



URBAN FORESTRY MUNICIPAL

LAMBTON SHORES TREE NURSERY

A tree nursery of native species to our area was established at Klondyke Sports Park to provide trees to replace those trees throughout the Municipality that have died from disease or old age. The goal is to have residential streets recapture their past aesthetic quality with indigenous trees.

- In 2008, Lambton Shores received funding from Ausable Bayfield Conservation Authority and Tree Canada for the creation of a tree farm at Klondyke Sports Park. Two hundred native large stock trees were planted in the fall and 3,400 seedlings were planted on “Earth Day” in the spring of 2009.
- 2010 saw the development of a maintenance plan to assist staff in correctly maintaining this farm as well as trees on municipal properties. The plan includes: proper planting and relocating, mulching, inspection and water procedures, and pruning procedures.
- White Spruce trees from the Klondyke tree farm will be transplanted to the Klondyke Sports Park to act as a barrier between the park and the driveway

URBAN FORESTRY PLANNING & DESIGN

- The Community Improvement Plans and Beach Enhancement Plan will promote the greening of Lambton Shores. The design for tree plantings and landscaped areas will provide a guideline for future spending and will provide some guidelines for community group partnerships.
- It is important that we link our communities and pay attention to natural woodlot areas. The plan provides the vision for preserving and expanding natural woodlots.
- In 2009, elements of the Community Improvement Plans such as tree plantings, special crosswalks and efficient lighting were implemented along with six new road construction projects. There are new tree plantings on MacDonald St., Morris St. and Rawlings Road in Forest, Victoria St. in Thedford and Gill Road and Ontario Street in Grand Bend.





THEDFORD VILLAGE GREEN TREE PLANTINGS

The construction of Thedford Village Green included the planting of native tree species, such as:

- Shademaster Honeylocust
- White Spruce
- Apple Serviceberry
- Heritage River Birch
- Akebono Flowering Cherry



GRAND BEND MAIN STREET TREES

Part of the Grand Bend Main Street enhancement was to reintroduce native tree species to the area. As a result, the following native tree species can be found on Main Street:

- Downy Serviceberry
- Autumn Blaze Freeman's Maple
- Pyramidal European Hornbeam
- Bitternut Hickory
- Hackberry
- Princeton Sentry Hawthorn
- Blue Beech
- Kentucky Coffee Tree
- Prairie Fire Flowering Crabapple
- Chokecherry
- Bur Oak
- Red Oak
- Ivory Silk Lilac
- Silver Linden



TREE PROTECTION

In order to maintain a healthy stock of mature trees, the Municipality will require development proponents, as a condition of approval, to preserve mature trees where possible and when trees must be removed, these shall be replaced with new plantings in a reasonable time by trees of similar species and of sufficient maturity to enhance the appearance of the development. In addition, the Municipality will encourage the introduction of new tree plantings as one component of the development approval process

WOODLOT MANAGEMENT

In accordance with the Lambton County Tree By-law, no clearing of woodlots will be permitted except for minor clearing for convenience purposes as approved by Lambton County Council. County Council may require, as a condition of approval, reforestation of, at least, an equivalent area of land, or planting of a fence line or windbreak.

Where forest cover has been removed and is to be replaced as a condition of a development approval, the use of indigenous species of vegetation is encouraged. Restoration work should be required at rate of twice the area of forest cover that was removed. Preference will be given to replacing the trees at the same site and/or within the Environmental Protection or Hazard designations. The replacement tree stock should consist of indigenous species where quality stock is available and be maintained by the proponent to the free to grow stage. Long term management of these replacement trees will comply with the County of Lambton Tree Cutting By-law.

To encourage woodlot protection, the Draft Official Plan states that the Municipality may consider implementing relevant sections of the Forestry Act, the Woodlands Improvement Act, the Municipal Act and any other relevant legislation.



PLANNING AND DEVELOPMENT – TREE SAVING PLAN

Development proponents within or adjacent to wooded areas will be required to submit a Tree Saving Plan, satisfactory to the Municipality as a condition of approval. The Tree Saving Plan shall:

- Contain an inventory of existing tree species and condition;
- indicate the impact of development on existing trees and the wild life habitat that they provide;
- indicate measures necessary to reduce the negative effect of development;
- indicate the trees to be removed and ensure the preservation of the remaining trees;
- indicate a plan for the replacement of trees with suitable quality stock, preferably of indigenous species, and maintenance of replacement trees to a free to grow stage;
- be included in the development agreement;
- incorporate the requirements of an Environmental Evaluation if the wooded area is part of a Significant Woodland. Significant Woodlands are those forested areas which are designated Environmental Protection in a Primary corridor or Significant Natural Area, or any contiguous forested area that is 4 hectares, or greater in size; and
- identify building envelopes for proposed construction.

