



Spring 2018 Newsletter

WATERSHED SURVEY REPORT EDITION

The Watershed Survey and Watershed-Based Protection Plan are Completed! On September 28th, 2017 the McGrath Pond-Salmon Lake Association (MPSLA) conducted a watershed survey of the developed land areas within the McGrath Pond and Salmon Lake watershed. This newsletter has the summary on pages 2-3. The full report can be viewed on our website at <http://www.mcgrathpond-salmonlake.org>.

The survey focused on all developed land (with permitted access) that drains, or has the potential, to drain to the lake carrying storm water and other pollutants of concern. Survey results indicate that a significant portion of sites with problems are located on residential properties and are associated with access to the shoreline. The spirit of this voluntary survey is to work cooperatively with landowners, road associations, and towns toward the common goal of protecting and improving water quality. Results of the survey are compiled into the watershed survey report which includes a comprehensive listing of the problem sites identified.

ICE-IN & ICE-OUT DATES

2016 Ice-In for McGrath Pond was 12/12/16, and for Salmon Lake was 12/13/16

2017 Ice-Out for Salmon Lake was 4/23/17

2017 Ice-In for McGrath Pond was 12/15/17

2018 Ice-Out for McGrath Pond was 4/25/18 and Salmon Lake was 4/27/18

* Info from Maine Volunteer Lake Monitoring Program
The VLMP is tracking ice-in/ice-out reports on its Near Real-Time Lake Data webpage.

Anyone, regardless of certification status, can report ice-in/ice-out data. To send your data, or if you have questions about the guidelines for determining ice-in/ice-out, please email Christine Guerette, Project Facilitator of the Maine Volunteer Lake Monitoring Program: christine@mainevlmp.org.

How do I maintain plants once they're installed?

YEAR ONE

Deep, weekly watering is a must during the first year of planting. Most plants that die in the first season do so because of inadequate watering. Make sure the water reaches the depth of the root ball. Planting areas can be weeded, but should not be raked.

AFTER ONE YEAR

After the first year, you should only need to water if there is a lack of normal rainfall. Once the plants are well established, you can let the planted area naturalize so that you do not need to replenish mulch or weed. The "duff" layer of leaves and pine needles will serve as natural mulch.

SHOULD I APPLY FERTILIZER?

If plants appear to be growing well, they should not require fertilization. Fertilizer can actually harm newly developing roots, and summer/fall applications can prevent shrubs and trees from hardening off in time for winter. Applying compost is the best way to fertilize plants on shorefront properties.

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and other acknowledgements

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Members, Word Finder, & Cartoon

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Renewal Form (for those who still
need to renew membership for
2018)

For excellent info on what plants to grow
near the lakes check out this flyer online:

[https://www.pwd.org/sites/default/files/
lakes-like-less-lawn.pdf](https://www.pwd.org/sites/default/files/lakes-like-less-lawn.pdf)

LAKES
like less lawn
By Portland Water District

TAKE A BREAK.

DON'T RAKE.

SAVE THE LAKE.

Raking by the lake takes away the material that catches and filters the rain & runoff before it goes into the lake. So please consider minimizing your raking near the water.

MCGRATH POND & SALMON LAKE

2017 WATERSHED SURVEY

SURVEY FACTS

Watershed Towns: Belgrade & Oakland, Maine

Date: September 28, 2017

of Volunteers: 30

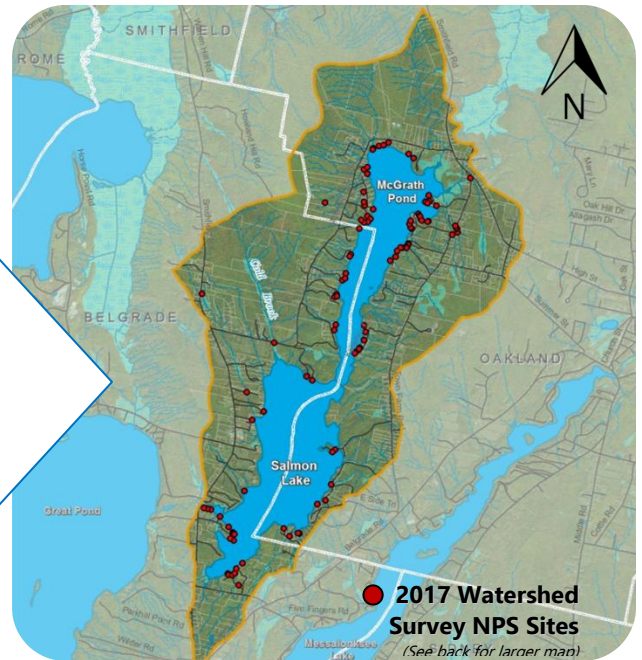
Water Quality Concerns:

