



The Russell-Slater Property

1019 Silver Birch Lane, Lake Of Bays

Planting plan created by The District Municipality of Muskoka

Survey Date: 03/16/2026



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: 5b**

Land Characteristics by Compartment

	Length	Width	Area	pH	Soil	Moisture	Light	Height
A	8m	2.8m	22.4m ²	acidic	sandy, loamy	normal	full sun	any
B	11m	2.5m	27.5m ²	acidic	sandy, loamy	normal	full sun	any
C	10.2m	3m	30.6m ²	acidic	sandy, loamy	normal	full sun, partial sun	any
D	11m	3m	33m ²	acidic	sandy, loamy	normal	full sun, partial sun	any
E	10m	14.5m	145m ²	acidic	sandy, loamy	normal	full sun, partial sun	any
F	11m	14m	154m ²	acidic	sandy, loamy	normal	full sun, partial sun	any
	61.2m	6.63m	412.5m 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	B	C	D	E	F	Potted	Bareroot	Wildflower
Red Osier Dogwood	1	1	4	5	5	6	22		
Narrow Leaved Meadowsweet	7		3				10		
Smooth Wild Rose	6						6		
Bush Honeysuckle	3	3	6	5	6	9	32		
Christmas Fern	3	3				3	9		
Ostrich Fern	1		3	1		3	8		
Lowbush Blueberry	6						6		
Common Juniper	1						1		
Smooth Arrowwood	1			1			2		
Steeplebush		3					3		
Nannyberry		1		2	3	1	7		
Shrubby Cinquefoil		3		3		6	12		
Blue Vervain		6							6
Oswego Tea (Red Bergamot)		6							6
Black-Eyed Susan		6							6
Wild Bergamot		3							3
Red Maple			1				1		
Alternate-Leaved Dogwood			1	1	1	1	4		
Canadian Serviceberry			2		1	2	5		

Fragrant Sumac			3		6			9	
Butterfly Milkweed			6						6
New England Aster			6						6
Sweet Oxeye			6						6
Showy Mountain-Ash				1				1	
Bracken Fern			6		6			12	
White Pine			1					1	
Common Polypody			3					3	
Purple Coneflower			7						7
Ninebark					1	1		2	
Chokecherry					1			1	
Canada Yew					3			3	
Bearberry					9	15		24	
White Spruce					1			1	
Black Walnut						1		1	
Subtotal	29	35	41	36	43	48	186	0	46
Totals	232								

Plant Information

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



Red Osier Dogwood

Height: 1.5-4m

The Red Osier Dogwood is a medium-sized, deciduous shrub native throughout Northern and Western North America which typically grows to 1.5-4m. 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.



Narrow Leaved Meadowsweet

Height: 1-2m

The Narrow Leaved Meadowsweet is an erect, deciduous shrub, which grows in the shape of a mound to a height of 1-2m. This species develops numerous branches and branchlets, giving it a sparse appearance. Leaves produced are simple and narrow with sharply toothed borders growing alternately along the branches. These bright, light green leaves appear crowded, as they grow close together on the stocks and branches. During the fall, leaves turn a yellow-red or yellow-orange colour. Small white to light pink flower clusters appear in the spring growing in a dense, narrow pyramid at the terminal ends of the branches. During late summer to early fall, these flowers produce smooth, papery seed pods.



Smooth Wild Rose

Height: 1.5m

The Smooth Wild Rose is a shrub species that grows about 1.5 m tall. The name is derived from the fact that it is almost thornless with only a few sharp thorns present near its base. This native shrub is best known for producing beautiful pale pink flowers with five saucer-like petals surrounding a yellow center. The Smooth Wild Rose produces bright red rose hip fruiting bodies which develop during the summer and persist throughout the winter. Leaves produced are alternate and compound, consisting of 5-7 serrated, egg-shaped leaflets.



Bush Honeysuckle

Height: 1m

The Bush Honeysuckle is a small, hardy, deciduous shrub that rarely grows taller than 1 m in height. The leaves are simple, oppositely arranged, ovate shaped, and have finely toothed margins. During the spring and summer, the leaves are dark green in colour, then in the fall they take on a variety of colours ranging from a deep purple to light yellow. The flowers are small, showy, yellow to orange colored, trumpet shaped, appear in clusters on the tips of branches, and bloom between June and July. The flowers are beneficial to pollinator species, including hummingbirds and butterflies. The roots of the Bush Honeysuckle are fibrous, giving it the ability to form thickets and making it an ideal shrub to plant for erosion control.



Christmas Fern

Height: 0.5 m

The Christmas Fern is a hardy evergreen fern which can withstand a variety of environmental conditions. It is one of the most common ferns within North America. This species produces robust, leathery, lace-like leaves which grow in a fountain like clump and persist throughout the winter. Silvery and scaled fiddleheads emerge early in the spring. This fern rarely exceeds heights of half a meter and is a popular fern species to utilize in landscaping due to its year-round colour. This fern is often planted for restoration applications due to its ability to conserve soil and control erosion.



Ostrich Fern

Height: 1.5 m

The Ostrich Fern is a coarse, erect to arching perennial fern, that can grow up to 1.5 m in height. The stems are clustered and arching while the leaves are ostrich-plume shaped, widest near top, and very gradually narrowed to the base. The size of the leaves grow up to 1.5 m long and 12-40 cm wide, with around 40 pairs of leaflets or pinnae. The leaflets are long, narrow-pointed, and ascending. The leaves are fertile, with spore clusters on the undersides of sub-leaflets.



Lowbush Blueberry

Height: 60 cm

The Lowbush Blueberry is a low growing, deciduous shrub that only reaches about 60 cm in height. This species grows erect, with many spreading and ascending branches. New branch growth is soft and green-brown in colour, while older branches are woody and have shredded looking bark. The leaves are small, simple leaves alternately arranged, and have finely serrated margins. During the fall, this shrub's lustrous blue-green leaves turn into an electrifying bronze, scarlet or crimson colour. Clusters of small, white, bell-shaped flowers bloom between May and June. By July, the flowers give way to clusters of edible blueberries. These berries provide a significant food source for a variety of bird and mammal species.



