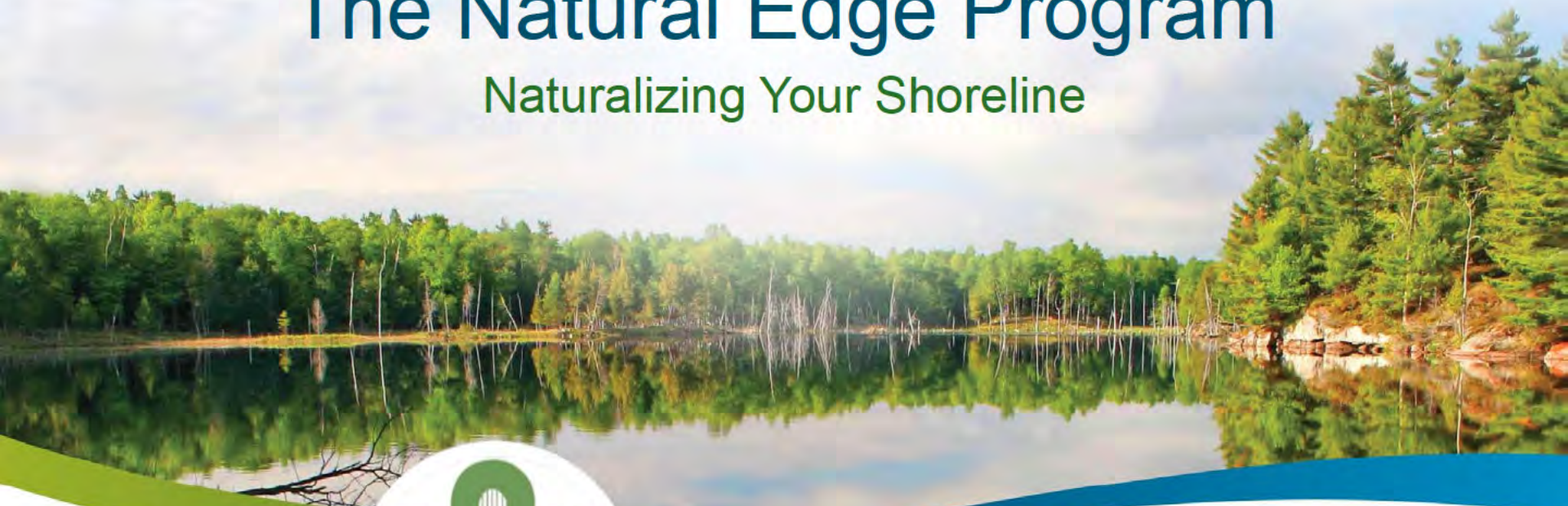




The Natural Edge Program

Naturalizing Your Shoreline



Presentation by:





Requests for the ESSC council membership to consider include:

- Champion in your community, letter of support
- Discussion for a motion for staff report - partnership development for Native Species priority gardening
- HRM or provincial vacant land share agreement to propagate Lakeshore specific plants for private property





Provincial lead Love Your Lake Program Delivery Partners

Over 5 years with 4,000 parcels assessed

Your Lakes. Your Rivers. Your Future.

watersheds.ca

Our Pilot Project

We have received funding from the RBC Foundation to plant 7 gardens of native trees, shrubs, and wildflowers, naturalizing hundreds of meters of shoreline.

We will be working with landowners of both residential and public lands to restore their properties using vegetative buffers.

These can act as demonstration sites for lake visitors and property owners.

The Natural Edge

Empowering Canadians to restore their shorelines using technology and native plants

Is a custom-built program is designed to help waterfront property owners, agricultural property owners, and community groups create a natural and resilient shoreland.

Planting a selection of native trees, shrubs, wildflowers, groundcovers, and grasses suitable for their property ensures long-term benefits.



The Solution



Taking Action

People value the health of their shoreline and how it looks.
We design a natural landscape plan together to meet both of these values.

2:36 PM Thu Sep 19

Riverside Park : Moira River

Moira River

490.0m²
(watershed)

