ARBORICULTURE & URBAN FORESTRY
*supplemental content (*Almas and Conway 2018*)*

Supplemental Content:
- appendix; Native Trees and Urban Forest Survey (5 pages).

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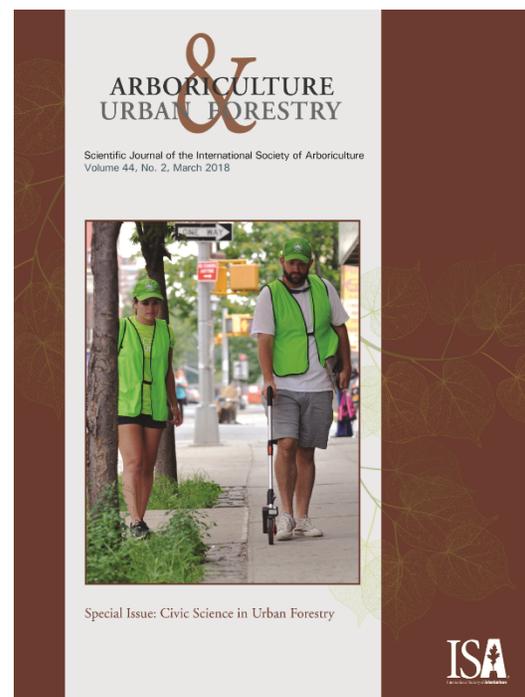
PLEASE START SURVEY HERE   **2000**

Definition: In this survey we define a **tree** as a woody perennial plant, having <u>trunk greater than 10 cm (4 inches) in diameter</u>. **Native species** are defined as a species that <u>occurs naturally within a region</u>, either evolving there or arriving and becoming established without human assistance.

Part I. Trees on Your Property

1. Using the above definition of a tree, how many trees are on your property and the municipally-owned boulevard in front of your house? _____

2. How many *native trees* are on your property and the City owned boulevard in front of your house? (Write DO NOT KNOW if you are unsure) _____

3. Do you have one or more municipally owned trees in front of your house?   YES_____   NO_____   DO NOT KNOW_____

4 (a). If yes, did you choose the species of tree(s) the municipality planted in front of your house?   YES_____   NO_____

4 (b). If yes, please check all factors that influenced your choice of tree species?

_____Nativeness

_____Size

_____Shape

_____Lack of maintenance (not "messy")

_____Aesthetic

_____Limited selection provided by the municipality

_____Other:_____

5. How many trees have you <u>planted</u> in your yard in:

The past year? _____

The last five years? _____

Since moving to your current house? _____

7. How many trees in your yard have you <u>removed</u> in:

The past year? _____

The last five years? _____

Since moving to your current house? _____

6. Please state any specific reasons for <u>planting</u> these trees

_____

_____

8. Please state any specific reasons for <u>removing</u> these trees

_____

_____

9. I have knowingly planted a native tree on my property.   YES_____   NO_____

10. I plan on planting (a) tree(s) on my property within the next three years.   YES____   NO____   MAYBE_____

11. I plan on planting (a) native tree(s) on my property within the next three years.   YES   NO   MAYBE

Part II. Knowledge and Attitudes about Native Species

12. Please indicate to the best of your knowledge, which of the following trees are **native to southern Ontario**:

Tree Species	Native	Non-native	Do not Know
1. Norway Maple	_____	_____	_____
2. Red Oak	_____	_____	_____
3. Sugar Maple	_____	_____	_____
4. Little Leaf Linden	_____	_____	_____
5. Sycamore	_____	_____	_____
6. Katsura	_____	_____	_____
7. Green Ash	_____	_____	_____
8. Gingko	_____	_____	_____
9. Tulip Tree	_____	_____	_____
10. Northern Catalpa	_____	_____	_____
11. Black Walnut	_____	_____	_____
12. Ivory-Silk Lilac	_____	_____	_____

13. Rank the top three (number 1 to 3) factors you would consider if you were going to plant a tree in your yard.

____ Ability to provide shade in yard or garden   ____ Ability to provide oxygen

____ Ability to provide food and shelter for animals   ____ Creates a calming effect

____ If it is a native tree   ____ Increases property value

____ Tree suits the aesthetic of your home   ____ Reduces noise or sight lines

____ Age span of tree   ____ Avoids hazards (dead limbs, large fruit)

____ Size and shape   ____Other:_____

____ Maintenance requirements   ____ Do not want trees in my yard

Part III. Urban Forest Management Plan

14. Are you aware that your municipality has an Urban Forest Management Plan?   YES_____   NO_____

     If yes, how did you learn about it? _____

_____

15. Are you aware that your municipality lies within the Carolinian Forest ecozone?   YES_____   NO_____

     If yes, how did you learn about it? _____

_____

16. Have you heard of assisted migration (planting trees native to a warmer climate, in anticipation of rapid climate change)?