ARKONA

- LIBRO Financial Group, in recognition of “Earth Day” and as a Communities in Bloom project, donated seedlings to residents of Arkona. These seedlings were delivered to every house on Earth Day.
- The Ausable Bayfield Conservation Authority had to remove nearly 150 infected trees from Rock Glen. A reforestation plan for the popular destination is in the works.

FOREST

- A memorial tree program in partnership with local funeral directors has been established at the Shores Recreation Centre.
- Hydro One committed funds to help replace trees that had to be removed during their tree maintenance program in Forest. Trees were planted at the X-park and Forest bulk water station to place dead/diseased trees.
- The Forest Agricultural Society have replaced several trees that were infected by the Emerald Ash Borer at the Forest Fairgrounds.
- The Forest Community Foundation contributed funds for the Re-Greening of Forest Project which were used to plant native trees on private and public property.
- Jacob Ross Clemens Foundation – donating trees to start Jake’s Grove behind skate park in Forest. They hope to add a bench, recycling bins and signage in the upcoming years.

GRAND BEND

- Union Gas donated \$15 hundred worth of trees (approximately 200 trees) to the Klondyke Sports Park.
- Various Grand Bend stakeholders and a York University Urban Forestry team met in November 2008 and defined the following vision for the Grand Bend urban forest.
“To manage a healthy urban forest throughout Grand Bend that reflects and promotes the town’s unique ecosystems and rare heritage trees, through public education, community involvements, and effective laws.”



LAMBTON WILDLIFE INC.

Lambton Wildlife Inc. supports the establishment and care of conservation areas and wildlife sanctuaries including the Port Franks wetlands and forested dunes where more than 500 hectares are home to a spectacular array of plants and animals found collectively nowhere else in Canada. A number of public and private organizations have combined to preserve more than 2/3 of this rare Carolinian habitat.

The Lambton County Heritage Forest, purchased in 1940 is owned and managed by the County of Lambton. Abutting to the west, L-Lake Management Area has been owned and managed by the ABCA since 1987. The Karner Blue Sanctuary was purchased in 1988 by Lambton Wildlife Incorporated. Obtained by the Nature Conservancy of Canada in 1994, the Port Franks Forested Dunes Nature Reserve is managed by Lambton Wildlife Incorporated.

PINERY PROVINCIAL PARK

Over 99.93 percent of the Oak Savanna in the world has been devastated or altered. However, through deliberate management techniques such as prescribed burns and extensive pine cutting programs, Pinery has restored its Oak Savanna ecosystems. Pinery now protects almost 50 percent of the remaining Oak Savanna in the world!





5000 TREES PROJECT

In the early evening of July 27, 2014, a tornado ripped through a wide area in Lambton Shores, leaving a path of destruction behind it.

Thankfully, property damage was modest. But the tornado passed through heavily forested areas, taking down hundreds of trees. Among them were grand old oak trees that were part of the rare Oak Savannah ecosystem. As life slowly returned to normal, the community began to think about how to restore the tree cover.

The Grand Bend Community Foundation stepped forward with special funding, and a small committee of citizens came together to create the *5,000 Trees Project*. Partners included the Ausable Bayfield Conservation Authority and its foundation, the Municipality of Lambton Shores, St. John's-by-the-Lake Anglican Church, and the Rotary Club of Grand Bend. "It was hard to see so many trees toppled after the tornado," says co-Chair Max Morden. "The *Project* was a positive response that helped raise spirits."

The committee held two tree sales in 2015. Residents had the option of ordering 20 or more trees from the Conservation Authority, and receiving a \$50 subsidy, or buying a smaller number of trees at the sale itself. Two education sessions took place in early spring, providing useful information about how to plant and care for native trees in local conditions. By the time of the fall tree sale, the Project even had its own tree mascot! The devastation of the Emerald Ash Borer was another reason many people purchased trees.

In all, the *Project* saw some 1,700 trees sold and planted in 2015.