173
Plants

Survey Date:
April 23, 2019

Eco Zone:
6a

Planting Date:
TBC

Planting partner:
Watersheds Canada

Landowner information
Riverside Park

Property address
Riverside Park, Belleville, Ontario

Spring 2019: Up

Complete pre-sur

Complete project

Complete landown

Add plants + comm

Sign Landowner A

Set planting date

Complete planting

Complete post-su

Fetch updates from website

Offline

Add new compartment

A

39
Plants

65.0m²

3 Black-Eyed Susan

3 Butterfly Milkweed

2 Canadian Serviceberry

3 Lance-Leaf Coreopsis

6 Nannyberry

10 Narrow Leaved Meadowsweet

4 New England Aster

8 Red Osier Dogwood

6 Blue Lupine

Dry, Normal

Normal

Sandy

Full Sun

Potted, Bareroot, Wildflowers

Any

R

3 Purple Coneflower

3

3 Silver Maple

1

7 Canadian Serviceberry

7

7 Pasture Rose

7

7 Black Chokeberry

7

3 Lance-Leaf Coreopsis

3

Dry, Normal

Normal

Sandy

Full Sun

Potted, Bareroot, Wildflowers

Any

EDIT SITE CONDITIONS

All plans

Compartment

Tools

Plants

Settings

Compartment A

Naturalization Area

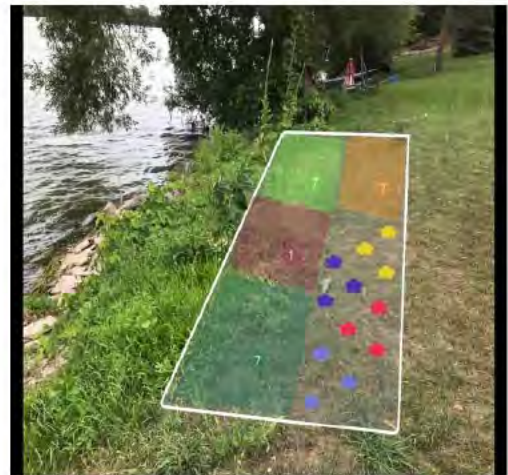
PH: normal

DEPTH: potted, bareroot

MOISTURE: dry, normal

SOIL TYPE: sandy, loamy

LIGHT CONDITIONS: full sun, partial sun



- Silver Maple 1
- Pasture Rose 7
- Black Chokeberry 7
- Lance-Leaf Coreopsis 3
- Purple Coneflower 3
- Canadian Serviceberry 7



Native plant database | How it works | Resources | Partners

Plant Database

Search plants...

Show zone map

Showing 1-12 of 389

1 2 3 ... 33 >>

Plants native to...

- ☐ Ontario (299)
- ☐ Quebec (266)
- ☐ Manitoba (218)
- ☐ British Columbia (216)
- ☐ New Brunswick (212)

See 7 more

Filter by selecting your conditions and preferences:

Type of plant

- ☐ Shrub (140)
- ☐ Wildflower (130)
- ☐ Tree (87)
- ☐ Ground Cover (20)
- ☐ Fern (11)
- ☐ Vine (11)

Moisture level

- ☐ Moist (347)
- ☐ Normal (267)



Alderleaf Buckthorn

Plant height: Max 1.5m, Max 2m, Max 3m, Any
Moisture level: Moist, Wet, Flood Tolerant
Light conditions: Partial sun, Shade
Soil type: Sandy, Loamy, Clay, Humus, Rocky

Save to my list



Allegheny Serviceberry

Plant height: Any, Over 3m
Moisture level: Dry, Normal, Moist
Light conditions: Full sun, Partial sun
Soil type: Sandy, Loamy, Rocky

Save to my list



Stephany Hildebrand



Stephany Hildebrand



Agricultural Plantings



Who are we?

Watersheds Canada has been working with a diversity of landowners, communities and organizations since 2002 to keep our freshwater healthy, beautiful and available for generations to come.

We *love* what we do, and we give it 100% each and every day.





Watersheds
C A N A D A

Mission

We work with landowners,
communities, and organizations to
protect lakes and rivers through
developing effective, transferable,
long-term solutions.

Your Lakes. Your Rivers. Your Future.

watersheds.ca

The Natural Edge Program

The Natural Edge Program is designed to help landowners create a natural shoreline by planting a selection of native trees, shrubs, and wildflowers suitable for their property

