

# The Coalition of Haliburton Property Owners Associations - C.H.A.

## Love Your Lake Shoreline Assessment Project Final Results & Next Steps Presentation to County Council

June 27th 2018



[www.cohpoa.org](http://www.cohpoa.org)

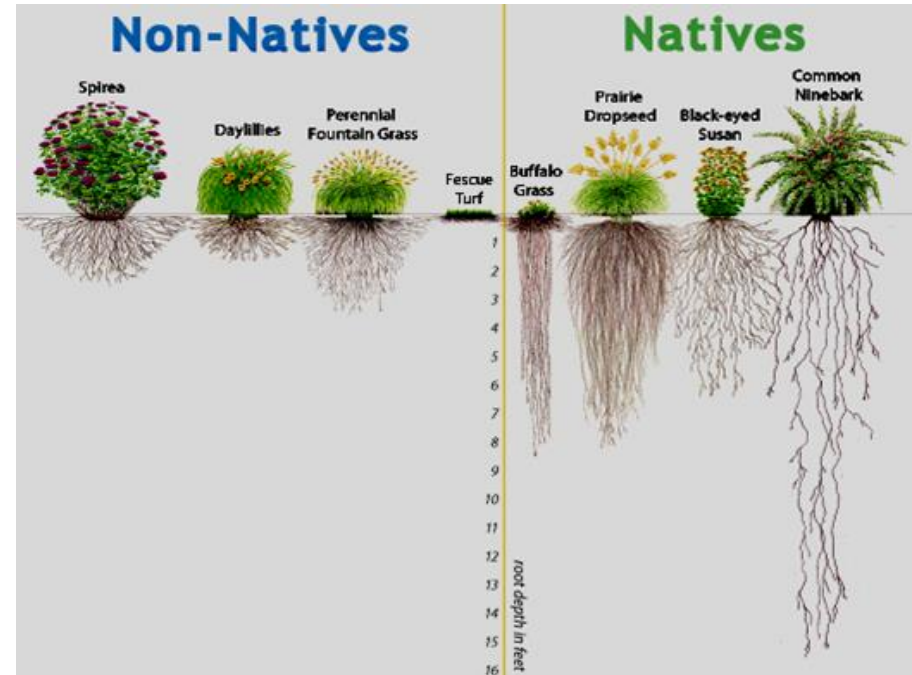
# Overview

- The Love Your Lake Shoreline Project
  - Why
  - Funding
  - Original Goals
  - Actual achievements
  - The key metric
  - Results
  - What they mean
    - Natural vs Natural + Regenerative
  - What do we do next
- Lake Health & Shorelines
  - What is required
    - Retain existing Natural areas
    - Renaturalization
      - » Numbers
      - » \$
  - Obstacles
  - C.H.A. steps & plans to address obstacles
  - What Can County & Municipalities do



# Why - Natural Shorelines

- Direct relationship to lake health
- 80-90% of all lake life
- Minimum = 75% lake back 30 metres
- Habitat
  - Benthics Fish, Frogs, butterflies
- Filtering **Phosphorous** & other Pollutants



# The Bottom Line

- Water Quality In Any Lake Below The 75% Minimum Is Headed Down
- Climate Change Is Changing The Rules In Ways We Don't Fully Understand Yet
- How Long Will 75% Be Good Enough??