- Polluted Runoff from Developed Land Areas
- Increased Frequency/Probability of Algal Blooms
- Low Oxygen/Internal Loading

Potential Pollutants: Nonpoint Source Pollution (NPS)*

Nutrient of Concern: Phosphorus

Total # of Sites Identified: 105



Number of NPS Sites by Land Use Type:

Residential	51
Beach/Boat Access	18
Driveways	13
Private Roads	11
Trails/Paths	5
State & Town Roads	3
Municipal/Public	2
Other	2



Residential properties account for 49% of documented NPS sites in the McGrath Pond-Salmon Lake watershed.

The watershed survey identified 105 different nonpoint source pollution (NPS) sites around the lake that affect the water quality of McGrath Pond & Salmon Lake

IMPACT

Shoreline erosion caused by beach and boat access on residential and commercial properties in the watershed accounts for an additional 17% of NPS sites. Private roads, driveways, and trails/paths on residential property cumulatively have a BIG impact on the water quality in McGrath Pond & Salmon Lake.



Things You Can Do To Help!

1. Add vegetation to your shoreline buffer
2. Define & stabilize footpaths (add infiltration steps)
3. Add erosion control mulch (ECM) to bare soil areas
4. Install dripline trenches at your rooflines
5. Capture and infiltrate driveway runoff
6. Maintain private roads annually
7. Become LakeSmart ~ Contact MPSLA!