Restoring the *Ribbon* of Life

Components of a shoreline

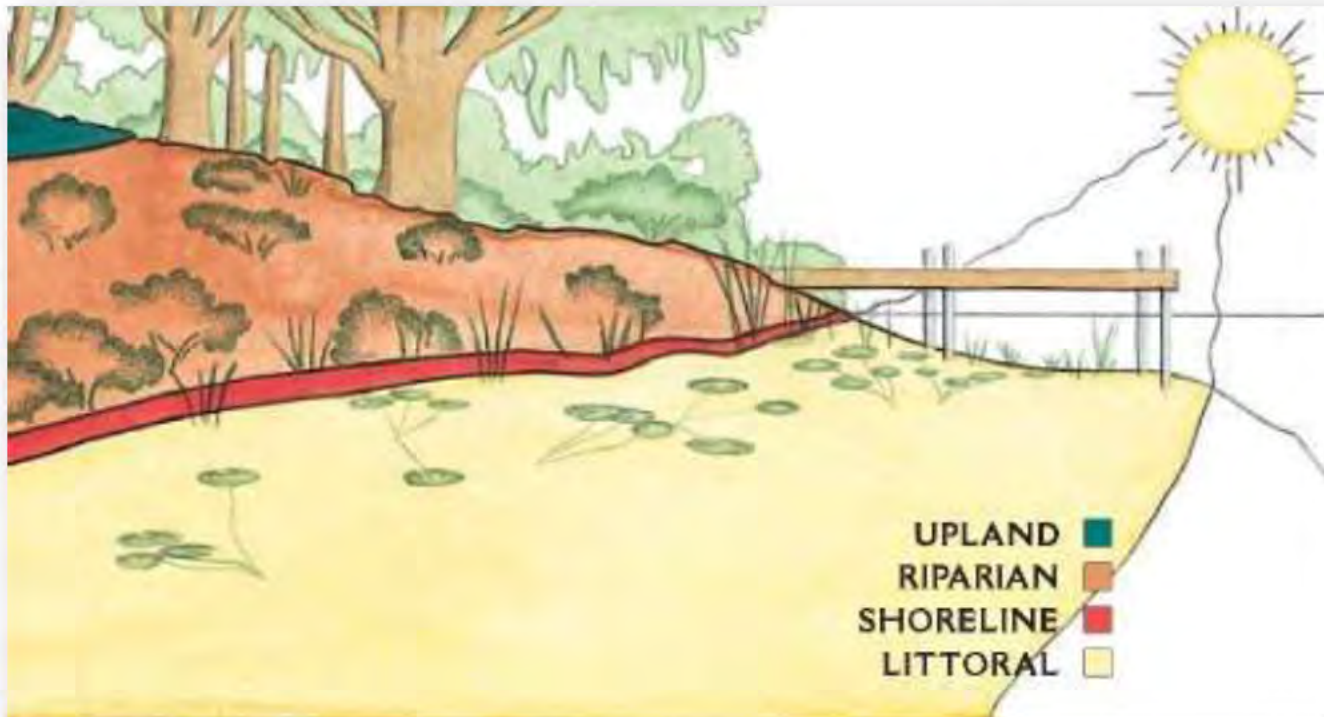


Image credit: Shoreline Primer

Completely Natural Shoreline

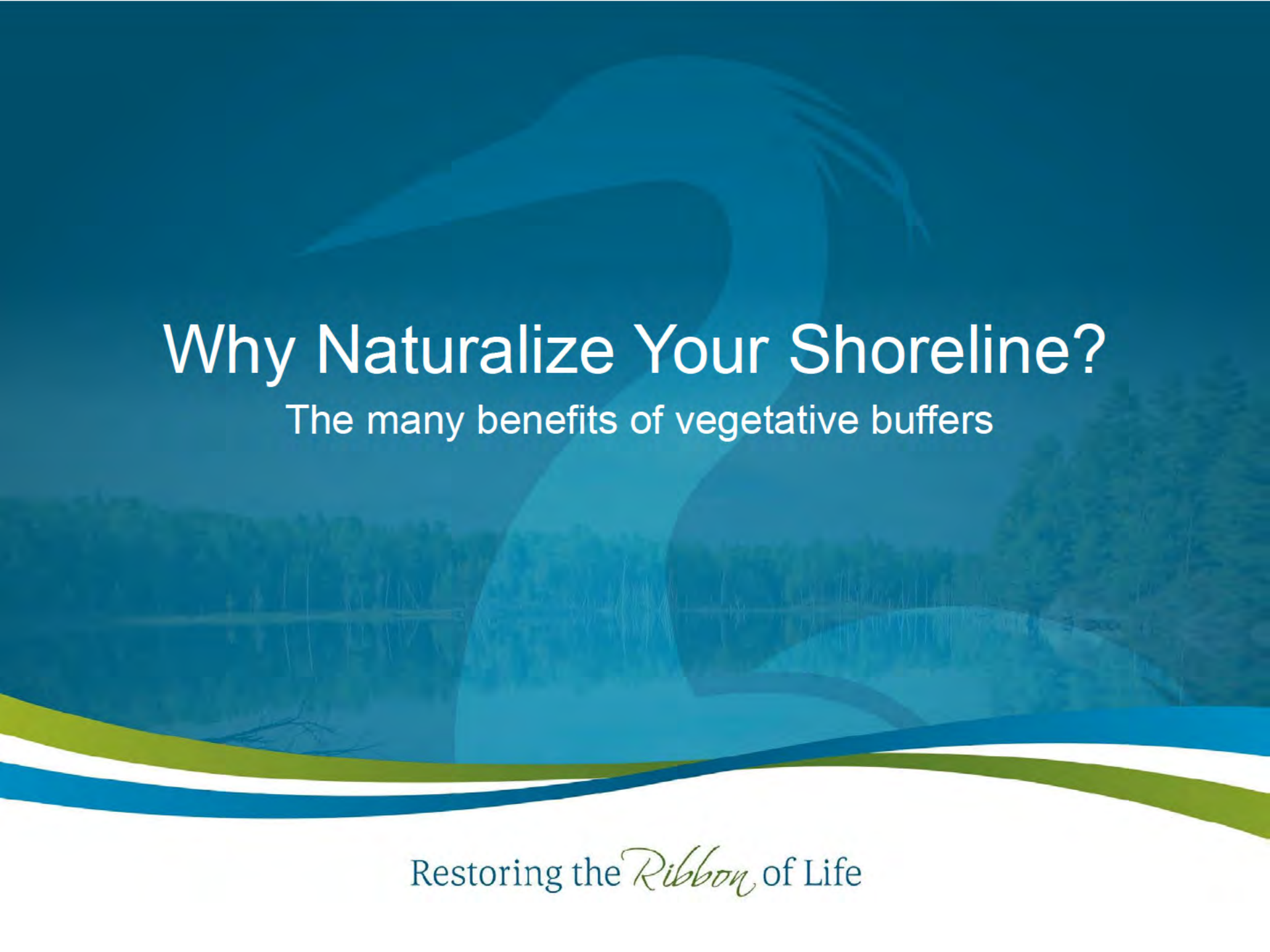


Developed Shoreline



Photo: Scott Brown

Photo Source: Wikicommons



Why Naturalize Your Shoreline?

The many benefits of vegetative buffers

Restoring the *Ribbon* of Life

Creates Habitat

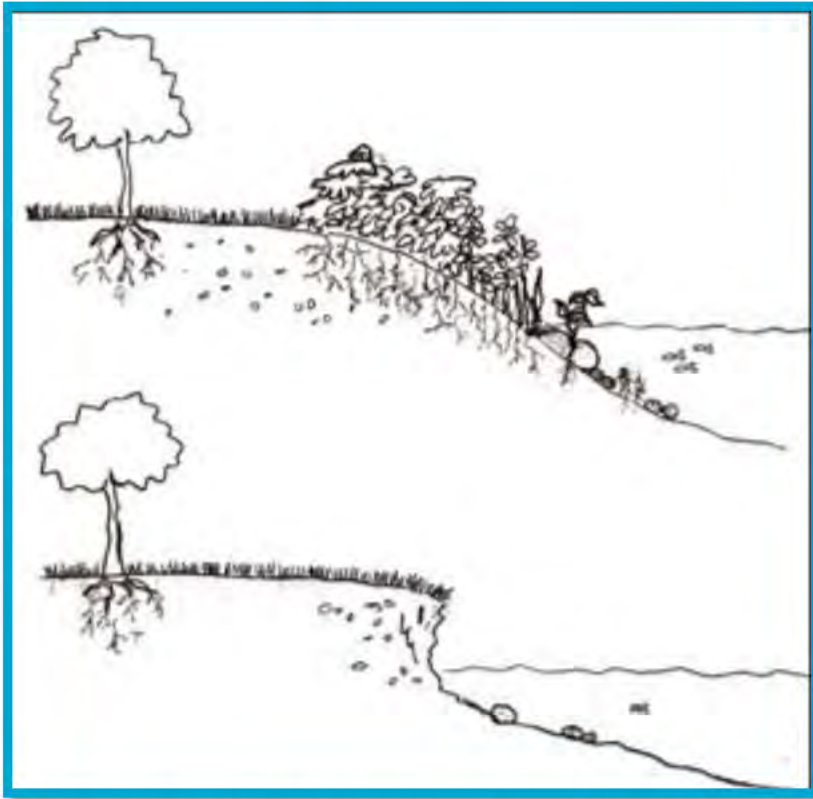
- Over 90% of aquatic wildlife species use these land-water interfaces for:
 - Shelter,
 - Food,
 - Breeding areas, and
 - Rearing areas



Why Should You Have a Natural Shoreline?

The
NATURAL
Edge Restoring the
Ribbon of Life

Stabilizes Soil



- Roots hold soil in place, reducing erosion from:
 - Boat wakes
 - Waves
 - Increased water runoff

Image Credit: NY State Department of Environmental Conservation

Filters Toxins and Runoff



- Roots filter:
 - Chemicals
 - Excess nutrients

Why Should You Have a Natural Shoreline?

Blocks Geese



- Geese prefer an open area
- Trees and shrubs block their view

Regulates Water Temperatures

- Shades the shoreline
- Hard surfaces absorb heat.



Why Should You Have a Natural Shoreline?

