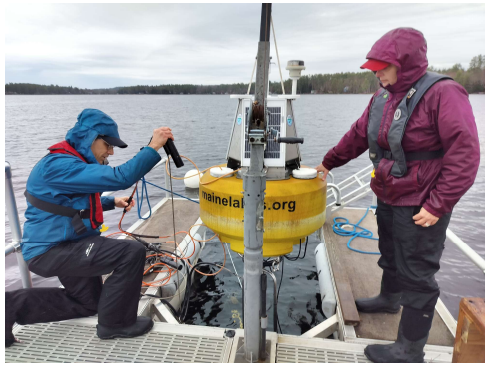
Aquatic Invasives Control



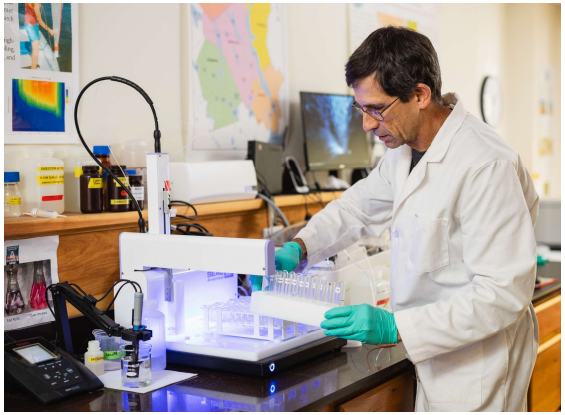
Aquatic Invasives Prevention



Advanced Lake Testing



Maine Lake Science Center



Land Preserves



Stream Restoration



Land Use Planning and Mitigation

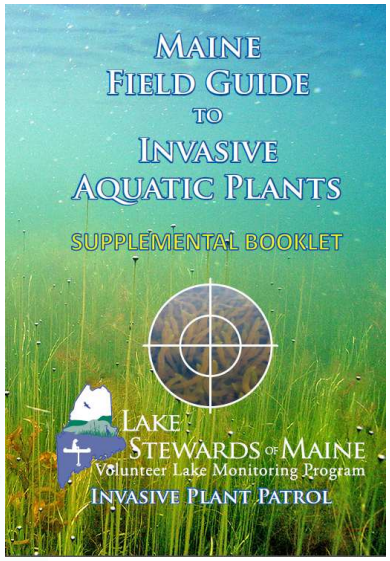


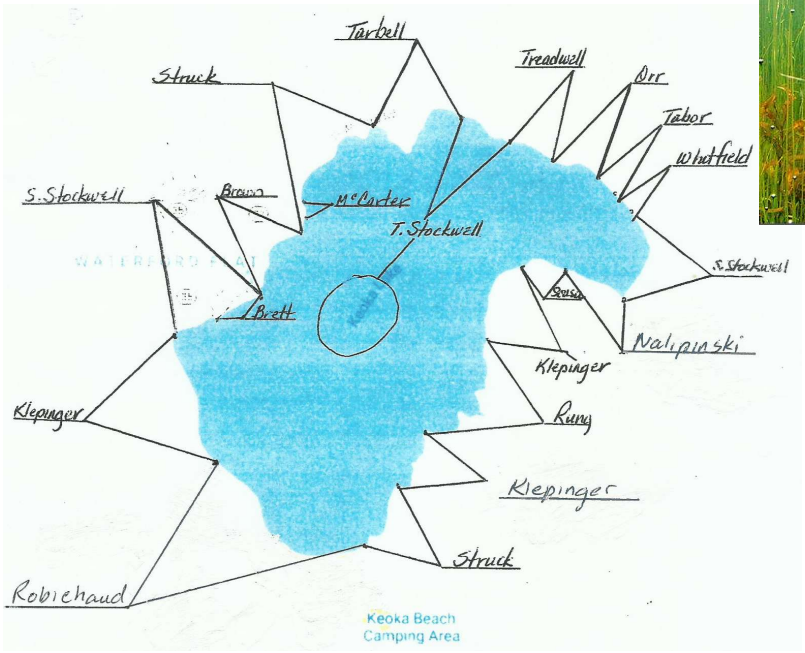
Lakes Environmental Association

Funded by Members

www.mainelakes.org

Plant Patrol – Arne Klepinger





Stream Project – Mark Lennasi

- Sent letters to 26 people who own property on streams going in or out of Keoka encouraging them to:
  - Build a better buffer
  - Minimize disturbance
  - Get help for bank erosion
  - Control and direct runoff
  - Allow streams to naturally meander
  - Eliminate straight paths to the water
  - Push stormwater into woods not the stream
  - Maintain and regularly check for erosion
- Follow-up letters will be sent this year