The committee is continuing to plan tree sales and related activities, with a goal of reaching at least 5,000 trees planted within 10 years. It is also beginning to expand to a broader focus on issues of climate change and biodiversity.

"We love our trees in Lambton Shores," says Morden. "We also know that each tree can absorb as much as 48 pounds of carbon dioxide a year, so growing trees really helps combat climate change. The *Project* is a great way for people to come together to benefit our community and our planet."





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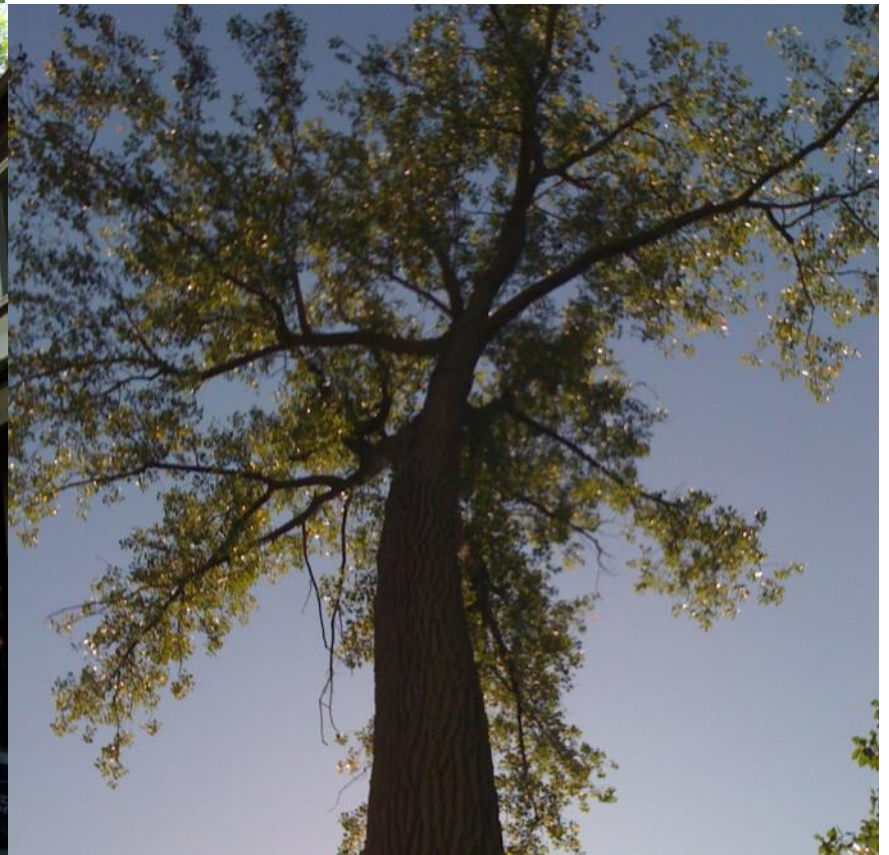
COMMUNITIES IN BLOOM GRANDEST NATIVE TREE CONTEST

One of the Communities in Bloom Committee's goals for 2010 was to raise the awareness of the importance of planting trees and of planting native tree species. The Committee developed the Grandest Tree Contest as part of this initiative. In 2011, this program was revised to become the Grandest Native Tree Contest.

Community presentations about this program has generated some interest.

Lambton Shores CIB will be starting a tree registry that will include all the winners of the Grandest Native Tree Contest. The Committee would like to see these trees plaqued in the future..

Pictures of some of the contest entries are included on this page.



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- Kiwanis Club of Forest have planted native trees at Whyte Park in Forest as a memorial recognition. This was done with assistance from CIB volunteers.
- Forest Agricultural Society has obtained a municipal community grant for tree planting at the fairgrounds. Native trees have been planted on site to replace diseased trees that had to be removed.
- Forest Cliff Camp obtained a Union Gas grant for tree planting-70-90 trees-mix of 3 to 4 ft and 10-- to 12 feet
- Forest Glen Herb Farm obtained 200 native tree seedlings from St. Clair Conservation Authority to add to their inventory
- Grand Bend and Area Horticultural Society purchased three larger trees for Grand Bend Public School, one of each of the 2011 CIB selected trees
- Centre Ipperwash Community Association is planning a memorial tree garden with funding from a local resident.
- CIB, Lake Smith Conservationists, Optimist Club of Ausable Port Franks and Bosanquet School are partnered for a tree planting program. Lake Smith and the Optimist Club of Ausable Port Franks donated the money for the project which must include an educational component. The staff and students have been guided in the project by CIB committee member Rick Doyle. The Thedford Fire Department will water the trees throughout the summer.
- Lambton Shores CIB obtained a Union Gas grant to plant native trees at the Legacy Centre with advice of our volunteer.
- Arkona received a grant of \$2,800.00 for new tree plantings through the Home Hardware Tree Plant Program.