YES_____   NO_____

If yes, how did you learn about it? _____

_____

17. Do you believe that native tree species are more beneficial than non-native tree species in <u>urban</u> areas?

YES____   NO____   MAYBE_____

Please explain your reasoning for this:_____

_____

18. Have you ever read any of your municipality's Urban Forest Management Plan?   YES_____   NO_____

19. Have you ever planted a tree with the goals of the Urban Forest Management Plan in mind?   YES_____   NO_____

20. Have you participated in any of the following activities related to urban forestry in your municipality (please check all that apply):

_____Participated in a municipal or Non-Governmental Organization planting activity

_____Attended a municipal or community meeting

_____Contacted your city councillor or city staff about an urban forestry issue

_____Other: _____

Part IV. Level of Support for Native Species

21. Please indicate <u>your level of support</u> for the following:

Individuals	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
Nativeness does not factor into my tree planting decision making					
When my neighbours plant trees, I hope they are planting native trees					
Given the choice between two trees with similar attributes, I would choose the native tree over the non-native tree					
I prefer native trees to non-native trees					
If given the choice, I would prefer a native <u>street</u> tree to a non-native <u>street</u> tree in front of my house					

22 (a). Please indicate <u>your level of support</u> for the following:

Municipal Actions	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
The city should plant more <u>native</u> trees					
Homeowners should plant more <u>native</u> trees					
The city should plant more <u>non-native</u> trees					
The city does not need to plant more trees than they already do					
Homeowners do not need to plant more trees than they already do					
Only native trees that grow well in urban conditions should be planted by the municipality					

23 (b). Please indicate <u>your level of support</u> for the following:

Municipal Goals	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
It is the responsibility of municipalities to maintain their natural heritage					
All varieties of native trees should be planted by the municipality, even if this leads to greater hazards and/or maintenance costs					
I believe my municipality has effectively communicated the goals of its Urban Forest Management Plan					
Certain native trees should not be planted as street trees because of the hazards they pose to the public and/or the extra tax dollars required for their maintenance					
Assisted migration should be practiced in Ontario to mitigate the long-term impacts of climate change on tree species					

Part V. Household Demographics

Please answer the following questions about **you and your household**.

24. What is your age? _____

25. What is your gender? _____

26. What is the highest education level you have attained?
       No certificate, diploma or degree
       High school certificate or equivalent
       Apprenticeship, College, CEGEP or other non-
          university certificate or diploma
       University Bachelors degree
       Masters or Doctorate degree

27. Please indicate your ethnic origin(s). Check all that apply.
       British Isles
       European
       South Asian
       East & Southeast Asian
       Caribbean
       Other: _____

28. Please indicate where you were born:
       London
       Ontario, but not London
       Canada, but not Ontario
       Outside Canada, please write
             Country: _____

29. How long have you lived at your current address?
       1 year or less
       2 to 4 years
       5 to 9 years
       10 to 14 years
       15 to 19 years
       20 or more years

30. Do you or someone in your household own your house?
       No
       Yes

31. Please indicate your type of house.
       Detached
       Semi-detached
       Row house
       Other: _____

32. What is your annual household income, in dollars?
       0 to 29,000
       30,000 to 59,000
       60,000 to 89,000
       90,000 to 119,000
       120,000 to 149,000
       150,000 to 179,000
       Over 180,000

33. How many adults 65 and over are in your household?
       0
       1
       2
       3
       4 or more

34. How many adults 45 to 64 are in your household?
       0
       1
       2
       3
       4 or more

35. How many adults 18 to 44 are in your household?
       0
       1
       2
       3
       4 or more

36. How many children (< 18 years) are in your household?
       0
       1
       2
       3
       4 or more

Thank you for completing the survey. Please return the survey in the pre-stamped envelope.

If you would like a summary of the study sent to you at the end of the project, please provide your email address. A summary will also be posted at: http://geog.utm.utoronto.ca/almas

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