# Funding

## Proudly Sponsored by



**HALIBURTON COUNTY  
DEVELOPMENT CORPORATION**  
A Community Futures Development Corporation



CANADIAN WILDLIFE  
FEDERATION

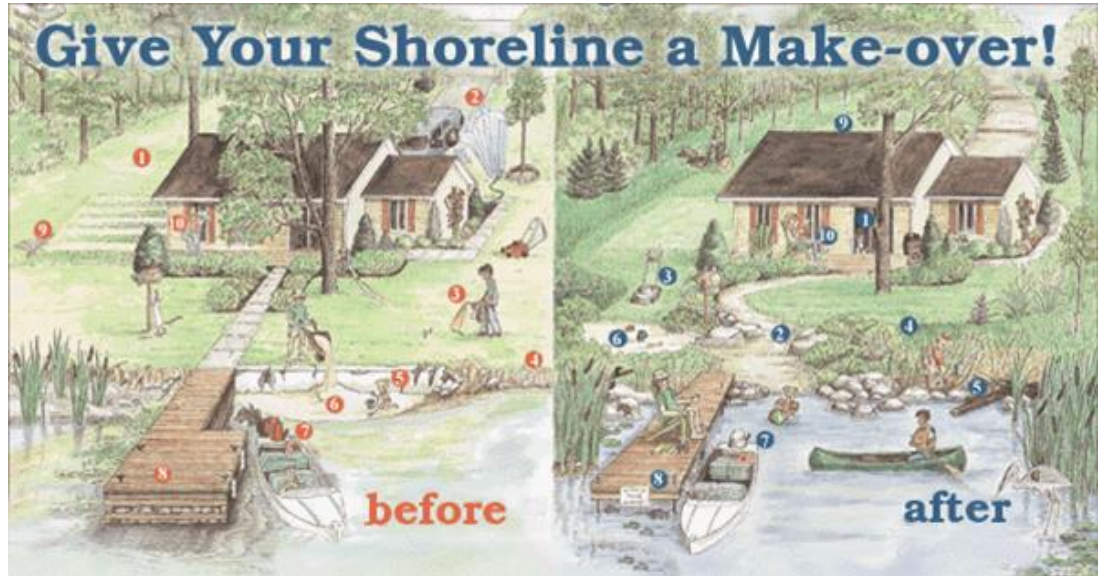
FÉDÉRATION  
CANADIENNE  
DE LA FAUNE



- *\$300,000.+ into County*
- Lake Associations
  - Mailings
  - Boats and Gas
  - Accommodations
  - \$2.50 per property
  - Approx. 80 volunteers per year

# Goals

- Know where our Lakes stands vs 75%
- Tips for individual property owners
- Motivate and inform change
- **Action**





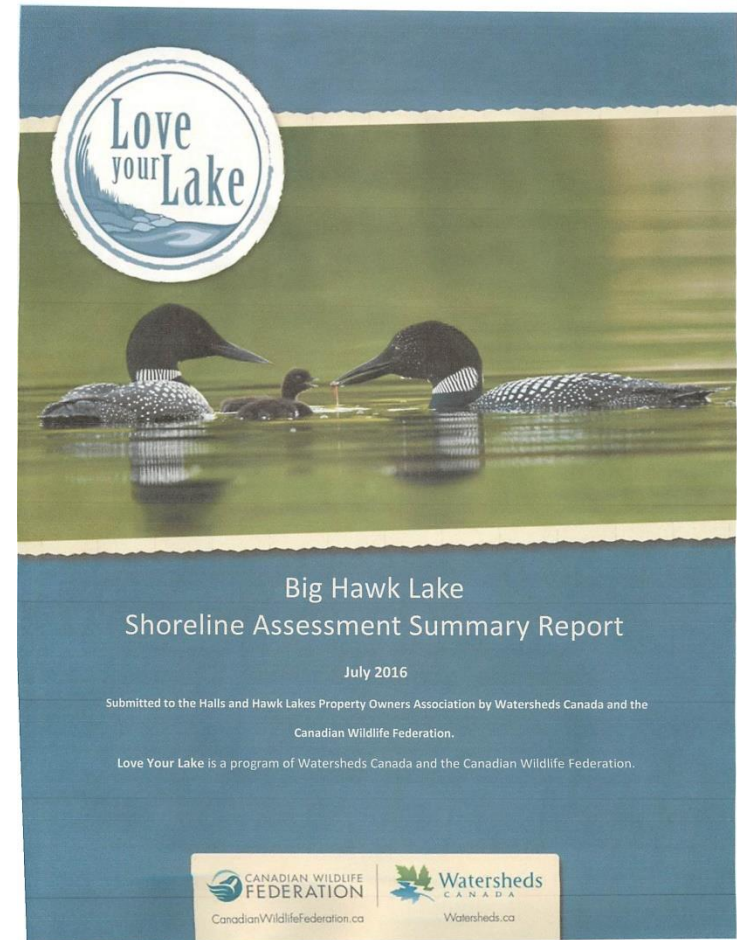
# Data Collected & In Reports

- % of each of 4 classifications
- Set Backs
- Shoreline development (10%) – structures, docks and walls
- Structures # & type
- Docks & type



