



Tree Inventory

‘Neighbourwoods in Beaverbrook’ - *Community Tree Stewardship*

KBCA AGM - April 16, 2018

Background

The Challenge

- Our Forest resource is under pressure (Ash borer)
- Information about tree status isn't collected
- Most trees are on private property

The Opportunity

- We are motivated - we love our trees
- Implement a tree inventory using volunteers
- Foster citizen stewardship as a sustainable process
- Collaborate with like-minded groups

The KBCA Plan

2017 – we started

- Launched a pilot of Neighbourwoods tree survey
- Provided course & started the tree inventory with a small group of volunteers

2018

- **Provide Neighbourwoods hands-on training June 9-10**
- Several teams to work across Beaverbrook
- Collaborate with City of Ottawa and others

The Neighbourhoods Approach

The first step in developing and implementing ANY forest management plan is to understand the extent and condition of the urban forest in a community.

- Community-based urban forest inventory
- Residents learn to gather information about trees
- Developed for use by lay people
- U of T – proven, scientific method (Dr. Andrew Kenny)
- Consistent, comprehensive tree assessment
- Educational and community-building



Components

Species

Size

Location

Condition



Beaverbrook Tree Map

Beaverbrooke Neighbourhoods Urban Forest Inventory data as of Oct 2017 revised ...

Beaverbrooke Neighbourhoods Urban Forest Inventory to Oct 2017

Neighbourhoods by W.A. Kenney and D. Puric-Mladenovic - Edited on 2017 December 8

The screenshot displays a web application interface for a tree map. At the top, there is a menu bar with 'File', 'Edit', 'Tools', and 'Help'. Below the menu, there are controls for 'Rows 1', 'Cards 1', and a location selector 'Map of Latitude'. A 'Filter' dropdown shows 'No filters applied'. The main area is a map with 'Map' and 'Satellite' views. A popup window is open over a cluster of green tree markers on Pentland Crescent. The popup contains the following text:

Tree Name: A6
Description: Tree A6 is a Sugar Maple at 58 Pentland Crescent. The most recent assessment was in 11/07/2017. The tree is in good condition. It has a DBH of 51.2cm, a total height of 18m and a crown width of 8m. The area under the crown is 50% hard surface. Less than 1/4 of the crown volume has been removed. Its crown is slightly asymmetrical. There is a V-shaped union between a minor branch and the main stem but there is no evidence of included bark or failure. One or more minor scars (with a combined width 1/8 to 1/4 the circumference and no longer than 50 cm) are present on the stem. An obstruction exists which would eliminate root development in an area 1/4 to 1/2 of the area within the dripline of the tree.

The map shows streets including Beaverbrook Rd, Leacock Dr, Pentland Crescent, Knudson Dr, and Weslock Way. A Windows taskbar is visible at the bottom with icons for various applications.

How will the Data Be Used

- At the individual tree and aggregate level
- Consolidate results for analysis – diversity, health, gaps to fill, native species
- Enable homeowner actions – info, advice
- Optimize the value of trees: environmental, natural beauty, property value, economic
- Share data with the city