The
NATURAL
Edge Restoring the
Ribbon of Life

Protects Property Value

- Protects shoreline from erosion
- Protects water quality
- Regulates water temperatures
- Creates more privacy



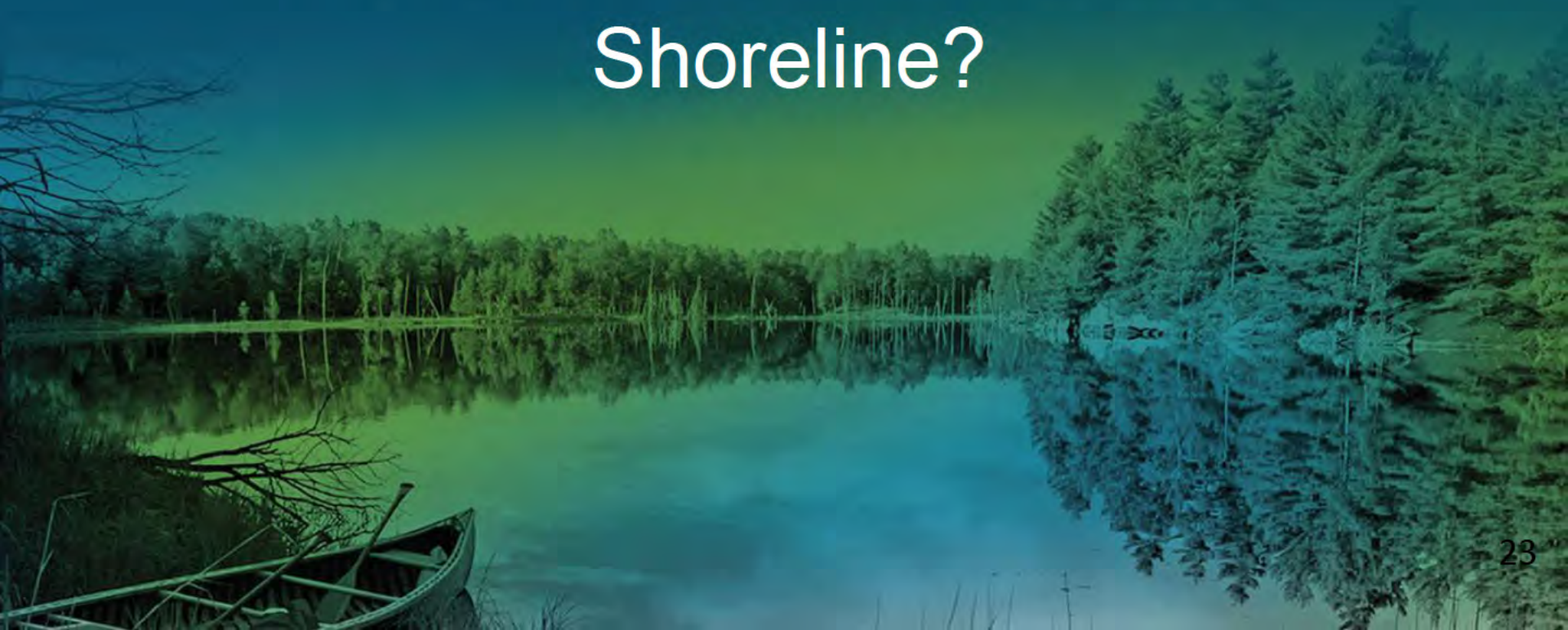
Why Should You Have a Natural Shoreline?



Watersheds
CANADA



How Can You Protect Your Shoreline?



Plant Native Trees and Shrubs

- Choose where you want to plant
 - 25% rule
 - Sightlines/pathways/seating areas
- Determine your soil type and moisture level
 - Sand
 - Clay
 - Loam
 - Wet/Moist/Dry



Native Plant Database

Native Shoreline Plants

Planting Guide

1

Search

Use the search options below and click "search" to explore our plant database.

2

Refine

Refine your search and save your preferred plants to a personalized list.

3

Save

Review, refine, print and save your personalized list as a PDF.