# Data Collected & In Reports cont.

- Retaining walls
- Erosion & type
- Aquatic Cover
- Aquatic Substrate
- Invasive species
- Slope





# Original Goals & Actual Achievements

## Goals

- Properties – 8,800
- Lakes – 45
- Renaturalization Demo properties – 4

## Achievements

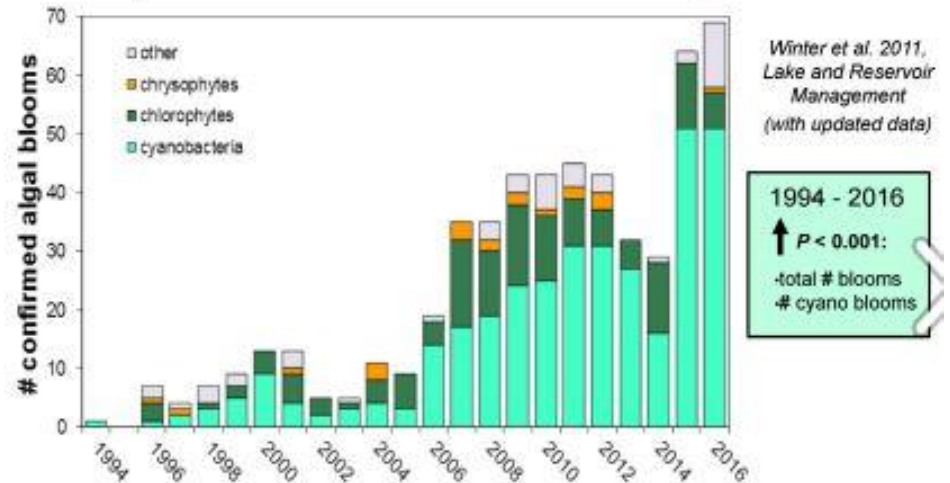
- Actual - 13,487 = 153%
- Actual – 72 = 160%
  - 60 in County
- Actual – 25
- Kms surveyed = 1,072.6
- Volunteer Hours = 16,800
  - or 8.9 years of Full Time Work Equivalent



# The Key Metric

- Water Quality In Any Lake Below The 75% Minimum Is Headed Down

## Reports indicate an increasing trend



- The frequency of bloom reports in Ontario inland lakes is increasing
- The frequency of confirmed cyanobacteria blooms in particular is increasing


# Results from the 60 County Lakes

*Target Minimum = 75% Natural Shoreline Cover*

- % of lakes not meeting the 75% minimum = **92%**
- Average Natural % of 60 lakes = **46%**
  - Regenerative = 28%
  - Ornamental = 25%
- Lake at or above 75% = 5 or 8%
- Properties needing renaturalization = 5,228
  - 939 Kms of shoreline ( *or from where we are sitting to Chicago*)