Common Juniper

Height: 1 m

The Common Juniper is a small, low spreading coniferous shrub with stiff branches which typically grows 1m in height. This species can occasionally grow upright in favorable conditions. The Common Juniper is found across North America as well as Greenland, Europe, Siberia, and Asia. This species grows green needles with sharp tips found in whorls of 3 on branches. The seed cones of this plant resemble berries and grow along mature branches. The seed cones of Common Juniper begin green and take eighteen months to ripen, turning a dark purple or black colour and developing a blue wax coating.



Smooth Arrowwood

Height: 1-5 m

The Smooth Arrowwood is a medium sized, deciduous shrub that grows from 1-5 m tall. The leaves are simple, oppositely arranged, and have coarsely toothed margins. In the spring and summer, the leaves have a dark green and glossy color. Fall colors can vary between yellow, red, or reddish purple and change in the late autumn. The flowers are showy, creamy white colored, appear in small, flat clusters, and bloom from late May to June. Berries are small, dark blue to black in color, and develop from August to November. This shrub also has gray bark and slender stems. Smooth Arrowwood is an attractive species and an excellent food source for many bird species. It is easy to transport, plant, and grow so could be used for mass planting. The shrub can be propagated from seeds or cuttings for expanding in the area or for future use at different sites. Growing Smooth Arrowwood is low maintenance but occasional pruning may be beneficial for shaping.



Steeplebush

Height: 1 m

The Steeplebush is a deciduous shrub species that typically grows about 1 m in height. This plant may also be known by the common names: Rose Spiraea or Hardhack. The leaves are dark green, about 7 cm long, elliptic to ovate shaped, have toothed margins, and have dense yellowish brown hairs on the undersides. The flowers are tiny, rose pink to purplish coloured, bloom in late summer, and appear on tall, dense, steeple shaped clusters. This plant is useful for controlling erosion and stabilizing shorelines. The flowers are also beneficial for pollinator species, like bees and butterflies.



Nannyberry

Height: 3 m

Nannyberry is a large deciduous shrub species that typically grows about 3 m in height. The leaves are dark green, ovate shaped, oppositely arranged, have a pointed tip, and have finely toothed margins. The flowers are showy, white colored, appear in flat topped clusters, and bloom in May. These flowers produce blueish black berries, which are edible to humans and persist throughout the winter. The flowers are beneficial to pollinator species, like bees and butterflies. The fruit is beneficial to wildlife species, including birds and small mammals. This shrub has attractive fall foliage. The root system is extensive, making this plant valuable for controlling erosion and stabilizing loose soil. This shrub can be pruned to have a single stem and grown as a small tree instead of a shrub.



Shrubby Cinquefoil

Height: 1 m

Shrubby Cinquefoil is a hardy, deciduous shrub species that grows about 1 m in height. The stems are reddish brown to gray and appear shredded with age. The leaves are green to blueish green, narrow and elliptic shaped, hairy, alternately arranged, compound with 5 leaflets, and have entire margins. The flowers are showy, yellow, saucer shaped, have five petals, appear in small clusters on terminal branches, and bloom between June and September. In the fall, the flowers give way to an oval-shaped, brown fruit covered in white hairs. The flowers are beneficial to pollinator species, like bees and butterflies. This is a popular shrub for ornamental use in gardens.



Blue Vervain

Height: 1.5 m

Blue Vervain is a perennial wildflower species that grows about 1.5 m in height. It has a slender, upright form with reddish-green coloured, rough-haired stems. Its leaves are oppositely arranged, lance-shaped, and on short petioles with large serrations along the edge. Occasionally, there are two lobes present at the base of the leaves. The flowers are showy, blueish purple coloured, have five petals, appear on dense spikes at the top of flowering stems, and bloom between July and September. The flowers bloom first at the bottom of the spike, travelling upwards and blooming in bands. This plant spreads well and can form small colonies. The flowers are beneficial to pollinator species, like bees and butterflies. The seeds are also beneficial to wildlife species, like birds and small mammals.



Oswego Tea (Red Bergamot)

Height: 50 cm

Oswego Tea is a showy perennial wildflower species that typically grows about 50 cm in height. This plant may also be known by the common names Red Bergamot or Scarlet Beebalm. The leaves are dark green, oval shaped, have a minty fragrance. The unique flowers are bright red and grow in dense rounded clusters, with individual tubular flowers that bloom between May and October. The beautiful flowers of Oswego Tea attract various pollinator species like hummingbirds, butterflies, and bees. The Oswego Tea plant is susceptible to a common fungal disease, called powdery mildew, when planted in dry soils. Historically, the leaves of the plant have been used for antiseptic purposes, as well as poultices to heal minor wounds and skin infections.



Black-Eyed Susan

Height: 1 m

Black-Eyed Susan is a popular biennial or a short-lived perennial wildflower species that typically grows about 1 m in height. Its leaves are green, alternately arranged, lance shaped, and covered with bristly hairs giving the leaf a grey/green colour. The flowers are daisy-like, have 8-20 yellow ray florets surrounding numerous dark brown disk florets, and blooms between June and September. The flowers are beneficial to pollinator species, like bees and butterflies. The seeds are also beneficial to wildlife species, like birds and small mammals. This flower blooms for long periods.



Wild Bergamot

Height: 1 m

Wild Bergamot is a perennial wildflower species that is member of the mint family and can grow about 1 m tall. Its stems are light green and smooth with abundant branching on the upper half. The leaves are oppositely arranged, broadly lanceolate shaped, 6-10 cm long, and have toothed edges. The also leaves emit a aromatic minty/oregano scent when crushed. The flowers are showy, pink/lavender coloured, appear on the ends of flowering stems, and bloom between July and September. The flowers bloom in the center of the head first, moving outwards creating a wreath. The flowers are beneficial to pollinator species, like bees and butterflies. This wildflower spreads well and can be used to naturalize un-vegetated areas. The roots can be useful for controlling erosion and stabilizing shorelines.