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COMMUNITIES IN BLOOM NATIVE TREE PROJECT

2011

- The Lambton Shores Communities in Bloom Committee established a "Native Tree Subcommittee" that consisted of a retired professional arborist, a local horticulturalist and CiB committee members.
- As per the subcommittee's title, the focus would be on the planting and education of trees that are native to our community
- A Native Tree educational brochure that was been distributed throughout Lambton Shores. Information about the Emerald Ash Borer was also included in the pamphlet.
- 3 feature trees were selected to promote: Tulip Tree, Red Maple or Kentucky Coffee Tree. The intent is to select three different trees annually.
- Two local greenhouses to offer "20%off" coupons on the purchase of one of featured trees
- CIB makes PowerPoint presentations to community groups across Lambton Shores and has encouraged the need for tree planting programs and recommended the advice of these volunteers.
- Municipal staff consulted with these two experts regarding municipal tree issues when required.

2012

- Lambton Shores Communities in Bloom received a \$5000.00 TD grant to continue with Native Tree planting. Several community groups pledged a total of \$9,000.00 for tree purchases in addition to the TD grant received.
- CIB has continued its partnership with local greenhouses, providing the discount program for individual residents on the featured trees: Tulip, Red Bud and Tamarack
- Trees were planted in various playgrounds and around our public facilities as identified by Municipal staff.
- Tree planting education and awareness and maintenance workshops provided for our volunteer groups and staff.



- Planting activities coincided with Earth Day in spring and National Tree Day in the fall. The outcomes are increased awareness and knowledge, civic pride and responsibility related to increasing tree canopy with native species trees.

2013

- The Committee continued to promote the project in 2013, on a smaller scale.
- Featured trees: Serviceberry, the Red Oak and the Eastern Hemlock.
- The Native Tree Brochure was updated and made available in all municipal offices and on the municipal website.

2014

- Featured trees: Basswood, Bur Oak, and White Pine.
- No major tree planting projects were planned for 2014, with the exception of replacing the trees that are dying at the Grand Bend Beach.

2015

- Featured trees: Sugar Maple, the White Spruce, and the Ironwood.
- The committee is took this project a step further with the "Re-Foresting of Forest". This project will use donated funds to help re-tree the Town of Forest, which has seen a significant decrease in its tree canopy as a result of the Emerald Ash Borer and aging trees.

2016

- Featured Trees: the Red Maple, the Serviceberry and the Paper Birch.
- The Committee is hoping to develop a brochure that will help educate the general public on the Emerald Ash Borer – how to identify infected trees; how to remove the trees safely.



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ASH TREE REMOVAL

The Municipality mapped out the Ash trees on municipal property that are affected by this pest. Once this was completed, staff determined the best course of action for removing and replacing the infected trees.

Each year the Municipality set a budget specifically for tree removal in its operational budget. Due to the large number of infected ash trees in our community, this project will take a number of years before it is completed.

STAFF TRAINING

Training courses will be offered to interested staff on proper tree management and maintenance practices. Management is also seeking out courses for staff to become educated on the plant and tree diseases affecting Lambton Shores.

TREE REPLACEMENT

As mentioned previously, community groups have already started replacing the infected trees, particularly at the Forest Fairgrounds where the majority of the trees there are Ash trees.

The Ausable Bayfield Conservation Authority had to remove nearly 150 infected trees from Rock Glen. A reforestation plan for the popular destination is in the works.

Native trees are purchased through our local conservation authorities to help replenish the tree population once the diseased trees have been removed.

Hydro One donated \$2,000.00 to replace trees that were removed as a result of their operations. New trees and shrubs were planted at the Forest X-Park and the Forest Bulk Water Station to replace Ash trees that were destroyed by the Emerald Ash Borer. Trin's Fashions in Forest also contributed to this project.

