

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

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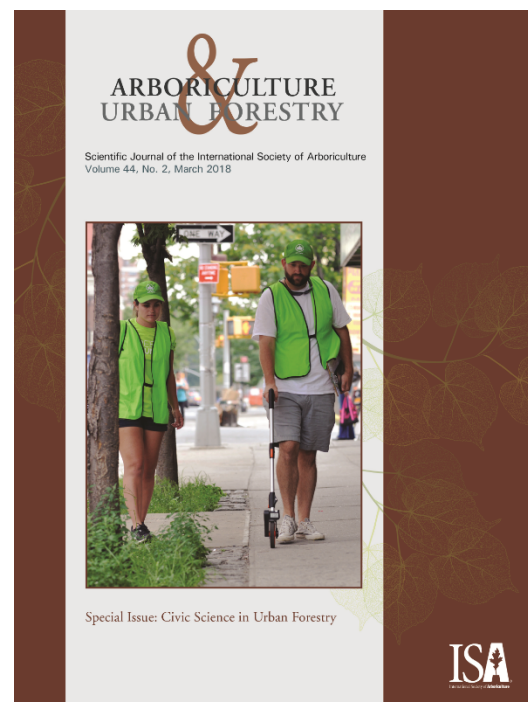
Almas, A., and T. Conway. 2018. Resident Attitudes and Actions Toward Native Tree Species: A Case Study of Residents in Four Southern Ontario Municipalities. *Arboriculture & Urban Forestry* 44(2):101–115.

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 trunk greater than 10 cm (4 inches) in diameter. **Native species** are defined as a species that occurs naturally within a region, 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 planted 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 removed in:
 - The past year? _____
 - The last five years? _____
 - Since moving to your current house? _____
6. Please state any specific reasons for planting these trees
 - _____
 - _____
8. Please state any specific reasons for removing 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**:

<u>Tree Species</u>	<u>Native</u>	<u>Non-native</u>	<u>Do not Know</u>
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 urban 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 your level of support 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 your level of support 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 your level of support 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>