Red Maple

Height: 12-25m

The Red Maple is the most common and widespread deciduous tree of Eastern and Central North America. This species can grow 12-25m at maturity. 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.



Alternate-Leaved Dogwood

Height: 5-10 m

The Alternate-Leaved Dogwood is a tall, deciduous shrub or small tree species that can grow 5-10 m in height. This plant may also be known by the common name Pagoda Dogwood. It can be grown either in the form of a single stem tree or multi-stemmed shrub comprised of two or three smaller trunks. The leaves are ovate shaped, alternately arranged, have prominent veins, have a pointed tip, and have entire margins. The flowers are showy, fragrant, whitish yellow, appear in flat clusters, and bloom between May and June. These flowers produce clusters of dark blue berries. The flowers are beneficial for pollinator species while the berries are beneficial for wildlife species. The root system is valuable for controlling erosion and stabilizing loose soil. This plant is often used as a small ornamental tree in landscaping. The common name comes from the fact that all other Dogwood species have oppositely arranged leaves.



Canadian Serviceberry

Height: 3-5 m

The Canadian Serviceberry is a multi-stemmed shrub or small tree which grows from 3-5 m in a dense round form. This plant may also be known by the common names: Juneberry, Shadblow, or Shadbush. Early in the spring, prior to leaf development, clusters of fragrant, showy white flowers bloom along the branches. By July, these flowers give way to the fruiting bodies. The fruits are initially small, green berries, which grow to the size of blueberries and turn a deep purple-blue upon maturation during the fall. Leaves produced are finely toothed and spear-shaped. Throughout the summer, leaves are dark green and turn a dramatic orange-red during the fall.



Fragrant Sumac

Height: 1-2m

The Fragrant Sumac is a medium-sized deciduous shrub within the Cashew family. This species grows between 1-2 meters in height, is multi-stemmed, and produces a round, dense crown composed of erect and spreading branches. Between March and April, small yellow flower clusters bloom on the terminal ends of the branches prior to leaf development. Fruit development begins during late summer. Small, red, hairy berries are produced and can remain on the plant throughout the winter. Male catkins develop on the plant in September. Fragrant Sumac leaves are simple and arranged alternately along the branch. Leaves produced are simple and trifoliate with a large center lobe, appearing similar to Poison Ivy. During the spring and summer, the leaves are light green to green-yellow in colour turning a bright yellow to red or dark purple in autumn. Crushed leaves and stems of the Fragrant Sumac produce a fragrant citrus aroma, hence the common name. The aroma of this shrub is attractive to butterfly species, making it the perfect addition to any butterfly garden. The roots of the Fragrant Sumac are shallow, fibrous, and spread rapidly, making it an ideal choice for stabilizing shorelines and mitigating erosion on steep slopes. Unlike other Sumac species, Fragrant Sumac is significantly less aggressive and easily maintained.



Butterfly Milkweed

Height: 0.5 m

Butterfly Milkweed is a very attractive perennial wildflower that typically grows about 0.5 m tall. This plant may also be known by the common name Showy Milkweed. The leaves are green coloured, alternately arranged, narrow and lance-shaped, and have entire margins. The flowers are showy, fragrant, bright orange coloured, have five tiny petals, appear in clusters of 8-25, and bloom between June and August. Butterfly Milkweed is easy to grow and is low maintenance. This wildflower spreads well and can be used to naturalize un-vegetated areas. The roots can be useful for controlling erosion and stabilizing shorelines. The flowers are beneficial to pollinator species, like bees and butterflies. It is also a larval host for caterpillars of the endangered Monarch Butterfly, thus planting this species where possible can help protect this at risk species.



New England Aster

Height: 2m

New England Aster is a showy perennial wildflower with an average height of about 120 cm but can grow up to 2 m tall. It has a central stem with branching in the upper half covered in fine white hairs. Its leaves clasp these stems as they have no petioles. The basal leaves are spatula-shaped, while the stem leaves are alternate and lance-shaped. The leaves are also covered in soft white hairs. Its showy flowers are clustered at the ends of the central stem and surrounding branches. Each flower is composed of 30+ deep purple ray florets surrounding numerous golden disk florets. These plants excel in moist soils with lots of sun. It is often found along lake shorelines, forest edges, in wet meadows, or in marshes/swamps. New England Aster reproduces and spreads using both achenes, which are dispersed by wind and a rhizomatous root system, allowing this plant to colonize open areas. It is also known to easily colonize recently disturbed areas so could be considered for difficult sites that are hard to grow on. This wildflower species attracts lots of pollinators such as bees and butterflies but rarely attracts wildlife, such as wild turkey, deer, and rabbit.



Sweet Oxeye

Height: 2m

Sweet Oxeye, also known as False Sunflower, is an attractive, herbaceous, perennial wildflower, which can grow to almost 2 m tall. The flowers are perched atop a stiff stem, with a brownish-yellow center cone surrounded by bright yellow to orange rays. Leaves are 5-12 cm long and 2-8 cm wide, oppositely arranged along the stem, ovate to lanceolate in shape, and have a toothed margin. This wildflower grows best in moist, well-drained soils, preferring full sun, but will tolerate partial shade. Some common natural habitats for the Sweet Oxeye are prairies, meadows, forest edges, and stream banks. Sweet Oxeye is drought tolerant so could be planted in difficult dry sites, but will grow best with regular watering. A large variety of insect species are attracted to the Sweet Oxeye, making it a great addition to a habitat garden.



