



## **Agenda Green Committee**

May 22, 2019  
5:30 pm  
Municipal Operations Centre  
408 James Street South, St. Marys

Pages

- 1. CALL TO ORDER**
- 2. DECLARATION OF PECUNIARY INTEREST**
- 3. AMENDMENTS AND APPROVAL OF AGENDA**

### **RECOMMENDATION**

**THAT** the May 22, 2019 regular Green Committee agenda be accepted as presented.

- 4. ACCEPTANCE OF MINUTES**

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### **RECOMMENDATION**

**THAT** the April 17, 2019 regular Green Committee minutes be approved and signed by the Chair and Committee Secretary.

- 5. BUSINESS ARISING FROM MINUTES**
- 6. REPORTS**

- 6.1 PW 32-2019 Forestry Management Plan – Species List**

7

### **RECOMMENDATION**

**THAT** PW 32-2019 Forestry Management Plan – Species List be received; and

**THAT** the Committee recommend to Council the Proposed Species List.

- 7. OTHER BUSINESS**

- 7.1 Elders' Group Meeting**

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John Stevens to provide more information.

John Stevens to provide more information.

**8. UPCOMING MEETINGS**

June 19, 2019 at 5:30 p.m. - Sparling Bush Priorities, Mattress and Box Spring Diversion Program, Preliminary discussion about the Solid Waste Management By-law

September 18, 2019 at 5:30 p.m. - Solid Waste Management By-law

**9. ADJOURNMENT**



## **Minutes**

### **Green Committee**

April 17, 2019

5:30 pm

Municipal Operations Centre  
408 James Street South, St. Marys

#### **Member Present**

Lynette Geddes, Chair  
Katherine Moffat, Vice-Chair  
Councillor Craigmile  
Fred Stam  
David Vermeire

#### **Member Absent**

John Stevens

#### **Staff Present**

Jed Kelly, Director of Public Works  
Dave Blake, Environmental Supervisor  
Morgan Dykstra, Committee Secretary

#### **1. CALL TO ORDER**

The meeting was called to order at 5:33 PM

#### **2. DECLARATION OF PECUNIARY INTEREST**

None received.

#### **3. AMENDMENTS AND APPROVAL OF AGENDA**

**Resolution: GC-2019-04-01**

**Moved By** K. Moffatt  
**Seconded By** F. Stam

**THAT** the April 17, 2019 regular Green Committee agenda be accepted as presented.

**Carried**

**4. DELEGATIONS**

None received.

**5. ACCEPTNCE OF MINUTES**

**Resolution: GC-2019-04-02**

**Moved By** D. Vermeire  
**Seconded By** Councillor Craigmile

**THAT** the March 20, 2019 regular Green Committee minutes be approved and signed by the Chair and Committee Secretary.

**Carried**

**6. BUSINESS ARISING FROM MINUTES**

Chair Geddes spoke to inviting Ron Aitken to the Sparling Bush Walking Tour, Ron re-directed Chair Geddes to speak with Bruce Symons for the tour.

M. Dykstra invited Bruce Symons to the tour, he will meet the Green Committee at the Waterloo Street entrance of Sparling Bush at 6:20 pm.

**7. CORRESPONDENCE**

7.1 John Stevens re: Notes re: St. Marys Green Expo

**Resolution: GC-2019-04-03**

**Moved By** F. Stam  
**Seconded By** Councillor Craigmile

**THAT** the Correspondence from Member J. Stevens regarding the current status of hosting a Green Expo be received.

**Carried**

**8. REPORTS**

8.1 PW 23-2019 TEXTILE RECYCLING

D. Blake introduced himself as the Environmental Supervisor for the Town of St. Marys. D. Blake spoke to the report and answered questions.

D. Blake clarified that Diabetes Canada works in partnership with Value Village in Stratford. All the proceeds from textiles that Value Village can sell are returned to Diabetes Canada.

The Committee noted that the existing textile recycling bins throughout Town are usually full, the installation of a bin at the St. Marys Landfill Site will be beneficial. Furthermore, the Town should investigate if a container should be placed at another location, for example, the Elgin Street or Jones Street parking lots. If the Town pursues another site, staff should consult with the Salvation Army.

The Committee agreed that if textile recycling bins are placed on Town property that Diabetes Canada should empty the bins regularly to prevent the containers from overflowing. There is more of a concern for the more public locations where there is no oversight.