CONSERVATION PRACTICES

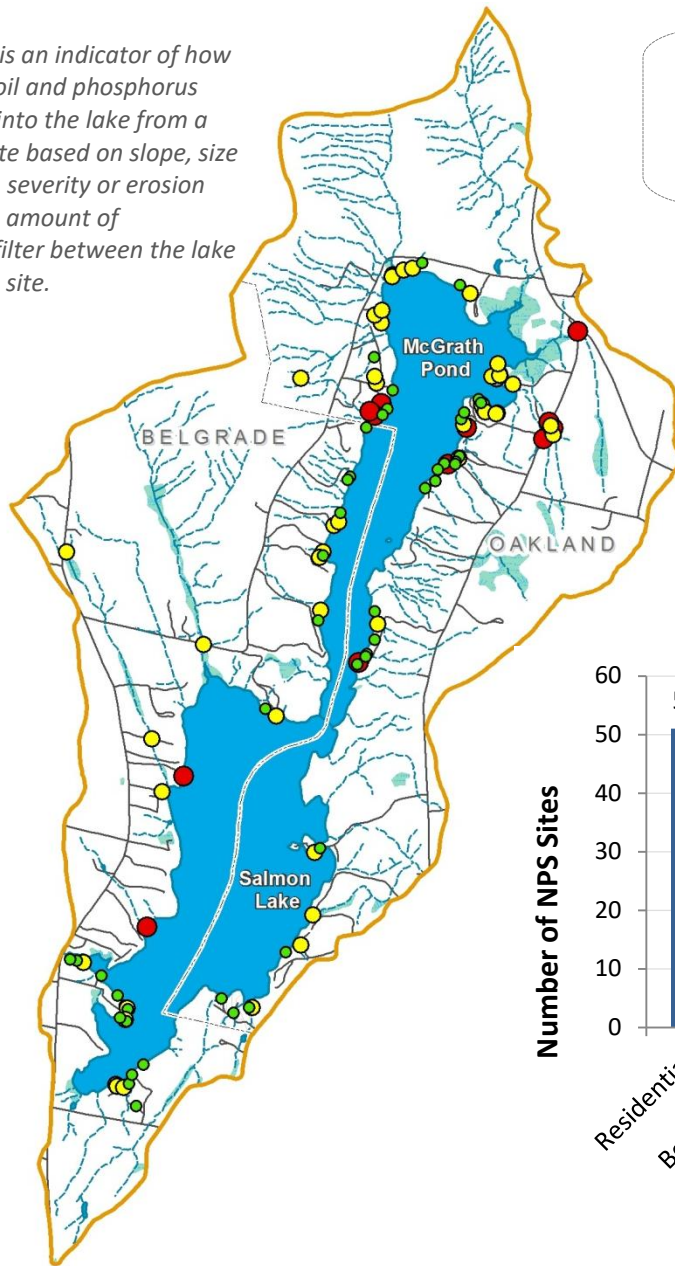


BEFORE & AFTER

*Nonpoint Source (NPS) pollution, or polluted stormwater runoff comes from a number of diffuse sources within a watershed. NPS includes soil, fertilizers, septic waste and other pollutants from diffuse sources across the landscape that are carried into a waterbody by rainfall.

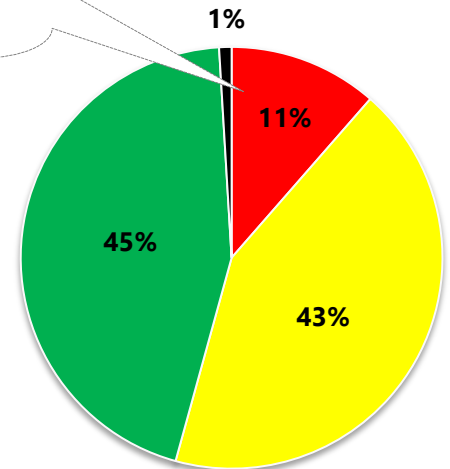
IMPACT OF NPS POLLUTION SITES & NUMBER OF SITES BY LAND-USE TYPE

Impact is an indicator of how much soil and phosphorus erodes into the lake from a given site based on slope, size of area, severity or erosion and the amount of buffer/filter between the lake and the site.



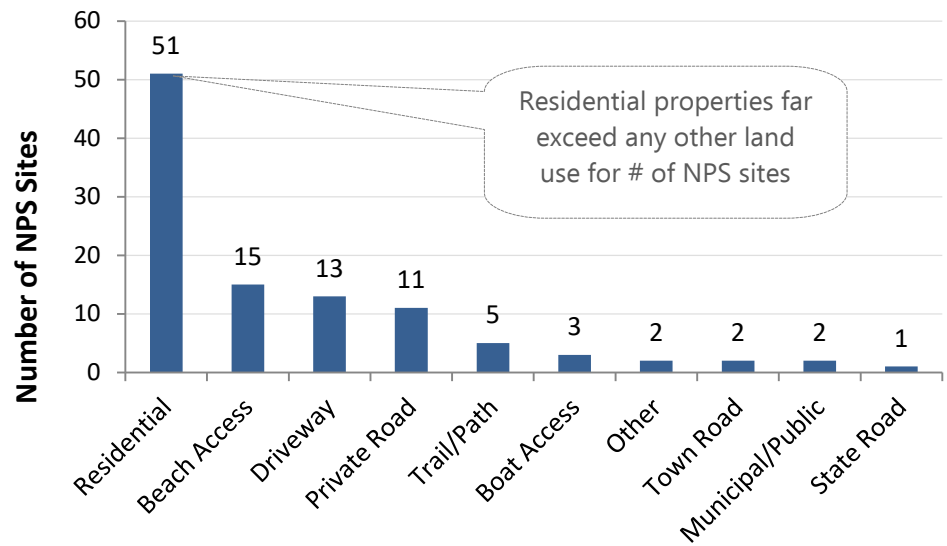
12 of the 105 sites ranked high impact. These sites are spread across 8 different land-use categories.

