

H. Byce

282 Cahill Line, Stoqua Creek

Planting plan created by Muskrat Watershed Council

Survey Date: 06/02/2019 • Planting Date: 10/26/2020





Schedule A:

Plants & Property

Land Characteristics

This planting plan is designed based on the land characteristics identified during the day of the site visit. Plants are chosen according to the soil and light conditions on your property. The number of plants chosen for each planting compartment takes into account the square metre area of the space, as well as the amount of current vegetation cover.

Your property is part of ecoZone: 4a

Land Characteristics by Compartment

	Length	Width	Area	pH	Soil	Moisture	Light	Height
A	517.87m	3m	1553.6m ²	normal				
	517.87m	3m	1553.6m ²					

Plant Selection Summary

The following shrubs and trees are chosen for their suitability and survivability given the current soil and light conditions in each compartment on your property, as well as preferable features.

Plant Species	A	Potted	Bareroot	Wildflower
Red Maple	250		250	
Red Osier Dogwood	1000		1000	
Bur Oak	250		250	
Chokecherry	500		500	
Subtotal	2000	0	2000	0
Totals	2000			

Plant Information

The following table summarizes key information about each plant selected for your property.



Red Maple

Height: 12-25m

The Red Maple is the most common and widespread deciduous tree of Eastern and Central North America. The trunk of this hardwood species is branch free from the base to about halfway up the trunk. When planted in an open area, the trunk can divide and branch out fairly close to the ground. As the tree matures, it develops a short, narrow crown consisting of horizontal and ascending branches. The leaves on the Red Maple grow opposite each other on the branches. During the summer, leaves are bright green on top with a whitish underside. During the fall, the leaves turn a bright red or scarlet colour, from which the name is derived. Prior to leaf development, tree flowers bloom in early May. Red Maple tree flowers are small and red to yellowish orange in colour, growing in clusters on a thin stalk. During June and July, tree flowers develop into reddish winged keys, which hold and disperse seeds. The Red Maple plays an important role in the lumber industry, as its wood is excellent for woodworking.



Red Osier Dogwood

Height: 1.5-4m

The Red Osier Dogwood is a medium-sized, deciduous shrub native throughout Northern and Western North America. This species is multi-stemmed with numerous erect and ascending bright red branches that create a loose and spreading form. Leaves produced are simple, two-toned with a dark green upper side and light green underside. They are arranged opposite each other along the branches. During the fall, the foliage turns a brilliant red to dark purple. Clusters of small, creamy white flowers form on the terminal ends of the branches between June and July. The Red Osier Dogwood produces blueish-white fruiting bodies during late summer, which may persist throughout the winter. This shrub's berries provide an important winter food source for numerous species, from large deer to small wintering birds.



Bur Oak

Height: 30 m

The Bur Oak is a member of the White Oak family and is the fastest growing Oak species. The Bur Oak is a large, deciduous tree often found growing to heights of 30 m at maturity. This tree features a full, broad spreading crown making it an excellent tree to plant for creating shaded areas. The leaves are simple, closely resembling the leaves of White Oak and are a shiny green colour throughout the spring and summer. Leaves change to a bright yellow-brown during the fall, prior to dropping. During the spring, tiny yellow-green flowers grow on catkins and mature into acorns in a single season, dropping in the fall. The Bur Oak is found in many forest, savanna, and prairie ecosystems with other hardwoods and conifers on a wide range of soils. This species is long-lived, with some trees living up to 300 years old. The root system of this tree is well-branched and deep, making it very drought resistant and an excellent species for land reclamation and restoration applications. Also, the Bur Oak's tolerance to pollution makes it a popular tree for planting in urban areas.



Chokecherry

Height: 6-9 m

The Chokecherry is a large deciduous shrub or small tree which grows between 6 and 9 m tall and is a member of the Rose family. It produces a twisted or crooked trunk as well as a narrow, oval to round crown composed of many slender branches. Leaves are alternately arranged, simple, have a deep green upper surface, and light matte green undersides with tufts of hair at the vein axils. During the fall, foliage turns a vibrant deep red to fire yellow or orange. Between May and June, small showy white flowers grow in cylindrical clusters on the terminal ends of branches. By mid-August, flowers turn into shiny deep red or black cherries, which hang in elongated clusters. The fruit is ripe by September and provides a food source for birds and small mammals. The Chokecherry is often found as pure stands forming thickets, or mixed with other early succession shrub and tree species. This fast-growing plant can quickly invade logged land, abandoned farms, and exposed shorelines. The fibrous and wide-spreading root system of this shrub make it an ideal plant for erosion control and bank stabilization. This species possesses the ability to withstand moderate flooding and drought.

Compartment A


Naturalization Area


⚖ PH: normal


🌱 DEPTH: bareroot



 Red Maple
250

 Red Osier Dogwood
100
0

 Bur Oak
250

 Chokecherry
500

Schedule B

Financial Summary

Project Partners: Watersheds Canada and Muskrat Watershed Council

The following section outlines the total cost of your project. It has been divided into 2 sections; 1- Plants and Material, 2- Services. It also includes the breakdown of the landowner contribution and the portion that will be paid by Watersheds Canada, as outlined in the Project Costs Total table.

The Natural Edge program has received generous funding to help support the costs of plants, materials, and project coordination and delivery, making this program possible.