Showy Mountain-Ash

Height: 15m

The Showy Mountain Ash is a fast growing, deciduous tree which is often planted as an ornamental due to its colourful flowers and berries. This species grows from a straight, narrow, branchless trunk that gives way to a narrow crown, reaching a height of 15m. The bark can be greyish-green or golden-brown and turns scaly with age. As the tree ages, the crown spreads and opens to a more rounded form. Leaves produced are compound with 13-17 leaflets arranged alternately along the branches. Leaves are a vibrant light green and the narrowly elliptical leaflets have tapered tips and fine teeth from tip to middle. During the fall, the foliage turns bright yellow to red. Early in the spring, showy, white flowers bloom in clusters on the terminal ends of branches. They produce large clusters of red berries that remain on the tree throughout the winter. These berries provide an important winter food source for overwintering birds and mammals.



Bracken Fern

Height: 1 m

The Bracken Fern is a large, hardy fern species that can grow up to 1 m in height. The leaves are large, triangular fronds, which are pinnately divided 2-3 times and have spores along the edge of leaves. The leaves emerge as fiddleheads between March and May. The fiddleheads can be edible for humans but may contain toxic, carcinogenic properties so should be carefully researched and prepared before consumption. This plant can grow aggressively and should be planted with lot's of space. Fossils of Bracken Fern have been found that are over 55 million years old.



White Pine

Height: 30m

The White Pine is Ontario's provincial tree. This species is the largest northeastern conifer with soft and light needles, which typically grows 30m in height. The needles are bundled into groups of 5 and are spirally spread around the twigs. White Pine bark is smooth and grey-green when young, becoming dark grey and deeply furrowed upon maturation. This tree produces yellow-green seed cones which are long, cylindrical, and covered in 50-80 scales. Unfortunately, this species is susceptible to White Pine Blister Rust and attacks by the White Pine Weevil. White Pine is a hardy tree which can tolerate a wide range of soil conditions, from sphagnum bogs to dry sandy and rocky ridges.



Common Polypody

Height: 30 cm

The Common Polypody is a small, evergreen fern species that typically grows less than 30 cm in height. This plant may also be known by the common names Rock Polypody or Rock Cap Fern. The leaves are erect, leathery, yellow green to dark green colored, and pinnately compound with 8-20 deep lobes.



Purple Coneflower

Height: 1m

Purple Coneflower is a perennial wildflower that typically grows about 1 m tall. This plant may also be known by the common name Echinacea. The leaves are dark green coloured, alternately arranged, lance shaped with pointed tips, and have serrated margins. The flowers are showy, pale purple to pink, have 15-20 toothed petals, appear atop erect stems, and bloom between June and August. This wildflower spreads well and can be used to naturalize un-vegetated areas. The roots can be useful for controlling erosion and stabilizing shorelines. This flower blooms for long periods. The flowers are beneficial to pollinator species, like bees and butterflies. The seeds are also beneficial to wildlife species, like birds and small mammals.



Ninebark

Height: 2-3m

The Common Ninebark is a very hardy, large (2-3m in height), deciduous shrub naturally occurring within riparian zones. This species is often planted as an ornamental shrub for its exfoliating bark which reveals reddish-light brown inner bark. This shrub is multi-stemmed with numerous horizontal and ascending branches creating a full, round shape. The Common Ninebark produces dull green, ovate to round shaped leaves with three to five lobes per leaf. During the fall the leaves turn brilliant yellow or dark purple. Between May and June, showy, bell-shaped flowers bloom in clusters on the terminal ends of the branches. During the summer, these flowers give way to small green or green-yellow berries which turn a bright red upon ripening.



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.



Canada Yew

Height: 2m

The Canada Yew, also referred to as the American Yew or Ground Hemlock, is a small coniferous shrub which grows as an understory shrub from Ontario to Newfoundland. Preferring moist, loamy soils, this species is found along shorelines, riparian zones, marshes, and swamps. Rarely reaching heights of 2.5 meters, this species produces sprawling, staggering branches sprouting from a multi-stemmed base. Leaves produced are flat, dark green needles, arranged in two flat rows on either side of the branch. Over the winter and spring, this shrub develops a scaly seed cone with each cone housing one seed. By late summer to early fall, the cones develop into a red berry. This shrub provides shelter and food for many different bird species. Though poisonous to humans when ingested, the Canada Yew is harvested for its toxins and used in cancer research.



Bearberry

Height: 20 cm

Bearberry is a low growing, evergreen shrub/ground cover species that grows about 20 cm tall. The leaves are dark green, leathery, shiny, ovate shaped, alternately arranged, and have entire margins. The flowers are tiny, urn shaped, white to pink colored, appear in drooping clusters, and bloom between April and May. Flowers are followed by bright red berries, which remain throughout the fall and winter. These berries are beneficial to wildlife species like birds and small mammals.



White Spruce

Height: 20m

The White Spruce is a hardy, coniferous tree species that grows up to 20 m in height. This species has a relatively uniform form with bark that is loose, scaly, and grayish brown. The needles are about 2 cm long and blueish green in color. The cones are 5-7 cm long, cigar-shaped, and have smooth margin scales. The bark of White Spruce is smooth and light grey when young, turning dark grey and scaly upon maturation. This tree is important for providing food and shelter to wildlife species including deer, porcupines, birds, and small rodents. White spruce is a long lived tree species, and usually lives 250-350 years old. However, individuals have been seen that have lived up to 1000 years old.



Black Walnut

Height: 25-38m

The Black Walnut is a large deciduous tree species, reaching heights of 25-38m. It has a low, wide-spreading round crown composed of stout branches on a short trunk. This species produces a deep root system supported by lateral spreading secondary roots. It is an excellent tree for shoreline rehabilitation and erosion control. The chemical compound juglone is secreted from its roots and decaying leaves, which prevents many other plant species from establishing within the spread of its root system. The Black Walnut is naturally found along riparian zones of lakes and rivers within Southern Ontario. This species produces compound leaves which turn yellowish-green during autumn. Tiny, green, walnut-like flowers appear during the spring, turning into walnuts during the summer. Then in the fall, the walnuts ripen and drop. The Black Walnut is valued for its woodworking potential due to its attractive grain and pliability.