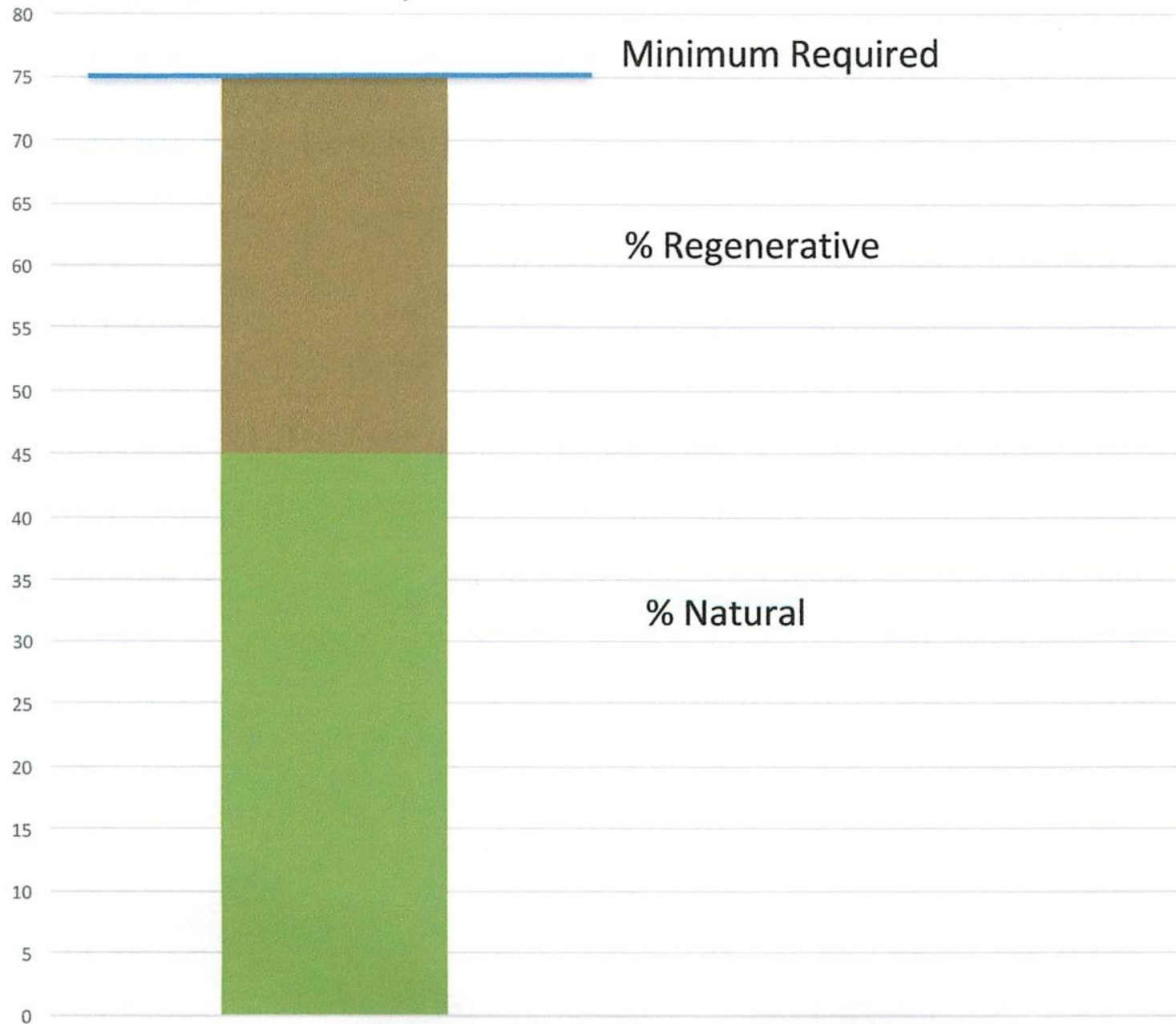


# Natural or Natural + Regenerative

- The debate
- Regenerative  Natural
  - Conversion Factor?
    - Age
    - Types of vegetation
- Why we give info both ways
  - Natural number needed for lake health
  - Combined number needed for action plans



# Haliburton County Shoreline Results



# What do we do next

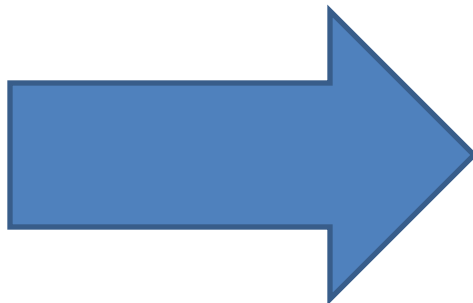
- Need to get to 75% plus
- = 5,228 properties
  - Massive task
  - \$ 25 Million
    - = Great biz opportunity
- Obstacles
  1. Motivation
  2. Info
  3. Resources





# Obstacle # 2 = Information

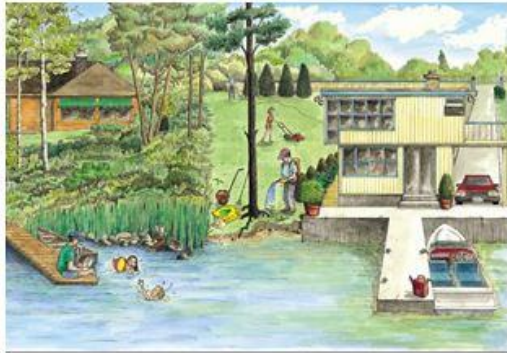
- # 1 question
  - What do I plant if -----  
-----
  - What does that look like
  - How to plant
  - How do I care for it