Hardiness Zones for Ontario

Canada

Plant Type - All

Light Conditions - All

Soil Conditions - All

Hardiness Zone - All

Plant Search

SEARCH

Edmonton

SASKATCHEWAN

Saskatoon

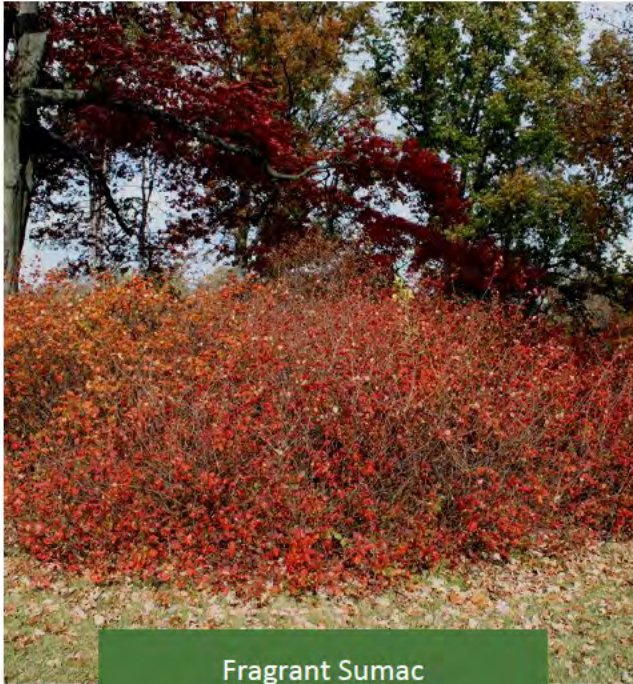
NEWFOUNDLAND
AND LABRADOR

naturaledge.watersheds.ca/plant-database/

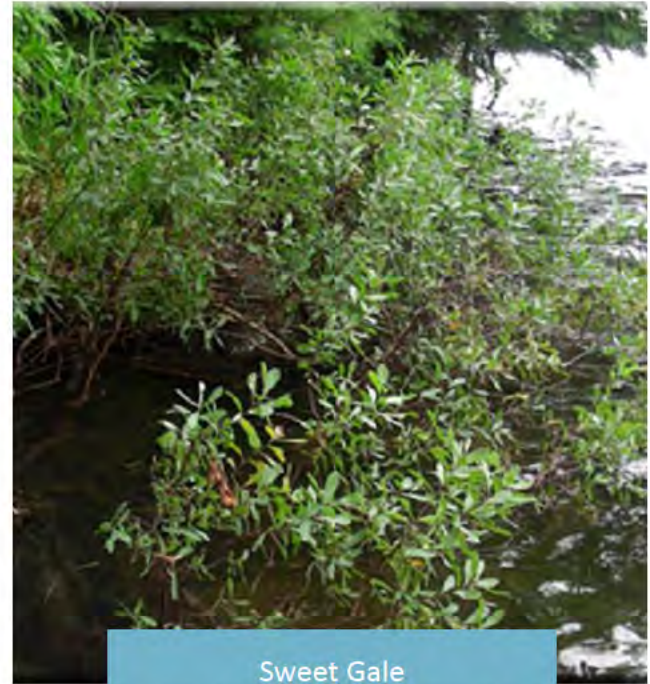
Examples of Native Trees and Shrubs

	Species Name	Soil Condition
Low Shrubs	Fragrant Sumac	Dry
	Bush Honeysuckle	Moist
	Sweet Gale	Wet
High Shrubs	Serviceberry	Dry
	Highbush Cranberry	Moist
	Grey Dogwood	Wet
Trees	White Pine	Dry
	White Birch	Moist
	Black Willow	Wet