% of High, Medium & Low Impact NPS Sites



LEGEND

- High Impact
- Medium Impact
- Low Impact
- Unknown



Residential properties far exceed any other land use for # of NPS sites

of NPS Sites by Land-Use Type

Lake Characteristics	McGrath Pond	Salmon Lake
Surface Area	467 ac	666 ac
Perimeter	6.9 mi	7.9 mi
Maximum Depth	27 ft	57 ft
Average Depth	16 ft	23 ft
Flushing Rate	0.69/yr	0.54/yr

Watershed Restoration Priorities

1. Focus on residential, beach/boat-access, and driveway sites by neighborhood around McGrath Pond utilizing the local Youth Conservation Corps (YCC) to assist landowners
2. Address all private-road and high-impact boat-access sites around Salmon Lake
3. Meet with commercial camp owners to address NPS sites at commercial camps on both lakes
4. Improve public-access areas at Pleasant Point Park on the north end of McGrath Pond

This survey was made possible in part by the MPSLA through generous contributions of its members and grants from the Maine Volunteer Monitoring Program (VLMP), Belgrade Lakes Association (BLA) and the Norcross Wildlife Foundation. In-kind contributions were made possible by the many volunteers that participated in the survey, including MPSLA members, BRCA, Maine DEP, North Pond Association, and other interested stakeholders.

DEDICATION

With affection, gratitude, and respect we dedicate this MPSLA Watershed Survey Report to Christie Souza, without whom the survey would not have happened.

After her retirement from nursing, Christie took on the cause of protecting the water quality of MP-SL with great gusto. Christie spent countless hours raising funds, organizing events, writing the MPSLA newsletter, garnering support for water quality efforts and hosting meetings in her kitchen. Her single-minded focus on all things related to the lakes inspired MPSLA to make the watershed survey happen, and raised the level of awareness and support for maintaining the quality of our lakes. Throughout the many months of preparation leading up to the survey, with Christie at the helm, we found that working to protect water quality is not only essential, but fun!

Thank you, Christie!♥



ACKNOWLEDGEMENTS

The following people and organizations were instrumental in helping with the 2017 McGrath Pond-Salmon Lake Watershed Survey, and deserve special recognition for their efforts:

Watershed Survey Steering Committee Members

Charlie Baeder	Belgrade Regional Conservation Alliance
Mark Fisher	Town of Oakland
Dave Hallee	McGrath Pond-Salmon Lake Association
Kim Hallee	McGrath Pond-Salmon Lake Association
Dennis Keschl	Town of Belgrade
Lenny Reich	McGrath Pond-Salmon Lake Association
Bonnie Sammons	McGrath Pond-Salmon Lake Association
Christie Souza	McGrath Pond-Salmon Lake Association



More than 30 watershed survey volunteers gathered at Camp Tracy for a training the morning of the survey.

Thanks also to Jennifer Jespersen of Ecological Instincts, who prepared this report and maps by BRCA and WB GIS Services. Additional thanks goes out to all the technical support and volunteer assistance in completing this report! See the full report online for a complete list of those who helped.

Thank You for Your Continued Membership!

And Please Support Our Local 2018 MPSLA Businesses Members:

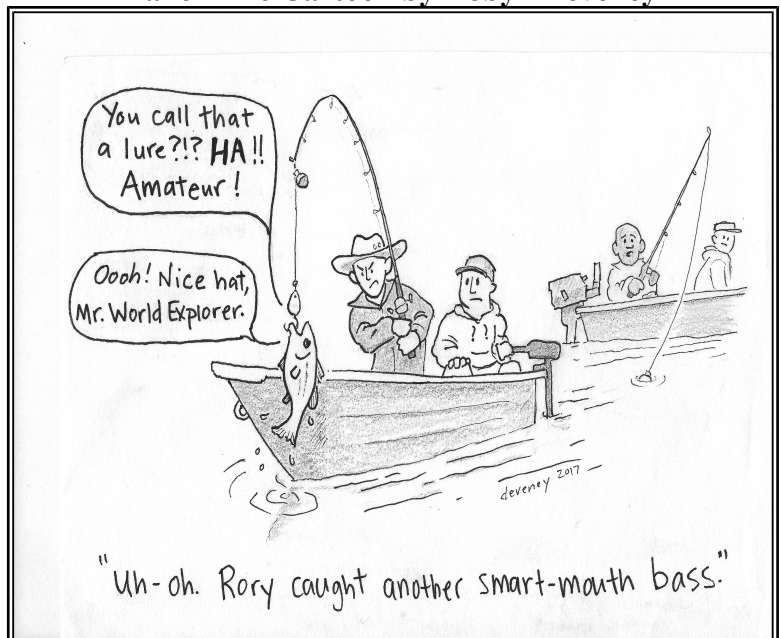
- ◆Aubuchon Hardware ◆Boy Locksmith
- ◆Camp Modin ◆Camp Tracy
- ◆Day's Store ◆Eye Care of Maine
- ◆Hammond Lumber ◆Higgins Construction
- ◆Lakeside Landscape ◆Korner Store & Deli
- ◆Novem Technology ◆RonNona, LLC
- ◆Sheridan Corporation ◆Smile Solutions
- ◆Sweet Dreams ◆Titan Tire Chain & Custom Welding
- ◆Town of Belgrade ◆Town Of Oakland
- ◆Wheeler Camps ◆Whisperwood Lodge & Cottages