When installed, the Town, in conjunction with Diabetes Canada should provide an information piece outlining what materials are acceptable.

**Resolution: GC-2019-04-04**

**Moved By** D. Vermeire

**Seconded By** F. Stam

**THAT** Report PW 23-2019, Textile Recycling be received; and

**THAT** staff consult with the Salvation Army regarding the option of having a second textile recycling bin in the downtown area; and

**THAT** the Green Committee recommends to Council that a textile recycling program at the St. Marys Landfill Site be adopted in partnership with Diabetes Canada

## **9. OTHER BUSINESS**

### **9.1 Bluewater Recycling Association**

Councillor Craigmile asked the Committee if it would be acceptable to see if Bluewater Recycling Association (BRA) will attend the Farmer's Market and provide a demonstration of acceptable and unacceptable materials for recycling.

The Committee agreed that having BRA attend a Farmer's Market is desirable. The Committee also inquired if BRA has new bin stickers for the curbside recycling receptacles. Councillor Craigmile will look into both items.

**10. UPCOMING MEETINGS**

April 17, 2019 – 6:20 pm, Green Committee walking tour of Sparling Bush, Waterloo Street entrance of Sparling Bush (weather dependent)

May 22, 2019 – 5:30 pm, Green Committee, Municipal Operations Centre

**11. ADJOURNMENT**

**Resolution: GC-2019-04-05**

**Moved By** K. Moffat

**Seconded By** D. Vermeire

**THAT** this meeting of the Green Committee adjourn at 6:05 pm.

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Chair

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Committee Secretary



# FORMAL REPORT

<b>To:</b>	Chair and Members of the Advisory Committee
<b>Prepared by:</b>	Morgan Dykstra, Public Works Coordinator
<b>Date of Meeting:</b>	22 May 2019
<b>Subject:</b>	<b>PW 32-2019 Forestry Management Plan – Species List</b>

## PURPOSE

To recommend to Council a revised tree species list for public lands in the Town of St. Marys. The species will consider two types of tree streams (1) modified environments, and (2) natural areas.

## RECOMMENDATION

THAT PW 32-2019 Forestry Management Plan – Species List be received; and  
THAT the Committee recommend to Council the Proposed Species List.

## BACKGROUND

The Modernizing Ontario's Municipal Legislation Act, 2017 (Bill 68) received Royal Assent on May 30, 2017. The act requires municipalities to adopt a policy with respect to how the municipality will protect and enhance the tree canopy and natural vegetation in the municipality by March 2019. Additionally, the Town of St. Marys Strategic Plan defined implementing a forestry and tree management policy as a priority.

In October 2018, staff presented to Council a forestry management plan. During the approval process, staff recommended to Council that Appendix F – Species List & Planting Conditions of the proposed forestry management plan be an interim species list. Council agreed.

The Upper Thames River Conservation Authority recommends the species including in Appendix F for the Upper Thames watershed. The species are adapted to the local climate and are more resilient than non-native species. The original species list primarily trees that are more suitable for naturalized areas, and are not ideal for modified environments where salt spray is likely. Therefore, developing a species list tailored for modified environments (i.e. boulevards, parks, and hard surface environments) is necessary.

The Town of St. Marys Council included revising the list as one of the Green Committee's strategic priorities for the 2018-2022 term.

At the February Green Committee meeting, staff proposed that the species list be split into two sections (1) modified environments, and (2) natural areas. The Committee agreed that the already established list for natural areas be retained. Staff brought forward a tree species "base list" that included trees that are commonly accepted as native to the area and suitable for urban modified areas. Using indicators such as tree hardiness, salt tolerance, nativity and historical experience, staff divided the base list into three sections for the Committee's consideration: Recommend, To Be Considered, and Not Recommended. Please see **Attachment A: Forestry Management – Modified Environment Tree Species Evaluation** for the original base list evaluation.

During the February Committee meeting, the Committee reviewed the base list and amended the proposed list. The Committee recommended that staff review the amended list, and consider tree suitability: height, soil type, growth speed, availability costs and professional opinions from the Town's forestry maintenance contractor. The Committee directed staff to bring back a tree species list at a later meeting.