Examples of Low Native Shrubs

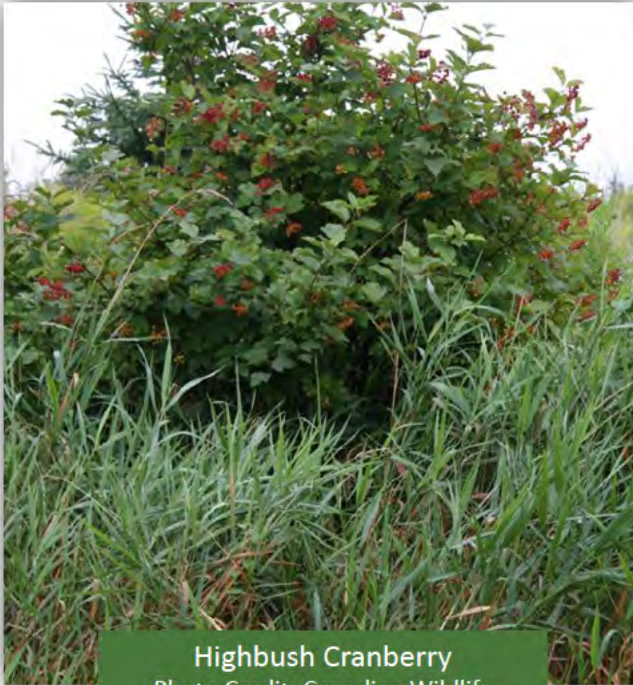


Fragrant Sumac
Photo Credit: cirrus image



Sweet Gale
Photo Credit: pathology images inc

Examples of High Native Shrubs



Highbush Cranberry
Photo Credit: Canadian Wildlife
Federation

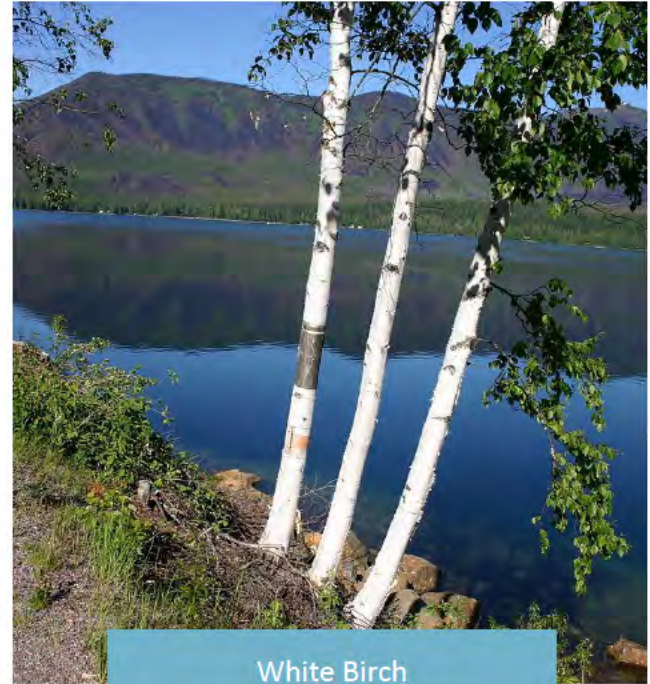


Grey Dogwood
Photo Credit: Pascoe's Plants

Examples of Native Trees



White Pine
Photo Credit: Canadian Tree Tours



White Birch
Photo Credit: Wikicommons

Plant Behind a Retaining Wall or Within Rip Rap

Help further secure the soil.



Planting behind a retaining wall

- Planting early on will help to hold the soil once the retaining wall begins to erode.



Plant Native Wildflowers

Attracts butterflies, hummingbirds, and bumblebees!



New England Aster
Source: forestryimages.org

UGA5021084

- Black-eyed Susan's
- Asters
- Wild Bergamot
- Butterfly Milkweed
- Wild Columbine

How Do I Naturalize My Shoreline?

Leave fallen logs

Allow downed or sloping trees to hang into the water

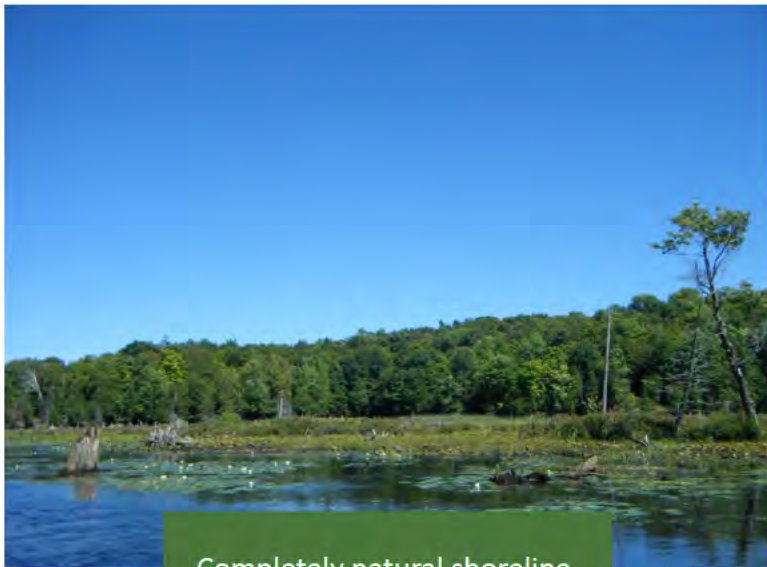


Fallen Log for Fish Habitat

- Logs laying from the shoreline into the water creates great fish habitat and allows wildlife, such as turtles, to easily move from land to water.

Leave Aquatic Vegetation in Place

Aquatic plants are great habitat!



Completely natural shoreline.

- Use a single pathway to get out to deeper swimming water.

Getting to the Lake





The Natural Edge Program



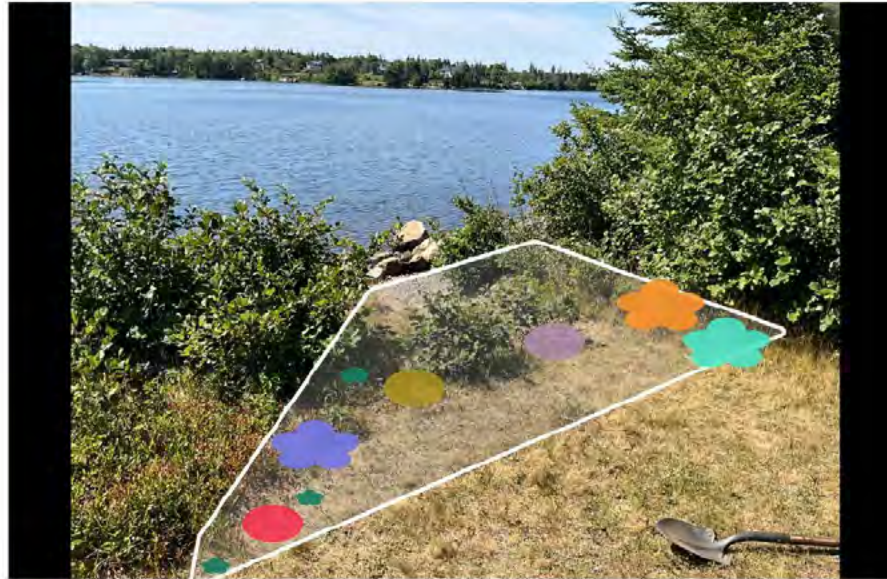
Example Planting Plan

Compartment B

Naturalization Area

Rocky smaller stock needed Shrubs on slope and wildflowers behind Spartina grasses