# The Idea

- Tool on web to answer the # 1 questions
  - Tool must exist somewhere – no
  - So use the expertise of Julia Sutton and the technical talents of Technicalities Plus to do it locally
- Started Aug 21<sup>st</sup> 2017
- Launched May 6<sup>th</sup>





## SHORELINE HEALTH

Shoreline Plant Search

Renaturalization Resources

Suppliers

you are here: [home](#) > [shoreline health](#) > shoreline plant search

## Shoreline Plant Search

### Shoreline Vegetation - Expert Recommendations

Please select a plant type *(required)*

Plant Type



Soil Types



Sunlight



Moisture



Location

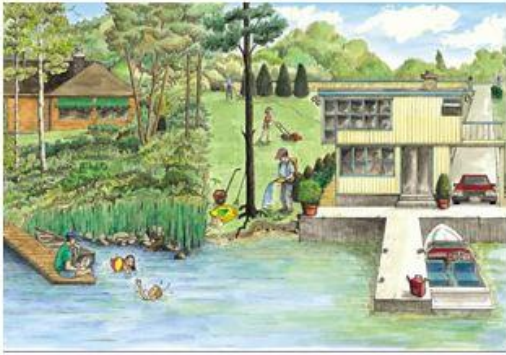


Other Options



SEARCH

CLEAR FORM



# SHORELINE HEALTH

Shoreline Plant Search

Renaturalization Resources

Suppliers

Naturalization Worksheets

Healthy Shoreline Resources

you are here: [home](#) > [shoreline health](#) > shoreline plant search

## Shoreline Plant Search

### Shoreline Vegetation - Expert Recommendations

Please select a plant type *(required)*

Tree ▼

Soil Types <span>▼</span>	Sunlight <span>▼</span>	Moisture <span>▼</span>	Location <span>▼</span>	Other Options <span>▼</span>
<input checked="" type="checkbox"/> Sand	<input checked="" type="checkbox"/> Full Sun	<input type="checkbox"/> Wet	<input checked="" type="checkbox"/> Water's Edge	
<input type="checkbox"/> Loam	<input type="checkbox"/> Part Sun	<input checked="" type="checkbox"/> Moist	<input type="checkbox"/> Upland	
<input type="checkbox"/> Clay	<input type="checkbox"/> Shade	<input type="checkbox"/> Normal	<input type="checkbox"/> Forest's Edge	
<input type="checkbox"/> Rocky		<input type="checkbox"/> Dry	<input type="checkbox"/> Forest	

SEARCH CLEAR FORM



## Chokecherry

**Scientific Name:** *Prunus virginiana*

**Height:** 4 to 8 m

**Bloom Colour:** white

**Bloom Time:** May to June

**Spread:** 4.5 to 6 m

**Spacing:** 6 m

### Planting Instructions:

Prepare a hole double the size of the plant's root ball and loosen the soil at the bottom. Add compost and mix with existing soil. You may need to remove some to maintain a large enough hole. Add bonemeal if you wish (aids in root establishment). Place plant into the hole with roots pointing down. Fill in a mix of soil and compost around the plant, pressing down firmly as you go. Fill the hole to the top of the root ball and ensure all roots are buried. Using your foot, carefully and firmly press the soil in around the plant to ensure good root to soil contact. Water. You may want to place a thick layer of leaves, natural wood chips, straw or coir fabric around the base of the plant to help reduce weed pressure while it gets established.

### Maintenance Instructions:

Water until established. You may wish to water during drought years to help reduce stress. Chokecherry will sucker. If a tree form is desired, you can prune it into the desired shape.

### Notes:

Chokecherry is a large shrub and can also be classified as a small tree. Chokecherry grows quickly and can tolerate drought. It produces attractive white blossoms and edible berries that provide food for wildlife in mid to late summer. The berries are also edible for humans and are typically made into jelly. This important shrub is used by many birds, native bees and insects, large mammals including

[Download PDF of this plant](#)



*Image credit:*

[Evergreen Brick Works](#)

# Obstacle # 1 Motivation

- • The 2018 Healthy Lakes Contest
- Goals
  - Impart lake health info
    - KISS
    - Repeats
      - 3 x rule
    - Give folks an incentive to read
    - Fun
  - Support our community by supporting local media
    - Importance of having healthy local media
    - people who consume local media more likely to support
      - Local biz
      - Local events





# The Healthy Lakes Contest

More than \$5,000 in prizes to be won - including \$1,000 cash!