## REPORT

The following steps were undertaken after the February 20, 2019 Green Committee meeting to create a proposed tree species list:

- Remove all species that were highlighted as "Not Recommended" on the amended modified environment tree species evaluation.
- Receive comment from other municipal arborists and their experiences with certain types of trees in modified areas, the list was again amended. Much of their opinions aligned with the evaluation list.
  - Some key comments:
    - Honeylocust, Gingko and the Kentucky Coffee Tree work well under wires and survive in poor compacted soils – they grow very slowly, and have an open branch structure that allow wires to pass through the crowns.
    - Serviceberries are good for gentle gardened sites but don't like urbanized spots with salt and compact (should consider removal).
    - Yellowwood, European Hornbeam, Ironwood, Blue Beech, London Plane and Hawthorns do well in urbanized areas.
    - Columnar Norway is invasive in natural areas, and there is the possibility that if included in street tree planting that it could escape that environment and damage natural areas.
- Staff reviewed the remaining trees to determine their height, soil type and growth speed in addition to the original indicators, the list as amended again.
- Staff contacted Winkelmolen Nursery Ltd. (where the Town purchases most trees), to determine if the nursery grows the trees that remain on the list. The products available are very diverse. All trees noted on the species list are available at this nursery.
  - The company has a very helpful website, that provides the characteristics of the trees: <http://www.winkelmolen.com/products/>
- The final draft of the species list was distributed to the Town's forestry maintenance contractor, Davey Tree Expert Company, and the company that assists with the tree planting program, St. Marys Landscaping Ltd. At the time of this report, the contractors have not provided comment. If comment is received by the meeting date, their responses will be provided to the Committee.

Table 1. Additions and Removals to the Amended Species Evaluation, outlines all items that have been added or removed since the February 20, 2019 meeting.

**Table 1. Additions and Removals to the Amended Species Evaluation**

Binomial Nomenclature	Common Name	Justification
Removals		



<i>Betula species</i>	Birch trees	Not usually used for modified environments – preferred for parks or natural areas
<i>Carya coriformus</i>	Bitternut Hickory	Stump and root sprouting from damaged trees/a challenge to transplant
<i>Carya Ovata</i>	Shagbark Hickory	Shedding of bark can be messy (or presumed dead by many)/not very slightly/difficult to transplant
<i>Corylus Columna</i>	Turkish Hazel	Difficult to transplant/extra maintenance during winter/needs supplemental water
<i>Liquidambar styracifula</i>	Sweet Gum	Not recommended for modified environments
<i>Maclura Pomifera</i>	Osage Orange	Extensive root system – will likely interfere with sidewalks
<i>Magnolia acuminata</i>	Cucumber Tree	Not recommended by other municipalities
<i>Pyrus Calleryana</i>	Callery Pear	Fireblight problems/graft incompatibility problems with rootstocks/objectionable smell
<i>Quercus species</i>	Oak Trees	Oak Wilt identified in Windsor ON, has been contained, but do not want to risk potential tree devastation
<b>Additions</b>		
<i>Carpinus betulus</i>	European Hornbeam	** Recommended by other municipalities
<i>Carpinus caroliniana</i>	Blue Beech	** Recommended by other municipalities
<i>Crategus species</i>	Hawthorns	** Recommended by other municipalities
<i>Ostrya virginiana</i>	Ironwood	** Recommended by other municipalities

Staff have drafted a revised tree species list, for modified environments and natural areas. Please see **Attachment B: Forestry Management – Proposed Tree Species List**. If the Committee is in agreement that the proposed list is acceptable, the list will be presented to Council, for Councils authorization to amend the Forestry Management Plan to replace the existing tree species list.

## **FINANCIAL IMPLICATIONS**

The budget for the annual tree planting program is \$7,500 each year.

The Town purchases most of its trees from the Winklemolen Nursery Ltd. A price list will be provided to the Committee members at the meeting

## **SUMMARY**

The Town of St. Marys has a Forestry Management Plan, Council has requested that the tree species list be amended to address modified planting areas and natural areas. Staff have drafted a species list for the Committee's consideration. If the Committee finds the list acceptable, the list will be presented to Council for final approval.

## STRATEGIC PLAN

- ☒ This initiative is supported by the following priorities, outcomes, and tactics in the Plan.
- Pillar #4 Culture and Recreation:
    - Outcome: A focused parks strategy
    - Tactic(s): Investigate implementing a forestry management policy for the Town.