- PH: acidic
- DEPTH: bareroot, wildflowers
- MOISTURE: normal
- SOIL TYPE: sandy, clay
- PLANT HEIGHT: max 2m
- LIGHT CONDITIONS: full sun



 Spotted Joe-Pye Weed
1

 Canada Goldenrod
1

 Virginia rose
1

 Purple Coneflower
3

 Heart-Leaved Aster
1

 Highbush Cranberry
1

 Wild Red Raspberry
1

Example Planting Plan

Compartment F

Naturalization Area

Full shade

- PH: acidic
- DEPTH: bareroot, wildflowers
- MOISTURE: normal
- SOIL TYPE: sandy, loamy
- PLANT HEIGHT: any
- LIGHT CONDITIONS: shade

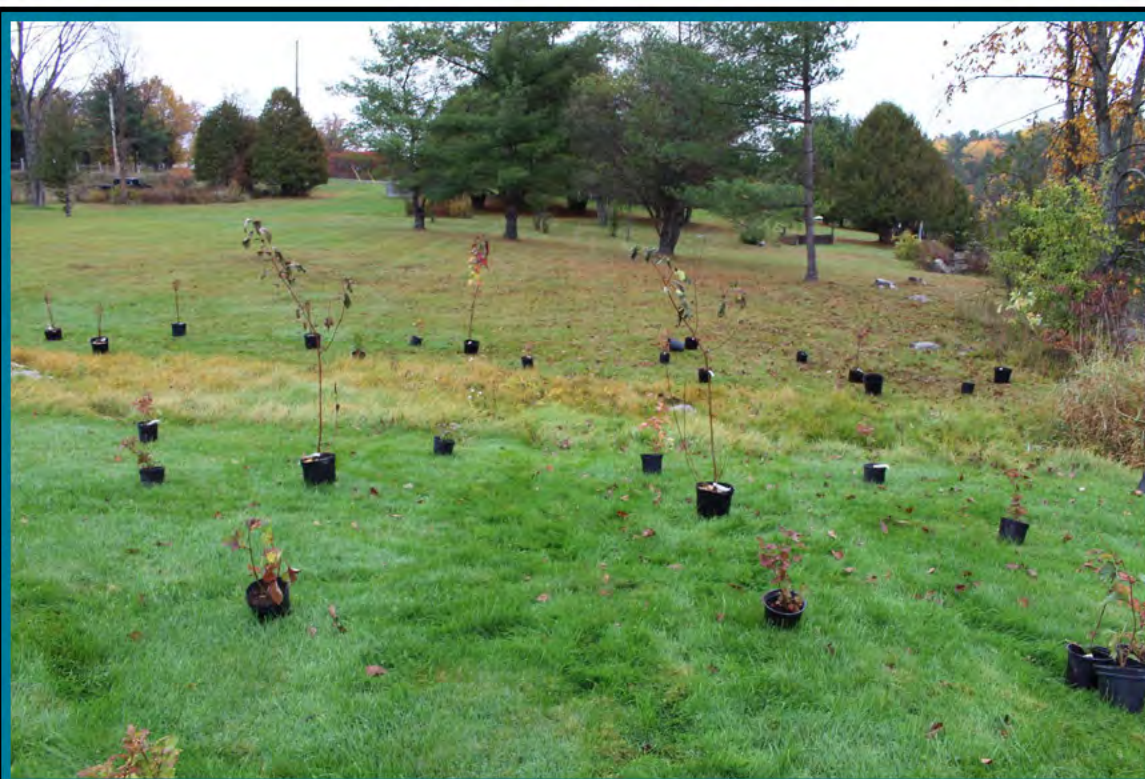


Highbush blueberry
1

Northern Bayberry
1

Alternate-Leaved Dogwood
1

Before



During



The
NATURAL
Edge Restoring the
Ribbon of Life

After



The
NATURAL
Edge Restoring the
Ribbon of Life

Examples of naturalized shorelines, less than 5 years after planting



Photo Credits: Kawartha Conservation

Examples of naturalized shorelines, less than 5 years after planting



Thank-you

The Natural Edge Shoreline Naturalization Program

2025

Sign up today for a *FREE* site visit

Contact info:

Watersheds Canada; naturaledge@watersheds.ca;

Love Your Lake; info@loveyourlake.ca

RAH2050 [REDACTED]