Compartment A

Naturalization Area

- ⚖️ PH: acidic
- 🌿 DEPTH: potted
- 💧 MOISTURE: normal
- 🌱 SOIL TYPE: sandy, loamy
- 📏 PLANT HEIGHT: any
- ☀️ LIGHT CONDITIONS: full sun



 Red Osier Dogwood
1

 Narrow Leaved Meadowsweet
7

 Smooth Wild Rose
6

 Bush Honeysuckle
3

 Christmas Fern
3

 Ostrich Fern
1



 Lowbush Blueberry
6

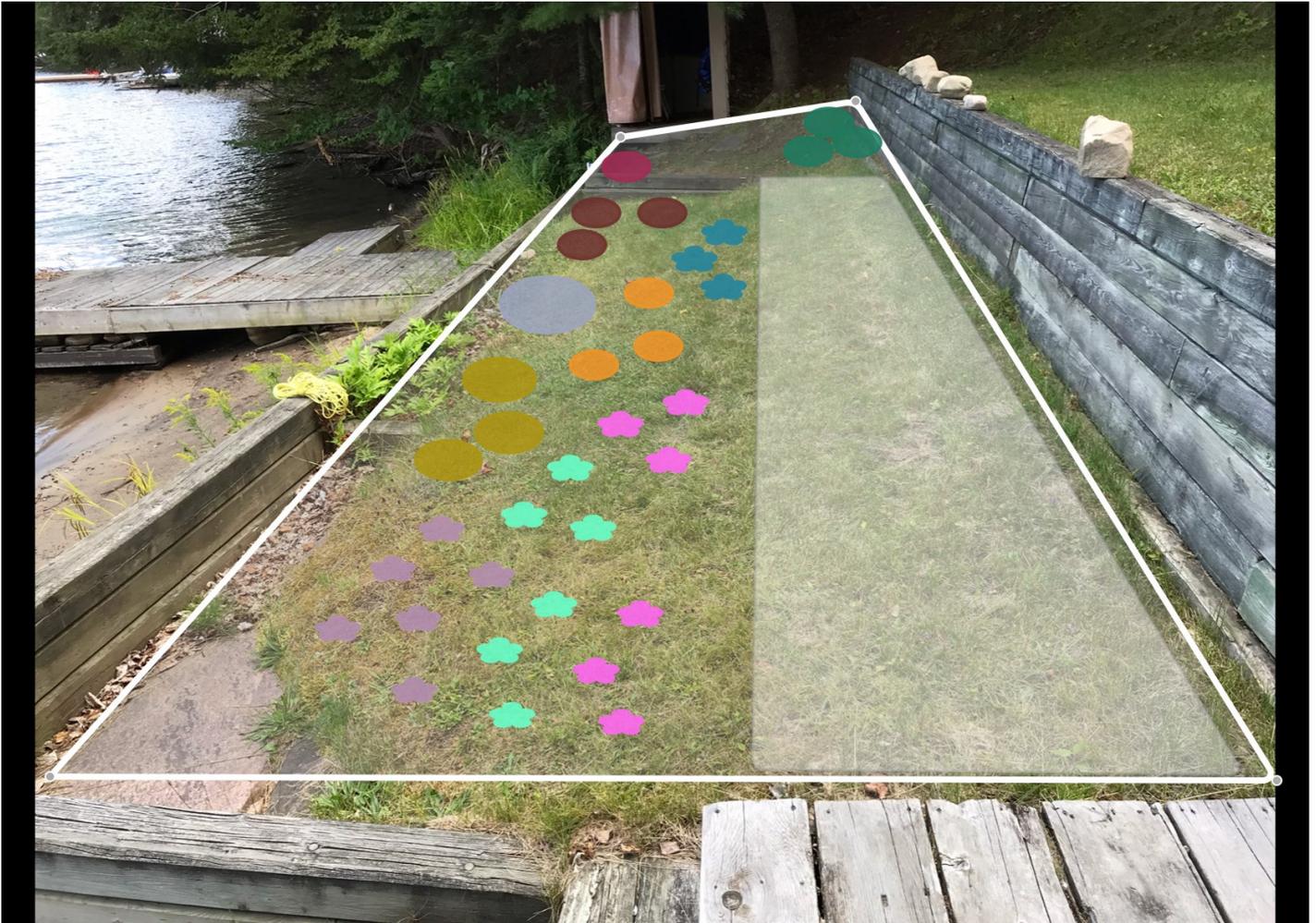
 Common Juniper
1

 Smooth Arrowwood
1

Compartment B

Naturalization Area

- ⚖️ PH: acidic
- 🌿 DEPTH: potted
- 💧 MOISTURE: normal
- 🌱 SOIL TYPE: sandy, loamy
- 📏 PLANT HEIGHT: any
- ☀️ LIGHT CONDITIONS: full sun



● Red Osier Dogwood
1

● Bush Honeysuckle
3

● Christmas Fern
3

● Steeplebush
3

● Nannyberry
1

● Shrubby Cinquefoil
3



Blue Vervain

6



Oswego Tea (Red Bergamot)