## OTHERS CONSULTED

Johnathan Hahn, Parks Operator A

Vanni Azzano, Upper Thames Conservation Authority

John Enright, Upper Thames Conservation Authority

Stephen Smith, Urban Forest Associates

## ATTACHMENTS

Attachment A: Forestry Management – Modified Environment Tree Species

Attachment B: Forestry Management – Proposed Tree Species List

## REVIEWED BY

### Recommended by the Department



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Morgan Dykstra  
Public Works Coordinator



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Jed Kelly  
Director of Public Works



# FORESTRY MANAGEMENT: MODIFIED ENVIRONMENT TREE SPECIES EVALUATION

The Corporation of the Town of St. Marys - Public Works Department

Classification	Salt Tolerance	Native
Recommend	T - Tolerant	N- Native
To Be Considered	M - Intermediate	I - Introduced
Not Recommended	S - Sensitive	NN - Not Native

BINOMIAL NOMENCLATURE	COMMON NAME	SALT TOLERANCE	HARDINESS	NATIVE	COMMENTS
<i>Acer concolor</i>	White Fir	T	2	N	Coniferous (Sighline Issues)
<i>Acer Campestre</i>	Hedge Maple	T, M	5	NN	
<i>Acer x freemanii</i>	Freeman's Maple	T	4	NN	
<i>Acer ginnala</i>	Amur Maple	M, S	3	I	Mixed Salt Rating
<i>Acer nigrum</i>	Black Maple		6	N	Great Lakes Region in moist floodplains
<i>Acer pseudoplatanus</i>	Sycamore Maple	T	8	I	Native to Europe and planted in Southern Canada
<i>Acer rubrum</i>	Red Maple	M,S	6	N	Moist soils - mixed salt rating
<i>Acer saccharinum</i>	Silver Maple	T, M	6	N	Native Invasive
<i>Aesculus flava</i>	Yellow Buckeye		5	N	
<i>Aesculus glabra</i>	Ohio Buckeye		6	N	When brusied, the leaves and bark exude an unpleasant smell
<i>Aesculus x carnea</i>	Red Horse Chestnut	T	6	I	Do we want Chestnut trees in ROW?
<i>Amelanchier spp.</i>	Serviceberry	S	4	N	Edible trees?
<i>Betula papyrifera</i>	Canoe Birch, White Birch	M, T	6-Jan	N	Found in every Canadian province and territory - can be used to make canoes
<i>Betula pendula</i>	European White Birch	M		I	
<i>Betula populifolia</i>	Gray Birch	M	6	N	
<i>Carya corifromis</i>	Bitternut Hickory		7	N	Edible trees?
<i>Carya ovata</i>	Shagbark Hickory	T, M	7	N	Messy bark
<i>Catalpa speciosa</i>	Northern Catalpa	M	5	N	
<i>Celtis occidentalis</i>	Hackberry	S	7	N	Often used as a substitue for elm