Belgrade Watershed Word Finder

EAST POND	NORTH POND	MCGRATH POND	SALMON LAKE	GREAT POND
LONG POND	MESSALONSKEE LAKE	MESSALONSKEE RIVER	KENNEBEC RIVER	ATLANTIC

FBNGTXREL GELLAORENRV
 SPHCGSLONGPONDEYLDDED
 EXDSFNAPLXXGYVLFNMVW
 XKOHQJHQDDGMIJHQOCIO
 IZAAWFLQSNARVMEDQKRO
 IPGLRGQVHUCSXQAUUEK
 DDDYEIDQYEQCKVOIYCEC
 XFCNAELNB CAYUPBTBTKI
 FZLIODKEORUMGMETPJST
 ZFUKLPNSEPPQQS WPZOVNN
 TQONPNHGNCHDY YQUHEOA
 UDGMEJYTP OGTLYLAVLL
 PPWKPTKDANLYRYCSQUAT
 HJANSKMWSRWAUOTMZMSA
 XALREVXQAXGLSPNCOXSZ
 FIBEJIPAEBGCOSLUQFEM
 EKALNOMLASFNMUEWRAMA
 SVNI MUKCMEDKBOWMSCYK
 ABKGREATPONDJBAJHORK
 SFFZNVJ KKGUSVCNPSIZ

Lake Time Cartoon by Robyn Deveney



Summer 2018 Calendar of Events

Monday, May 28 – MPSLA Memorial Day Fishing-for-Garbage Community Cleanup

1:00 – 3:00pm, Salmon Lake Boat Launch. Bring something to drink and come outside to the public boat launch and help us clean up the lake. Prize for most unusual piece of trash fished from the lake, to be decided at 3:00pm. For more info contact Jenny (mpslassociation@gmail.com).

June 2 & 3 - Free Fishing Weekend. One more free fishing weekend in Maine. On these days, any person (except those whose license has been suspended or revoked) may fish without a license. All other laws and regulations apply on these days.

Saturday, June 2 – North Pond Association Boater Safety Program

9:00 – 3:30pm, Fairview Grange, 826 Village Rd, Smithfield, ME 04978. The Boating Safety Class Saturday June 2 at the Fairview Grange 9am - 3:30pm, taught by Inland Fisheries and Wildlife. This free class is open to all. Free lunch to all participants. Reserve a spot by calling 207 985-7271 or email (deelalcu@gmail.com).

Saturday, June 23 – MPSLA Community Cleanup at Pleasant Point Park

1:00 – 3:00pm, Pleasant Point Park, 59 McGrath Pond Rd, Oakland, ME 04963

Come outside and help MPSLA pick up trash at the McGrath Pond public beach. Bring water and get your volunteer game on, possible live music. For more info contact Jenny (mpslassociation@gmail.com).

Wednesday, July 4 – Annual 4th of July Boat Parade

3:00 – 4:00pm, Meet near Pleasant Point Park on McGrath Pond at 3:00pm sharp. Good fun for the whole family, whether on the water or waving from shore. Decorate your boat and circle the lake with us. After the parade, enjoy the mid-lake barge party!

Saturday, July 7 - "Are You Buff Enough?" Buffer Planting Workshop

9:00 – 11:00am, Fairview Grange, 826 Village Rd, Smithfield, ME 04978

Sponsored by the North Pond Association. All lake lovers far and wide are invited to this free event and a light breakfast will be provided. For more info please contact Jodie (jodie@northpond.net) or Linda (lindarice74@yahoo.com).