Bareroot stock			
Item	Quantity	Cost/Item	Subtotal
Red Maple	250	\$2.25	\$562.50
Red Osier Dogwood	1000	\$2.25	\$2,250.00
Bur Oak	250	\$2.25	\$562.50
Chokecherry	500	\$2.25	\$1,125.00
Total Bareroot plant stock	2000		\$4,500.00

Tending materials

Item	Quantity	Cost/Item	Subtotal
Mulch	2000	\$1.00	\$2,000.00
Tree guards (deciduous only)	500	\$1.50	\$750.00
Total Tending materials			\$2,750.00

Totals

1-Plants and materials	
Bareroot plant stock	\$4,500.00
Wildflower plant stock	\$0.00
Tending materials	\$2,750.00
Plants & Materials	\$7,250.00

2-Services	Quantity	Cost/Item	Subtotal
Watersheds Canada's Site visit (<i>Site visit in-kind</i>)	1 on 06/02/2019	\$0.00	\$0.00
Plant stocking	2000	\$2.00	\$4,000.00
Mulching & tree guard installation	2000	\$1.50	\$3,000.00
Shipping & handling of materials			\$25.00
Planting plan			\$350.00
Project management and delivery			\$400.00
Administration fee			\$100.00
Services total			\$7,875.00
Total Project Costs			Subtotal
Total project value (including in kind contributions)			\$12,875.00
Total eligible costs (<i>excluding in kind contributions</i>)			\$15,125.00
Muskrat Watershed Council's contribution (<i>100% of eligible costs</i>)			\$15,125.00
Landowner contribution (<i>0% of eligible costs</i>)			\$0.00



Schedule C

Project Agreement

Stewardship Agreement

Please indicate your agreement to this proposed plan by signing the following Stewardship Agreement and submitting it, along with your financial contribution, to:

Watersheds Canada

115-40 Sunset Blvd. Perth, ON, K7H 2Y4

Plant Availability

Please note that plant species may need to be changed based on plant stock availability at the time of ordering.

Project Completion

Upon receiving your signed stewardship agreement and financial contribution, a date will be booked to complete the project. Watersheds Canada will supply all plants, materials, and planting labour. If there are particular dates that you would prefer, we will do our best to accommodate your requests.



The Natural Edge Stewardship Agreement with Watersheds Canada

Agreement made this Day of the Month of in the Year .

BETWEEN Hugh Byce , 282 Cahill Line, Ontario, (*Hereinafter called* AND **Watersheds Canada**, 115-40 Sunset Blvd, Perth, ON, K7H 2Y4 (*Hereinafter called* WC)
the OWNERS)

WHEREAS the Owners and WC have met and discussed plans for shoreline naturalization on the specified area(s) in Schedule A existing on the Owners' land;

WHEREAS the Owners indicate approval of the project as proposed; and

WHEREAS the project is, or will be for the benefit of the Owners and others;

1. This Agreement shall be in effect for a period of 5 years, commencing with the date of this Agreement.
2. The Owners and WC agree that the areas where the work is to be performed is as described in Schedule A.
3. The Owners grant WC, its contractors, employees and agents, the right to enter the property to perform the work agreed upon as outlined in Schedule A. In addition, WC, its contractors, employees and agents may inspect the work performed for the purposes of monitoring the project and survival assessment, with prior agreement with Owners for date and time of inspection.
4. The Owners agree to contribute the "Landowner contribution (0% of eligible costs)" and pay the costs indicated in Schedule B.
5. In instances where the Owners are to pay WC for work to be performed (outlined in Schedule A), the Owners agree to provide payments to WC prior to the commencement of that operation. Failure of payment shall constitute a breach of this Agreement and the Owners agree this Agreement will be terminated and thereupon the Owners agree to pay WC the estimated costs of the operations of the project completed, if any.
6. The Owners agree, if necessary, to perform a reasonable amount of maintenance, which is described in the Native Plant Care Guide, available at watersheds.ca.
7. If the contractor is required to perform the work outlined in Schedule A, then the contractor carrying out the work on the land described will be required to take out and furnish evidence of a comprehensive policy of public liability and property damage coverage. The contractor and their workers will be required to be in good standing with the Workplace Safety and Insurance Board prior to performing the work.
8. The Owners agree not to remove, destroy or alter the project without prior consultation and approval of WC. Pruning and trimming planted nursery stock, or adding replacement native nursery stock is exempt.
9. The Owners agree not to mow the planted area.
10. The Owners do acknowledge that WC, its contractors, employees and agents, having performed said works, are not under further obligation with respect to survival of nursery stock, inspection, or maintenance.
11. The Owners, in the absence of negligence, hereby remises, releases and forever discharges WC, its contractors, employees and agents from all claims and demands for injuries, including death, loss, damages and costs in any way related to or connected with installation and maintenance of the work described or resulting from any deleterious effects of the work to the land or to the lands and buildings thereon retained by the Owners.

IN WITNESS WHEREOF the parties have agreed to the contents of this plan; SIGNED:

Watersheds Canada

Representative Signature:

Hugh Byce

Owner Signature:



About this program

This project is created as a co-partnership between
Watersheds Canada and Muskrat Watershed Council

About Muskrat Watershed Council

We are a volunteer, community-based, not-for-profit organization with the goal of improving water quality in the Muskrat Lake Watershed by using scientific and local based knowledge. We seek to engage and empower people and communities by promoting best management practices in an effort to identify and reduce nutrient loading from all sources in the Watershed. Through these objectives, we hope to foster economic, societal and environmental sustainability.

This program was created by Watersheds Canada

We believe that every person has the right to access clean and healthy lakes and rivers in Canada. At Watersheds Canada, we work to keep these precious places naturally clean and healthy for people and wildlife to continue using for years to come. We love working with others to meet the needs of local communities, whether you're a concerned citizen, a landowner, a lake association looking for help, or a coalition of groups interested in activating your local community.