<i>Cladrastis lutea</i>	American Yellow-wood	M	5	I	
<i>Corylus colurna</i>	Turkish Hazel		5	I	Toronto uses it
<i>Fagus sylvatica</i>	European Beech	S	7	I	Salt Rating
<i>Fraxinus quadrangulata</i>	Blue Ash		4	N	Ash tree (EAB concern)
<i>Ginkgo biloba</i>	Ginkgo	M		NN	
<i>Gleditsia triacanthos</i>	Honeylocust	T	5	N	
<i>Gymnocladus dioica</i>	Kentucky Coffeetree	T	5	N	
<i>Juglans nigra</i>	Black Walnut	M	7	N	Historical issues
<i>Juglans regia</i>	English Walnut	M	3,4,5,6,7,8	I	Historical issues
<i>Juniperus chinensis</i>	Pfitzer Juniper	T	4	I	Coniferous (Sighline Issues)
<i>Juniperus horizontalis</i>	Andorra Juniper	T	1,2,3,4	I	Coniferous (Sighline Issues)
<i>Juniperus virginiana</i>	Eastern Red-Cedar	T, M	3,4,5,6,7	I	Coniferous (Sighline Issues)
<i>Liquidambar styraciflua</i>	Sweet Gum		5,6	N	No salt rating
<i>Liriodendron tulipifera</i>	Tulip Tree		3,4	N	No salt rating
<i>Maclura pomifera</i>	Osage Orange		4,5	I	No salt rating
<i>Magnolia acuminata</i>	Cucumber Tree		6	N	No salt rating
<i>Malus</i>	Crab Apple	S			Salt Rating
<i>metasequoia glyptostroboides</i>	Dawn Redwood	S	5,6	NN	Coniferous + salt rating
<i>Platanus x acerifolia</i>	London Plane-Tree	S	6	NN	
<i>Populus canescens</i>	Gray Poplar	T	3	I	
<i>Populus grandidentata</i>	Bigtooth Aspen	T, M	1,2,3,4,5,6,7	N	
<i>Populus nigra</i>	Lombardy Poplar	T, M	3,4,5,6,7,8,9	I	
<i>Populus tremuloides</i>	Quaking Aspen	T, M	All	N	One of the most widely distributed species in Canada
<i>Prunus padus</i>	European Bird Cherry	T, M			
<i>Prunus virginiana</i>	Chokecherry	T, M	All	N	
<i>Pyrus Calleryana</i>	Callery Pear	T, M			
<i>Quercus alba</i>	White Oak	M, S	4	N	oak tree
<i>Quercus bicolor</i>	Swamp White Oak	S	4	N	
<i>Quercus ellipsoidalis</i>	Northern Pin Oak		3	N	No salt rating + and oak tree
<i>Quercus macrocarpa</i>	Bur Oak	M	3,4,5,6,7,8	N	
<i>Quercus meuhelbergii</i>	Chinquapin Oak	S	5,6,7	N	Often grows on limestone
<i>Quercus robur</i>	English Oak	S	4,5,6,7,8	NN	
<i>Quercus rubrus</i>	Red Oak	M, S	2 thru 8	N(SO)	
<i>Robinia pseudoacacia</i>	Black Locust			NA	Tree killer and enables lower invasive vegetation species

<i>Syringa reticulata</i>	Japanese Tree Lilac	M			
<i>Taxodium distichum</i>	Baldcypress		4,5	I	
<i>Tilia americana</i>	Redmond Linden	M	1 thru 7	N	
<i>Tilia cordata</i>	Littleleaf Linden	T	3,4	N	

# Forestry Management: Approved Species List & Planting Conditions



The Town has established two types of species list to address the needs of different planting sites. The species lists are as follows: (1) modified environments (2) natural areas. There are a variety of trees that are suitable for both lists, those trees have an asterisk beside their binomial nomenclature. The species' list planting conditions vary in each list to accommodate information that is more relevant for the purpose of planting.

In each list, the attempt is to prioritize native species. Some native species have not been included in the list due to availability at local nurseries or vulnerability to disease and insect.

## MODIFIED ENVIRONMENT SPECIES LIST

MODIFIED ENVIRONMENTS				
Binomial Nomenclature	Common Name	Size	Form	Comments
<i>Acer Campestre</i>	Hedge Maple	Medium	Rounded	Compact form, best on dry alkaline soil
<i>Acer x freemanii</i>	Freeman's Maple	Medium	Oval Rounded	
<i>Acer ginnala</i>	Amur Maple	Small	Rounded	Multi-stem compact form/tends to sucker/specify single stem form
<i>Acer nigrum</i>	Black Maple	Large	Oval	
<i>Acer pseudoplatanus</i>	Sycamore Maple	Large	Oval – Rounded	Very pollution and salt tolerant/cankers cause high maintenance
<i>Acer rubrum</i>	Red Maple	Medium	Oval- Rounded	Tolerates wet soil
<i>Aesculus flava or octandra</i>	Yellow Buckeye	Large		Tree has no leaf scorching in the summer
<i>Carpinus caroliniana</i>	Blue Beech	Medium	Rounded	Likes wet soil,
<i>Catalpa speciosa</i>	Northern Catalpa	Large	Pyramidal - Spreading	
<i>Celtis occidentalis</i>	Hackberry	Large	Vase	Requires pruning for general form/very tolerant