6



Black-Eyed Susan

6



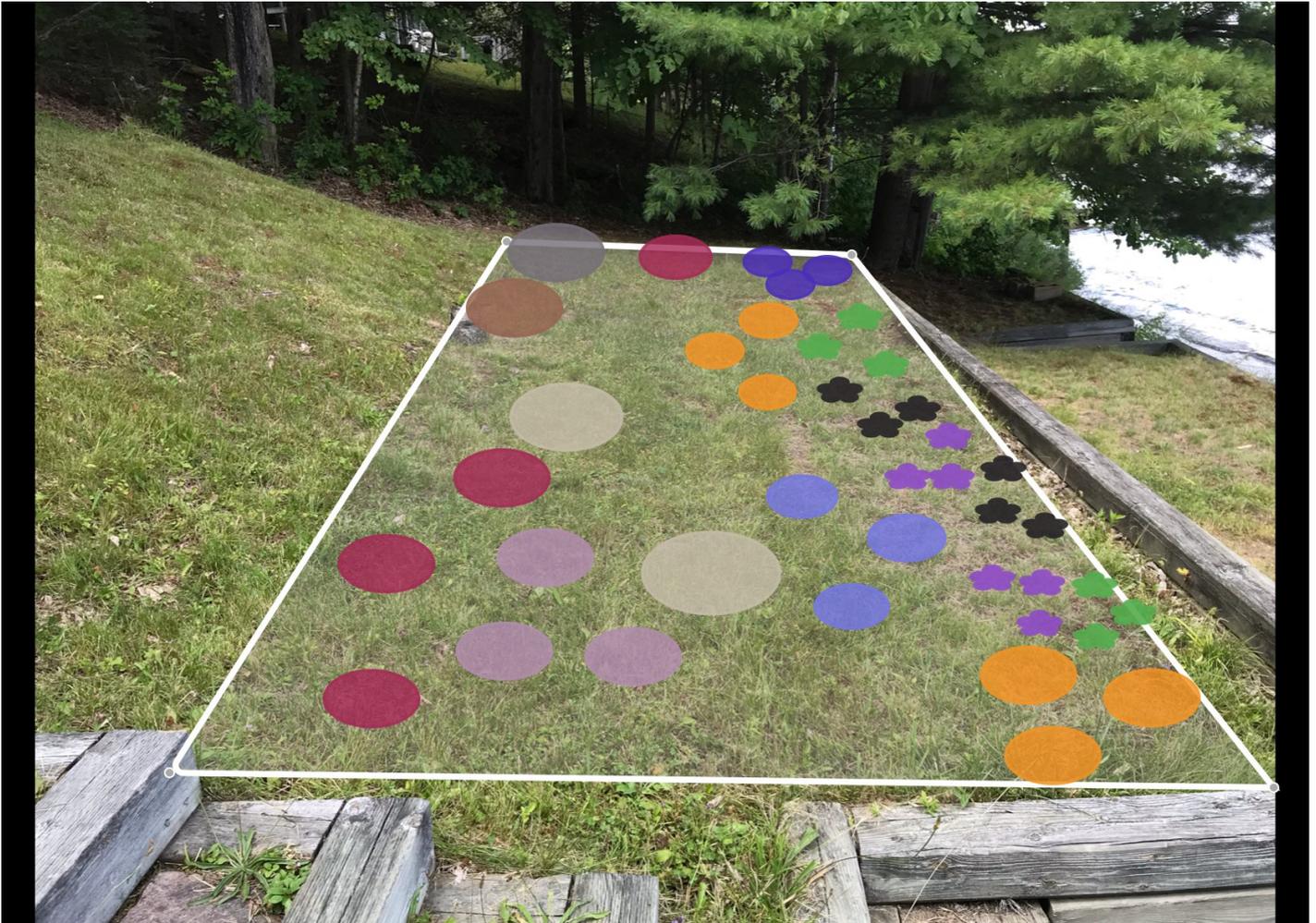
Wild Bergamot

3

Compartment C

Naturalization Area

- ⚖ PH: acidic
- 🌿 DEPTH: potted
- 💧 MOISTURE: normal
- 🌱 SOIL TYPE: sandy, loamy
- 📏 PLANT HEIGHT: any
- ☀️ LIGHT CONDITIONS: full sun, partial sun



- Red Osier Dogwood
4
- Bush Honeysuckle
6
- Red Maple
1

- Narrow Leaved Meadowsweet
3
- Ostrich Fern
3
- Alternate-Leaved Dogwood
1



Canadian Serviceberry

2



Fragrant Sumac

3



Butterfly Milkweed

6



New England Aster

6



Sweet Oxeye

6

Compartment D

Naturalization Area

- ⚖️ PH: acidic
- 🌿 DEPTH: potted
- 💧 MOISTURE: normal
- 🌱 SOIL TYPE: sandy, loamy
- 📏 PLANT HEIGHT: any
- ☀️ LIGHT CONDITIONS: full sun, partial sun