## Septics: The Basics

Septic systems are the number one polluter of our lakes and rivers.

The more efficiently your Septic System operates, the less pollution goes into the environment.

The 2 secrets to Septic Health and minimizing lake pollution are: **Bacteria and Time**

**Bacteria** –Never let anything go down the drain that kills the good bacteria in your system – your system need these bacteria to digest the waste before the water goes back into our water table and lakes.

**Time** - Your system needs as much time as you can give it to digest the waste you put in before the next load of water arrives. Remember – one drop in = one drop out of your system.

Give your system time by Minimizing Water Use and Spreading It out over Time.

### IF YOU'VE GOT TO FLUSH, DO IT RIGHT

Some older toilets can use as much as 13 litres of water each flush! Switch to a low flow or dual flush toilet to conserve water. The C.H.A. recommends the Water Matrix 3 litre ultra-low flush toilet which is available locally.

*Tip of the Week*

Pay attention to this tip to answer next week's question!

## Shorelines: The Basics

Without a liver your body would not be able to filter toxins and would die. A Natural shoreline is your lake's liver.

Maintaining and re naturalizing our lake shorelines is one of the 2 most important actions that we can take to protect our lakes. Natural shorelines filter out nutrients such as phosphorous before they get into our lakes and cause algae blooms, weed growth and decreased fish populations. They also reduce erosion and flooding and increase habitat for beautiful creatures such as butterflies, birds, fish and frogs.

90% of life in your lake depends on a Natural shoreline with deep rooted native trees and shrubs.

If 75% of your lake's shoreline is not natural your lake is headed for trouble.

### LEAVE FALLEN TREES BE

Fallen logs are wonderlands for fish, who use them as natural shelter. There's a direct correlation between your lack of fish stories and your lack of natural shoreline. Grass to the shoreline and retaining walls don't promote a healthy fish population – bring the fish home with a natural shoreline.

*Tip of the Week*

Pay attention to this tip to answer next week's question!

## Prizes!

### This Week's Prizes Are:

**ALGONQUIN OUTFITTERS**

\$50 gift certificate to Algonquin Outfitters

**Abbey GARDENS**

Two spots at shoreline naturalization workshop on July 14 & membership (a \$65 value) from Abbey Gardens

**PLUS** \$25 gift card from Northern Expressions, \$25 gift card from Lockside Trading, one-year supply of EcoEthic septic treatment, a gift card for PJs from Country Pickin's and barbecue paddles from Walkers Home Hardware Haliburton

The Healthy Lakes Contest brought to you by:



## This Week's Question:

**Should I spend my weekends cutting my grass by the shore?**

### How to Win:

Email your answer to this week's question by 5 p.m. Monday, June 25 to [chacontest@canoefm.com](mailto:chacontest@canoefm.com). The draw will happen on Friday, June 29 at 4:30 p.m. and the winner will be announced live on air on 100.9 Canoe FM and in this space next week. (Only correct answers will be entered in the draw).

### Play Each Week!

All qualifying ballots will be entered in a grand prize draw of \$1,000 cash to be held Friday, Sept 7, 2018!

**Congratulations!** To **NITA ACKER**  
of Dorset who correctly answered last week's question!

# Win Obi wan Kenobi

- Dr Norman Yan - The top lake health expert in Canada
  - Will customize a presentation for your lake(s)
  - Speak at an event of your choice 2019
- Do the best job promoting the contest around your lake
- Send your program to Paul
- Also 2<sup>nd</sup> & 3<sup>rd</sup> prizes



# County & Municipal Help?

- Thanks for Shoreline Preservation by law
- Will be approaching the Municipalities this winter



# In Summary

- We now know where we stand
- We clearly need to take action to protect our lakes, economy and way of life
- The keys are
  1. Motivation
  2. Information &
  3. Resources
- We have plans for 1 & 2
- Action has started and will continue
- This needs to be a community wide effort
- We will be looking for support
- We thank the County for their ongoing support