<i>Cladrastis lutea</i>	Yellowwood	Medium	Rounded	Few problems/use local seed sources or stock only/prune early
<i>Crataegus species</i>	Hawthorns	Small	Rounded	Thornless & disease resistant varieties only / <i>Crataegus monogyna</i> is invasive
<i>Ginkgo biloba</i>	Maidenhair	Large	Pyramidal – Spreading	Tolerant for city conditions and pollution/ slow growing but very large a maturity/ virtually pest and disease free/open branch structure
<i>Gleditsia triacanthos</i>	Honeylocust	Medium	Spreading	Provides a filtered shade/susceptible to defoliation by leafhopper
<i>Gymnocladus dioica</i>	Kentucky Coffeetree	Large	Oval	Male variety only/open branch structure
<i>Liriodendron tulipifera</i>	Tulip Tree	Large	Rounded	Moist and well-drained soil/very large tree most appropriate for lawn areas
<i>Ostrya virginiana</i>	Ironwood	Medium	Oval	Mainly and understory tree
<i>Platanus x acerifolia</i>	London Plane-Tree	Large	Spreading	Frost cracks on trunk/attractive peeling bark/fruit can cause problems/very large at maturity
<i>Populus</i>	Poplar	Medium	Varies	
<i>Prunus species</i>	Cherry	Small	Rounded	
<i>Syringa reiculata</i>	Japanese Tree Lilac	Small	Rounded	Excellent, small specimen
<i>Tilia americana</i>	Basswood	Large		Prefers deep moist fertile soil/will grow on drier heavier soil/needs large space
<i>Tilia cordata</i>	Littleleaf Linden	Medium	Pyramidal	

## NATURAL AREAS

The following are species recommended by the Upper Thames River Conservation Authority for the Upper Thames River watershed. The planting conditions for each species has been included. These species are adapted to the local climate and are more resilient than non-native species.

## NATIVE TREES

Binomial Nomenclature	Common Name	Light Level	Soil Moisture	Soil Type
<i>Acer rubrum</i>	Red Maple	Part Sun	Wet to Moist	Variety
<i>Acer saccharinum</i>	Silver Maple	Sun	Wet to Moist	Rich
<i>Acer saccharum</i> <i>ssp.nigrum</i>	Black Maple	Shade	Moist	Rich floodplains
<i>Acer saccharum</i> <i>ssp.</i> <i>saccharum</i>	Sugar Maple	Part Sun to Shade	Moist	Rich, well- drained
<i>Amelanchier arborea</i>	Dony Serviceberry	Part Sun	Moist to Dry	Sandy, Rocky
<i>Asimina trilobal</i>	Pawpaw	Shade	Wet to Moist	Rich
<i>Betula alleghanienensis</i>	Yellow Birch	Part Sun	Wet to Moist	Rich
<i>Betula papyrifera</i>	White Birch	Sun	Variety	Variety
<i>Carpinus caroliniana</i>	Blue Beech	Shade	Moist	Deep, Rich
<i>Cary ovata</i>	Shagbark Hickory	Full to Part Sun	Moist	Rich
<i>Celtis occidentalis</i>	Hackberry	Part Sun	Moist	Variety
<i>Cornus alternifolia</i>	Alternate-leaved Dogwood	Part Sun	Moist	Deep, Well- Drained
<i>Cornus florida</i>	Flowering Dogwood	Part Sun	Moist	Variety
<i>Gymnocladus dioicus</i>	Kentucky Coffee-tree	Part Sun	Moist	Deep, Rich
<i>Juniperus virginiana</i>	Eastern Red Cedar	Sun	Moist to Dry	Rocky, Sandy Soils
<i>Larix laricina</i>	Tamarack	Part Sun	Variety	Variety
<i>Liriodendron tulipifera</i>	Tulip Tree	Sun	Wet to Moist	Sand, sand loam, rich
<i>Nyssa sylvatica</i>	Black Gum	Part Sun	Wet	Rich
<i>Ostryia virginiana</i>	Hop-hornbeam or Ironwood	Shade	Moist	Well-drained
<i>Platanus occidentalis</i>	Sycamore	Part Sun	Wet to Moist	Rich, Poorly Drained
<i>Pinus strobus</i>	White Pine	Sun	Moist to Dry	Variety
<i>Populus balsamifera</i>	Balsam Poplar	Sun	Wet to Moist	Rich
<i>Populus deltoids</i>	Eastern Cottonwood	Sun	Moist	Rich
<i>Populus grandidentata</i>	Large-tooth Aspen Sun	Sun	Moist to Dry	Variety