● Red Osier Dogwood
5

● Ostrich Fern
1

● Nannyberry
2

● Bush Honeysuckle
5

● Smooth Arrowwood
1

● Shrubby Cinquefoil
3



Alternate-Leaved Dogwood

1



Showy Mountain-Ash

1



Bracken Fern

6



White Pine

1



Common Polypody

3



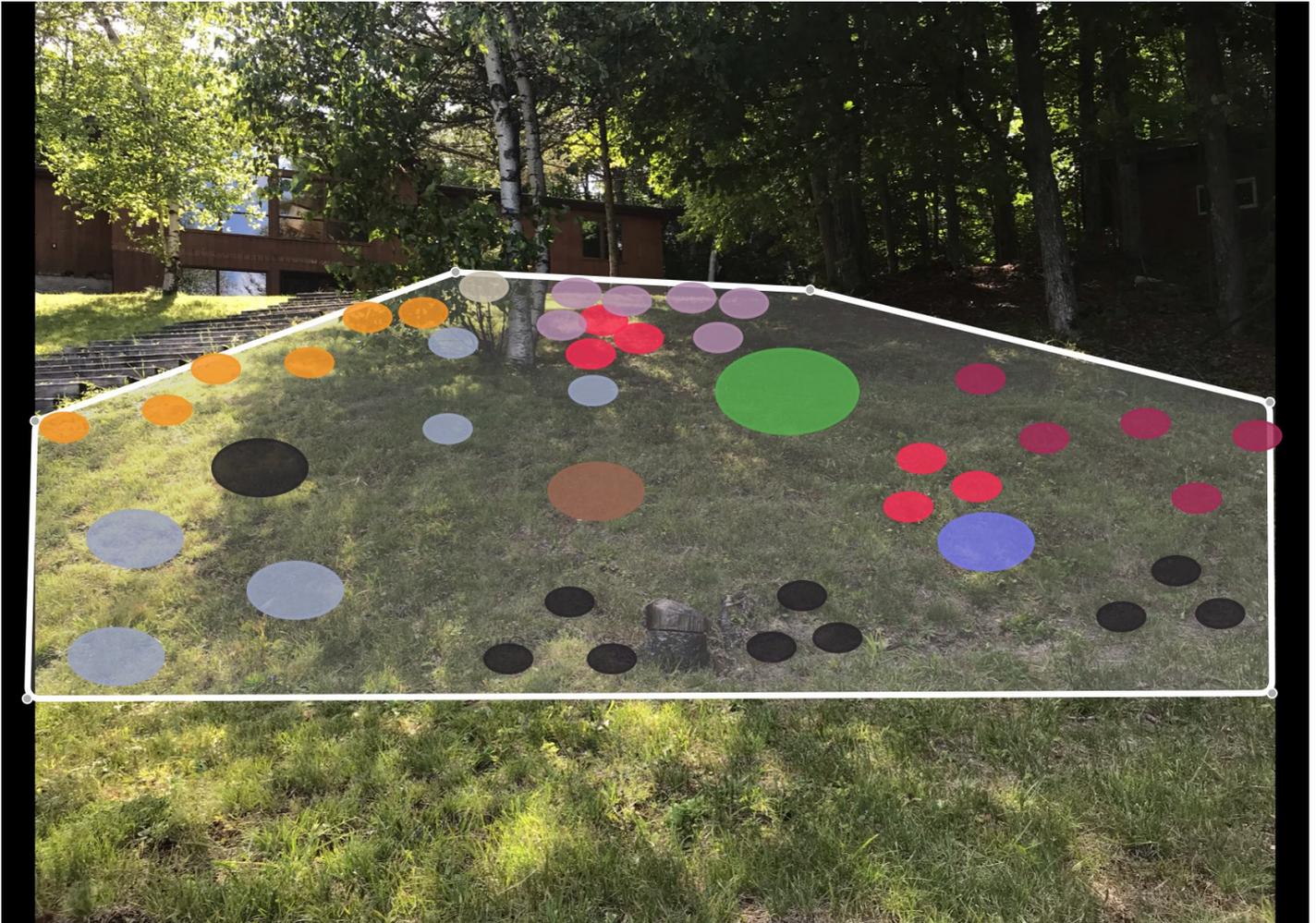
Purple Coneflower

7

Compartment E

Naturalization Area

- ⚖️ PH: acidic
- 🌱 DEPTH: potted
- 💧 MOISTURE: normal
- 🌱 SOIL TYPE: sandy, loamy
- 📏 PLANT HEIGHT: any
- ☀️ LIGHT CONDITIONS: full sun, partial sun