Dam Management – Jonathan Hasson, Nick Archer, Jim Flynn, Bill Robichaud

- Check periodically and remove accumulated debris
- The weekend following ice-out:
  - Fully open the gate and flush out debris
  - Set the gate level as needed to maintain the summer lake level of 6" to 12" below the spillway
- The first weekend in October:
  - Fully open the gate and flush out debris
  - Set the gate level as needed to maintain the winter lake level at approximately 24" below the spillway level.
- Adjust the gate level as necessary based on weather conditions to maintain a minimum downstream flow and approximate average seasonal levels as discussed above, while not causing excessive level fluctuations in Bear Pond.



Kedar Brook Improvement – Jonathan Hasson





LakeSmart – Larry Griffith

- **Free** property evaluation. The evaluation involves a volunteer walking your property with you, looking at different criteria that affect lake health.
  - Is there erosion on the driveway?
  - How often do you pump your septic system?
  - Are pathways limited and protected with mulch or other stable ground cover?
  - How thick is the vegetated buffer between the house and the lake?
  - Is there erosion on the shoreline?
  - Is the leach field healthy? (No woody plants or obvious malfunction)

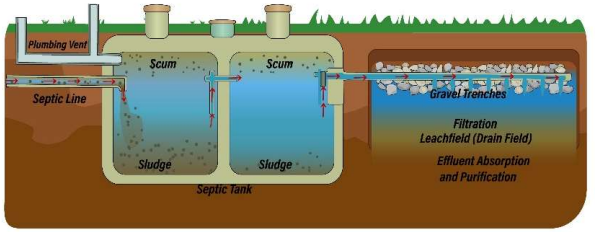


– Mike Nalipinski, Brenda Hambleton

GOAL

- Help Waterford protect the lake and property values by ensuring septic system maintenance
- Create a database so KLA can track aging systems
- Develop programs to help property owners ensure their systems working





ASK

- Have your septic tank serviced every 3-5 years
- Send the receipt to KLA via post or email



Watershed – Tom Hammet

- Attended Landowner Appreciation Day, Fryeburg Fair, and the Common Ground Fair to gather information and contacts
- Met representatives of Maine Audubon, Loon Echo Land Trust, Sebago Clean Waters, Friends of City Brook, Western Foothills Land Trust, Portland Water District, and the Maine Forest Service
- Organized Watershed Day



Events



Watershed Festival
Today! 1-4:00 pm
Townhouse Beach
Come see what's happening in your watershed and why it matters to you. Talk directly with local experts about water, land, and community issues. Learn more and be part of protecting what we all share and value.



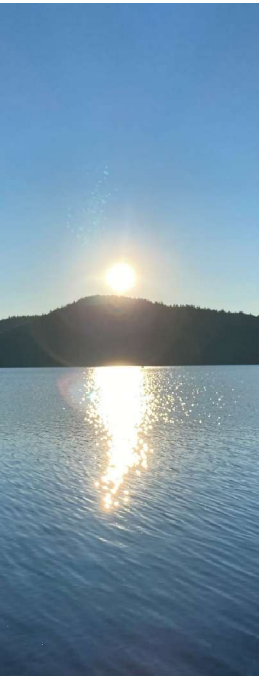
KBC & KLA Boat Parade
August 1
Start at Townhouse Beach
Finish at KBC
The fourth annual Keoka Lighted Boat Parade will be held on August 1. Help us make this the biggest year ever. Get your boat and/or dock ready to go!



Bud Lazotte Memorial Regatta
July 25, 1 pm Registration
Keoka Beach Campground
The Annual Bud Lazott Memorial Regatta will be held on July 25. Registration stars at 1 pm at the Keoka Beach Campground. The race will start around 2 pm. Cheer the sailors on!



Waterford Congregational Church
Marshmallow Paddle
August 10
Start atTownhouse Beach
Waterford Congregational Church is sponsoring the Marshmallow Paddle on August 10. It is a family friendly kayak, canoe, or paddleboard roundtrip early evening paddle from Town Beach to Rice Gage Beach.



Member Questions & Introductions