<b>Populus tremuloides</b>	<b>Trembling Aspen</b>	Sun	Moist to Dry	Variety
<b>Populus Americana</b>	<b>American Plum</b>	Sun	Moist	Variety
<b>Prunis nigra</b>	<b>Canada Plum</b>	Sun	Moist	Variety
<b>Prunus pensylvanica</b>	<b>Pin Cherry</b>	Sun	Moist to Dry	Variety
<b>Prunus serotina</b>	<b>Black Cherry</b>	Sun	Moist to Dry	Variety
<b>Quercus alba</b>	<b>White Oak</b>	Full to Part Sun	Moist	Variety
<b>Querecus bicolor</b>	<b>Swamp White Oak</b>	Part Sun	Wet to Moist	Rich
<b>Querecus macrocarpa</b>	<b>Bur Oak</b>	Full to Part Sun	Moist	Variety
<b>Querecus muhlenbergii</b>	<b>Chinquapin Oak</b>	Part Sun	Dry	Sandy, Rocky
<b>Quercus rubra</b>	<b>Red Oak</b>	Full to Part Sun	Moist to Dry	Variety
<b>Quercus velutina</b>	<b>Black Oak</b>	Sun	Dry	Sandy to Clay
<b>Sassafrass albidum</b>	<b>Sassafrass</b>	Part Sun	Moist	Variety
<b>Thuja occidentalis</b>	<b>Eastern White Cedar</b>	Part Sun	Wet to Dry	Variety over limestone
<b>Tilia Americana</b>	<b>American Basswood</b>	Part Shade	Moist	Rich
<b>Tsuga canadaensis</b>	<b>Eastern Hemlock</b>	Shade	Moist (and cool)	Variety
<b>Ulmus Americana</b>	<b>American Elm or White Elm</b>	Part Sun	Wet to Dry	Variety
<b>Ulmus rubra</b>	<b>Slippery Elm or Red Elm</b>	Sun	Moist	Rich

## SHRUBS

<b>Binomial Nomenclature</b>	<b>Common Name</b>	<b>Light Level</b>	<b>Soil Moisture</b>	<b>Soil Type</b>
<b>Amelanchier canadensis</b>	<b>Canada Serviceberry</b>	Part Sun	Moist	All
<b>Amelanchier laevis</b>	<b>Smooth Serviceberry</b>	Part Sun	Moist	Well-drained
<b>Aronia melanocarpa</b>	<b>Black Chokeberry</b>	Sun	Wet to Moist	All
<b>Cephalanthus occidentalis</b>	<b>Buttonbush</b>	Part Sun	Wet	Loam
<b>Cornus alternifolia</b>	<b>Alternate-leaved Dogwood</b>	Part Sun	Moist	All
<b>Cornus amomum ssp. obliqua</b>	<b>Silky Dogwood</b>	Sun	Wet	All

<b>Cornus foemina ssp. racemose</b>	<b>Grey Dogwood</b>	Sun	Moist	Sand
<b>Cornus rugosa</b>	<b>Rould-leaved Dogwood</b>	Part Sun	Moist to Dry	Sand
<b>Cornus stolonifera</b>	<b>Red-osier Dogwood</b>	Sun	Wet to Moist	All
<b>Corylus Americana</b>	<b>American Hazelnut</b>	Part Sun	Dry	Sand
<b>Corylus cornuta</b>	<b>Beaked Hazel</b>	Part Sun	Moist	All
<b>Hamaelis virginiana</b>	<b>Witch-hazel</b>	Part Sun	Moist to Dry	All
<b>Ilex verticillata</b>	<b>Winterberry</b>	Part Sun	Wet	Clay, Loam
<b>Juniperus Communis</b>	<b>Common Juniper</b>	Sun	Dry	All
<b>Lindera benzoin</b>	<b>Spicebush</b>	Shade	Wet to Moist	Loam
<b>Physocarpus opulifolius</b>	<b>Ninebark</b>	Part Sun	Most	Loam
<b>Prunus virginiana</b>	<b>Choke Cherry</b>	Part Sun to Shade	Moist	All
<b>Rhus aromatica</b>	<b>Fragrant Sumac</b>	Sun	Moist to Dry	Sand
<b>Rhus glabra</b>	<b>Smooth Sumac</b>	Sun	Moist to Dry	Sandy, Rocky
<b>Rhus typhina</b>	<b>Staghorn Sumac</b>	Sun	Moist to Dry	All
<b>Ribes americanum</b>	<b>Wild Black Currant</b>	Shade	Wet to Moist	All
<b>Ribes cynosbati</b>	<b>Pricklhy Gooseberry</b>	Part Sun	Moist	All
<b>Rosa blanda</b>	<b>Smooth Rose</b>	Sun	Moist to Dry	Sand
<b>Rosa Carolina</b>	<b>Carolina Rose or Pasture Rose</b>	Sun	Mosit to Dry	Sand
<b>Rosa palustris</b>	<b>Swamp Rose</b>	Sun	Wet	Loam
<b>Salix amygdaloides</b>	<b>Peach-leaved Willow</b>	Full Sun	Wet to Moist	Variety
<b>Salix bebbiana</b>	<b>Beaked Willow</b>	Sun	Wet to Moist	All
<b>Salix discolor</b>	<b>Pussy Willow</b>	Part Sun	Wet to Moist	All
<b>Salix eriocephala</b>	<b>Willow</b>	Sun	West to Moist	All
<b>Salix exigua</b>	<b>Sandbar Willow</b>	Sun	Wet to Moist	All
<b>Salix lucida</b>	<b>Shining Willow</b>	Sun	Wet to Moist	All
<b>Sambucus canadensis</b>	<b>Common Elderberry</b>	Part Sun	Wet to Moist	All