Tuesday, July 17 – July MPSLA Fellowship Dinner

5:30 – 8:30pm, Whisperwood Lodge and Cottages, 103 Taylor Woods Rd., Belgrade, ME 04917

\$20, includes soup or salad, dinner roll, entree and pie for dessert. If you like, bring your favorite drinks and hors d'oeuvres and meet on the shore at 5:30, dinner at 6:00pm. For more info contact Kim (dphallee@gwi.net).

Friday, July 27 through Sunday, July 29 – 2018 Oakfest: www.oakfestmaine.com

10:00 – 4:00pm, Saturday, July 28, MPSLA and LakeSmart Booth. Find the lake associations at the Open Air Market on Saturday in Oakland. Parking at Messalonskee High School.

Thursday, August 9 – MPSLA ANNUAL MEETING

6:00 – 8:00pm, North Belgrade Community Center, 508 Smithfield Rd, Belgrade, ME 04917

Our annual meeting for all MPSLA members and interested future members. Come at 5:30 and visit with your lake neighbors.

Tuesday, August 14 – August MPSLA Fellowship Dinner

5:30 – 8:30pm, Whisperwood Lodge and Cottages, 103 Taylor Woods Rd., Belgrade, ME 04917

\$20, includes soup or salad, dinner roll, entree and pie for dessert. If you like, bring your favorite drinks and hors d'oeuvres and meet on the shore at 5:30, dinner at 6:00pm. For more info contact Kim at (dphallee@gwi.net).

Saturday, August 25 – MPSLA Community Park Cleanup

1:00 – 3:00pm, Salmon Lake Public Boat Launch

Come outside and help MPSLA pick up trash at the Salmon Lake public boat launch. Bring water and get your volunteer game on, possible live music. For more info contact Jenny at (mpslassociation@gmail.com).

Our Mission is to protect the natural character, enhance the water quality,
and promote the responsible use of the lakes for the benefit of ALL.

MPSLA of the Belgrade Lakes
PO Box 576
Oakland, ME 04963



2018 Annual Membership Form
January 1 -Dec 31

Your **tax deductible** membership contribution funds education and water quality improvement efforts, as well as Courtesy Boat inspections at the public boat launch on Salmon Lake.

Please complete the form below or online at www.mcgrathpond-salmonlake.org/

Name _____ Additional Name _____

Preferred Mailing Address _____

Lake Address _____

Email _____ Phone _____

☐ Check if you prefer email over postal mail.

I / We wish to be members of MPSLA for 2018 ➡ (please CIRCLE your choice):

Individual Membership
\$35

Family Membership
\$50

Futurist *or* Business
Membership
\$100

I / We would also like to contribute: \$_____ to Water Quality (includes Watershed Protection Plan).

\$_____ to the Frances Fox Sandmel Environmental Education Fund.

Total enclosed: _____ + _____ + _____ = _____
(Membership) (Water Quality) (Education) (TOTAL)

MPSLA is a registered 501(c)(3) nonprofit organization. Your contributions are tax-deductible.

✓ **Please make checks payable to "MPSLA" and mail to: PO Box 576, Oakland, ME 04963**

Or - donate via our website at www.mcgrathpond-salmonlake.org with your credit card or PayPal.

I'd like to get involved!

☐ I'd like to become active with the MPSLA board of directors.

☐ I can to help with Water Quality & Education and/or Social & Community activities.

☐ I am able to assist MPSLA in this capacity _____.

☐ We wish to participate in LakeSmart. Please contact us this summer via ☐ phone ☐ email.

THANK YOU!



McGRATH POND
& SALMON LAKE

❖ A S S O C I A T I O N ❖

Stewards of the Belgrade Lakes

PO Box 576

Oakland, ME 04963



McGRATH POND
& SALMON LAKE

❖ A S S O C I A T I O N ❖

Our Mission is to preserve and protect the natural character, enhance the water quality, and promote the responsible use of the lakes for the benefit of ALL.

Visit our website: www.mcgrathpond-salmonlake.org

Find us also on FaceBook: McGrath Pond – Salmon Lake Association

Email: mplassociation@gmail.com

* Please send us an email if you would like to receive the newsletters electronically, your support will help us cut down on printing costs. Thanks!