● Red Osier Dogwood
5

● Bush Honeysuckle
6

● Nannyberry
3

● Alternate-Leaved Dogwood
1

● Canadian Serviceberry
1

● Fragrant Sumac
6



 Bracken Fern
6

 Chokecherry
1

 Bearberry
9

 Ninebark
1

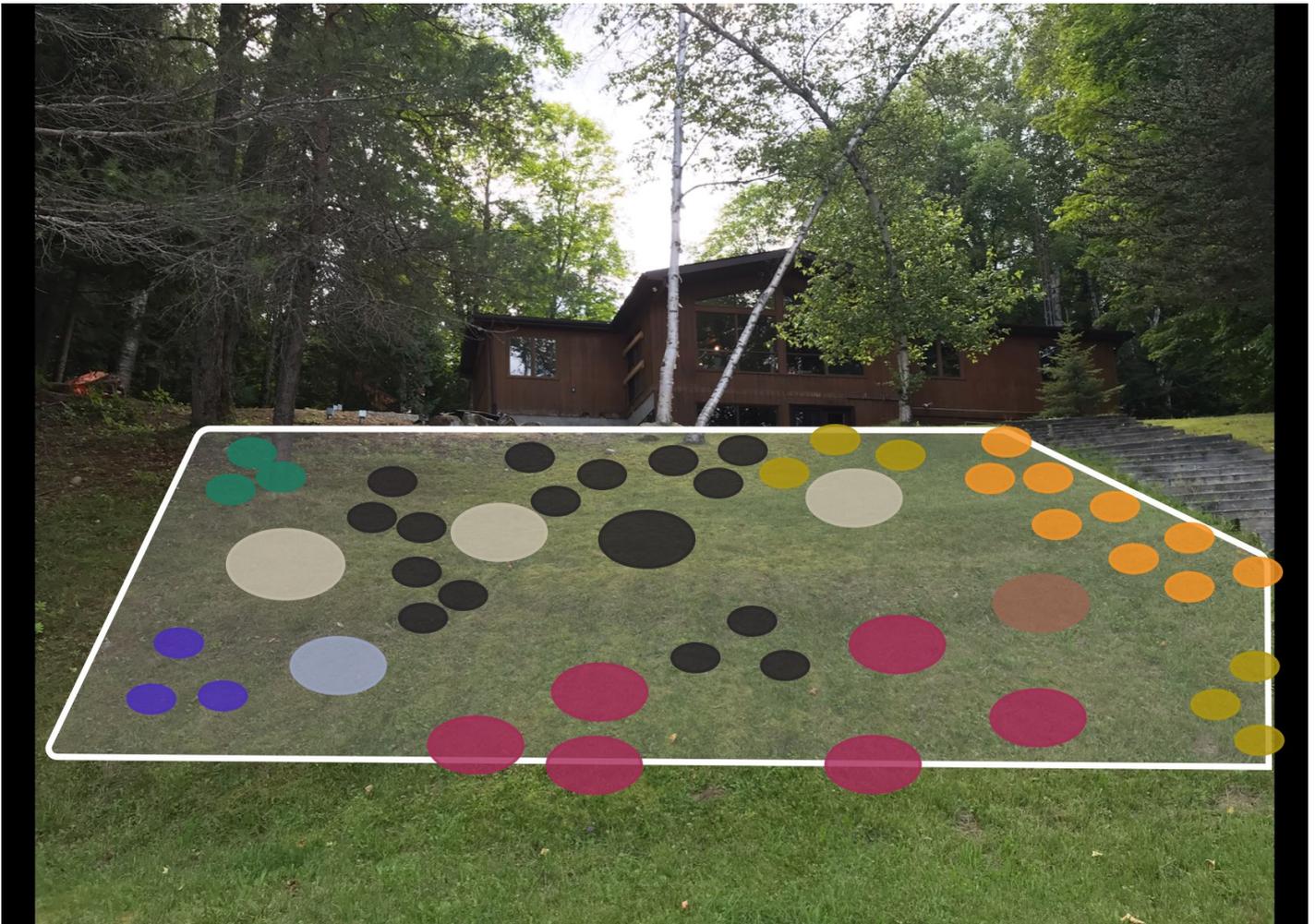
 Canada Yew
3

 White Spruce
1

Compartment F

Naturalization Area

- ⚖ PH: acidic
- 🌿 DEPTH: potted
- 💧 MOISTURE: normal
- 🌱 SOIL TYPE: sandy, loamy
- 📏 PLANT HEIGHT: any
- ☀️ LIGHT CONDITIONS: full sun, partial sun



● Red Osier Dogwood
6

● Bush Honeysuckle
9

● Christmas Fern
3

● Ostrich Fern
3

● Nannyberry
1

● Shrubby Cinquefoil
6



Alternate-Leaved Dogwood
1

Canadian Serviceberry
2

Ninebark
1

Bearberry
15

Black Walnut
1

Schedule B

Financial Summary

Project by: The District Municipality of Muskoka

Shoreline Re-Naturalization Starter Kit includes: free site visit, customized re-naturalization planting plan for your shoreline property, native plants including free bare root (small) and potted (large) plants and wildflowers, coconut fibre pads to deter grass from growing around new plantings, tree guards for all deciduous trees, mulch for your wildflowers, Plant Care Guide with instructions on how to take care of your new plants, Habitat Creation Guide and a Wildflower Garden Guide.

Our planting plans are created onsite with you and provide detailed information and plans to re-naturalize your shoreline property. We take photos of areas for planting and overlay native plants that are well suited to your property based on site conditions such as soil type and sunlight availability.

We will work with you to create a plan that works for you including options for low growing plants in areas where views are important.

Item	Quantity	Cost/Item	Subtotal
Starter Kit fee			\$300
Free potted plants	20	\$0	\$0
Paid potted plants	166	12.00	1992.00
Free bareroot plants	0	\$0	\$0
Free wildflowers	30	\$0	\$0
Paid wildflowers	16	6.00	96.00
Total costs			2388.00



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:

The District Municipality of Muskoka

70 Pine Street Bracebridge, Ontario P1L 1N3

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 for you to pick up your Natural Edge Kit. The District Municipality of Muskoka will supply all plants and materials. If you are paying for the planting to be completed for you, a date will be arranged for The District Municipality of Muskoka to plant your shoreline, bringing the plants and materials with them. If there are particular dates that you would prefer, we will do our best to accommodate your requests.

The Natural Edge Stewardship Agreement with The District Municipality of Muskoka

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

BETWEEN Andrew & Sheryl Russell-Slater 1019 Silver Birch Lane AND **The District Municipality of Muskoka** 70 Pine Street
Huntsville Ontario (*Hereinafter called the OWNERS*) Bracebridge, Ontario P1L 1N3 (*Hereinafter called DMM*)

WHEREAS the Owners and DMM 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;

NOW THEREFORE THE PARTIES AGREE AS FOLLOWS:

1. This Agreement shall be in effect for a period of 5 years, commencing with the date of this Agreement.
2. The Owners and DMM agree that the areas where the work is to be performed is as described in Schedule A.
3. The Owners agree to pick up their Natural Edge Starter Kit from DMM's office and plant their shoreline within two days of receipt. The Owners will provide "after" photos of the work completed to be used for reporting purposes. If the Owners wish to have the planting completed for them, then DMM or it's contractors, employees and agents will complete the planting at cost, as indicated in Schedule B.
4. If the planting is to be completed by DMM, then the Owners grant DMM, its contractors, employees and agents, the right to enter the property to perform the work agreed upon as outlined in Schedule A. In addition, DMM, 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.
5. The Owners agree to contribute the "Landowner contribution" and pay the costs indicated in Schedule B.
6. In instances where the Owners are to pay DMM for work to be performed (outlined in Schedule A), the Owners agree to provide payments to DMM prior to the commencement of that operation. Failure of payment shall constitute a breach of this Agreement and the Owners agree that this Agreement will be terminated and thereupon the Owners agree to pay DMM the estimated costs of the operations of the project completed to date, if any.
7. The Owners agree, if necessary, to perform a reasonable amount of maintenance, which is described in the Native Plant Care Guide, available at naturaledge.watersheds.ca.
8. If a 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 (WSIB) prior to performing the work.
9. The Owners agree not to remove, destroy or alter the project without prior consultation and approval of DMM. Pruning and trimming planted nursery stock, or adding replacement native nursery stock is exempt.
10. The Owners agree not to mow the planted area.
11. The Owners do acknowledge that DMM, its contractors, employees and agents, having performed said works, are not under further obligation with respect to survival of nursery stock, inspection, or maintenance.
12. The Owners, in the absence of negligence, hereby remise, release and forever discharge DMM, 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.

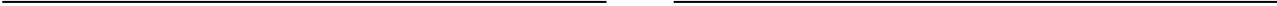
IN WITNESS WHEREOF the parties have agreed to the contents of this plan; SIGNED:

The District Municipality of Muskoka

Andrew & Sheryl Russell-Slater

Representative Signature:

Owner Signature:





About this program

About The District Municipality of Muskoka

The District of Muskoka is an upper-tier municipality that has monitored water quality in Muskoka area lakes since 1980. Since 2002, the Muskoka Water Strategy has provided integrated and strategic initiatives for the protection of Muskoka's water resources. The purpose of the strategy is to guide and minimize the impact of human activities on water resources; ensure human and environmental health; and preserve the quality of life in Muskoka.

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.