<b>Sambucus racemosa ssp pubens</b>	<b>Red-berried Elder</b>	Shade	Moist	All
<b>Spiraea alba</b>	<b>Narrow-leaved Meadow-sweet</b>	Sun	Wet to Moist	All
<b>Viburnum lentago</b>	<b>Nannyberry</b>	Part Sun	Moist	All
<b>Viburnum trilobum</b>	<b>Highbush Cranberry</b>	Part Sun	Most	All

Information Sources:

Recommended Native Trees, Shrubs & Vines for Naturalization Projects in the Upper Thames River Watershed. Information sheet by the Upper Thames River Conservation Authority.  
[Thamesriver.on.ca/wp-content/uploads/NativeSpecies/Native-trees-shrubs.pdf](http://Thamesriver.on.ca/wp-content/uploads/NativeSpecies/Native-trees-shrubs.pdf)

DRAFT

# Elders' Group meeting

A few weeks ago, I attended an elder's group meeting at the library. The featured presentations were from Bluewater Recycling Association (BRA) and Blue Bayfield.

The representative from BRA went over the new designations for what can and cannot be recycled. Due to China no longer accepting some of our recyclable materials, the rules have changed. Remember the numbers in the triangle? Forget them. They have little meaning. Some other items which were accepted before, like window envelopes, are not accepted if there are two materials on the piece. I think I can speak for many in attendance and certainly for myself that there was confusion and disappointment in the room. For Bluewater, it is a matter of what they can sell or not – economics. My feeling is that improving the environment needs more innovative solutions. Are we looking at how other countries are dealing with the same problems?

Blue Bayfield has been in existence for over 15 years. They have gradually won the citizens and council over to where it is now a plastic-free, coastline community. They made an excellent present-

ation that drove the fact home of how much plastic there is per square kilometer in the oceans vs the Great Lakes. The figures are 220,000 vs 430,000. Each day 80 million pieces of plastic enter the oceans, lakes and rivers.

One of the things this group has done is produce the bookmark below. Could we produce something like this for St. Marys?

The question I ask is what direction our committee wants to take on these two issues.



# Environmental Expo

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What I thought was an original idea has suddenly been pretty well commonplace. There are many communities that are putting on similar events, some of them smaller than St. Marys.

I have a group of people who are interested and I am going to try one last time to form an organizing committee. A few of us have done some ground work, but we need more than three people to do a good job at this.

The idea of this is that it will be a fair full of ideas and information to help ordinary people become educated and find or make the products they need to become better environmental citizens of the world. Finding solutions is what it's all about.

Why do I want to do this? I am one of those people who is becoming frustrated with the search to become a more responsible citizen of the world. I see lots of great ideas on the Internet, but how do I participate in them? How frustrating is it? If you have watched a recent discussion on recycling with BRA on St. Marys Life, you will see that people are really confused.

Stay tuned. If you know anybody who wants to be a part of this, let me know.