What Have We Learned

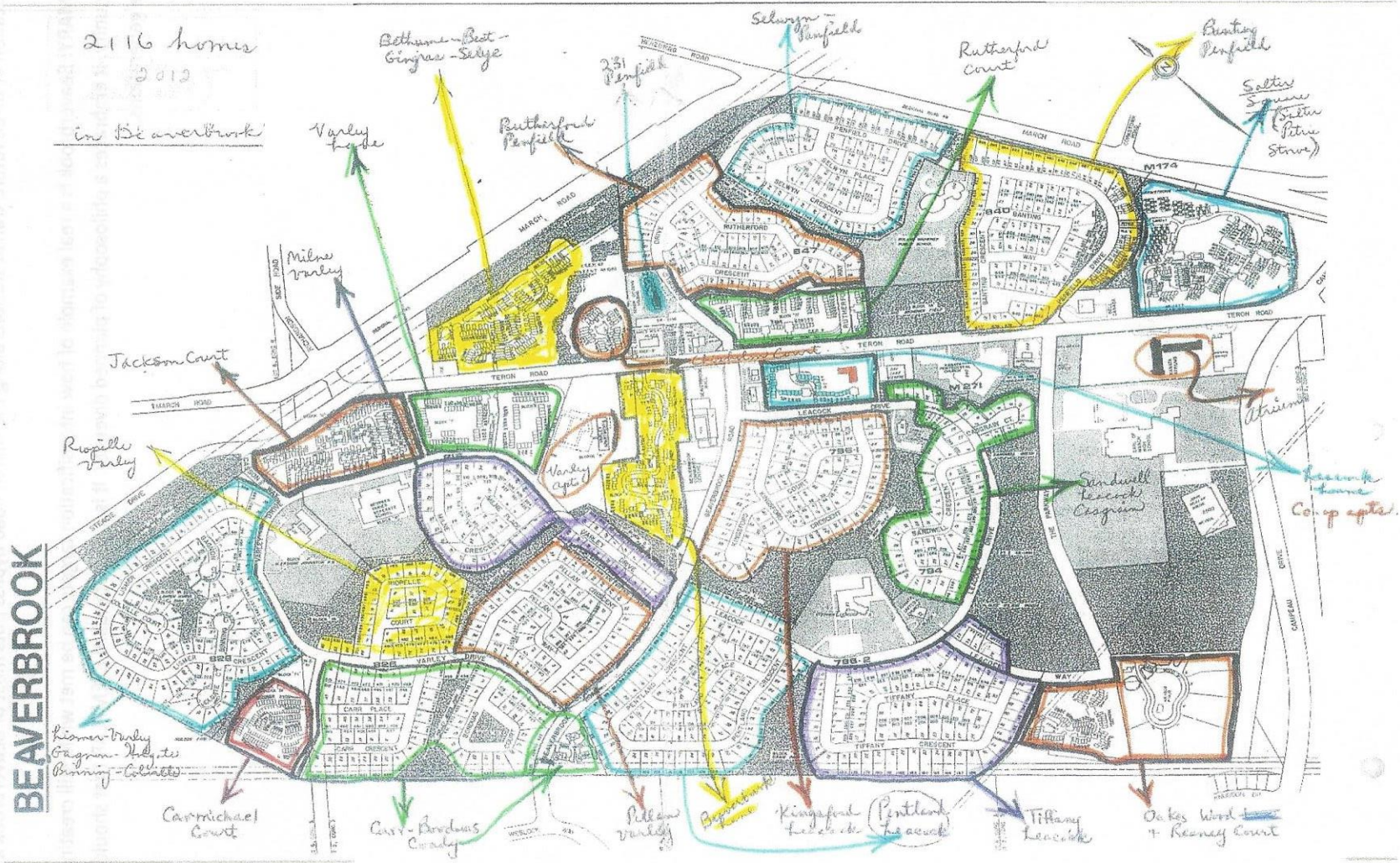
- Most trees were planted in the early days (60's)
- Many are mature
- We need more diversity of species
- Not enough younger, replacement trees
- Many trees need attention
- Front & side yard trees
- Residents are interested in the health of trees
- Multi-year volunteer project
- We need support from residents

Co-ordination With City

- City of Ottawa Urban Forest Management Plan was approved last year (20-year plan)
- City Forestry group manages trees on city property
- New city-wide initiative to create 'Neighbourhood Stewardship Plans' (Pilot)
 - Two Community Associations have led the way
 - Learn and replicate this work to other groups
 - Ottawa Stewardship Council & City of Ottawa

Suitable for stewardship, strategic planning and management

Beaverbrook Cluster Map



Next Steps

- **Neighbourhoods course June 9-10**
 - Saturday-Sunday
 - Hands-on training from experts
 - At the Beaverbrook Community Centre
 - No charge for Beaverbrook residents
- Small teams to do inventory work over the summer, cluster by cluster
- We need volunteers to help with their streets (team of 3 to do a street in 2 weeks)
- Contact us at: info@kanatabeaverbrook.ca