

Long Branch Neighbourhoods Inventory

2018-2020 Analysis

Nicole Bitter



Top “30” Species – 50% of properties inventoried

1 eastern white cedar
2 Norway maple
3 white spruce
4 silver maple
5 Manitoba maple
6 choke cherry
7 green ash*
8 Colorado spruce
9 Japanese maple
10 red oak

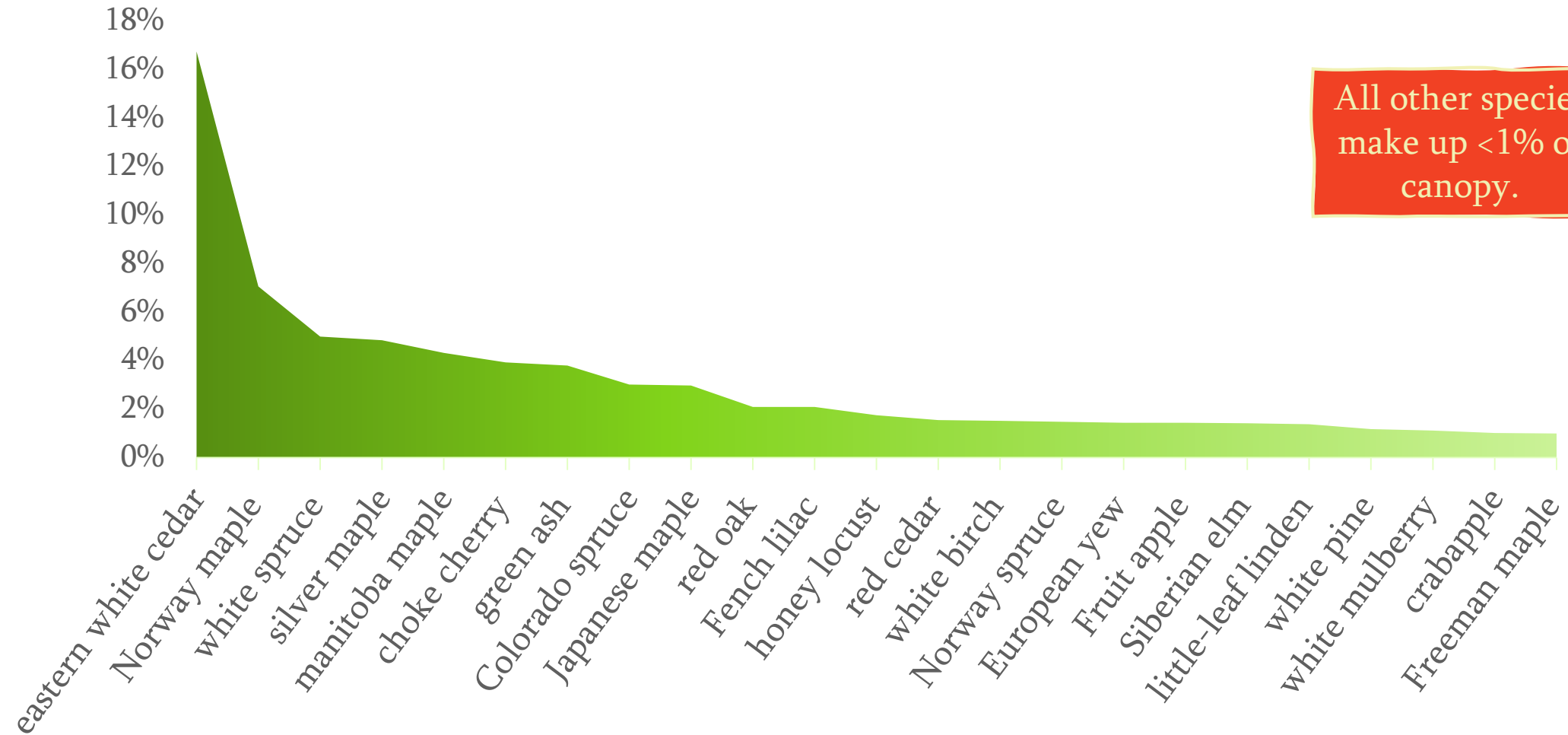
11 French lilac
12 honey locust
13 red cedar
14 white birch
15 Norway spruce
16 European yew
17 Fruit apple
18 Siberian elm
19 little-leaf linden
20 white pine

21 white mulberry
22 crabapple
23 Freeman maple
24 red maple
25 ginkgo
26 sugar maple
27 black walnut
28 balsam fir
29 common pear
30 European beech
31 black locust
32 sweet cherry

} Last three
species had
50 trees each

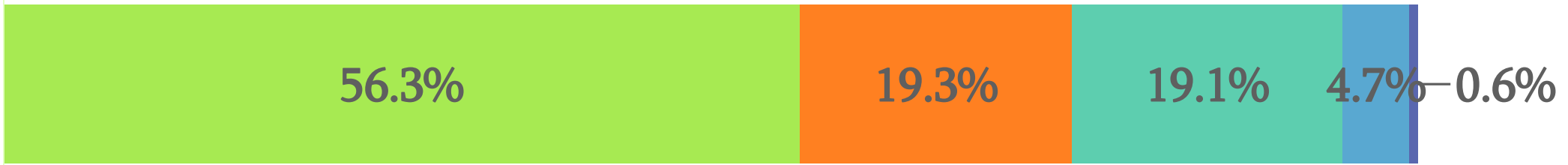
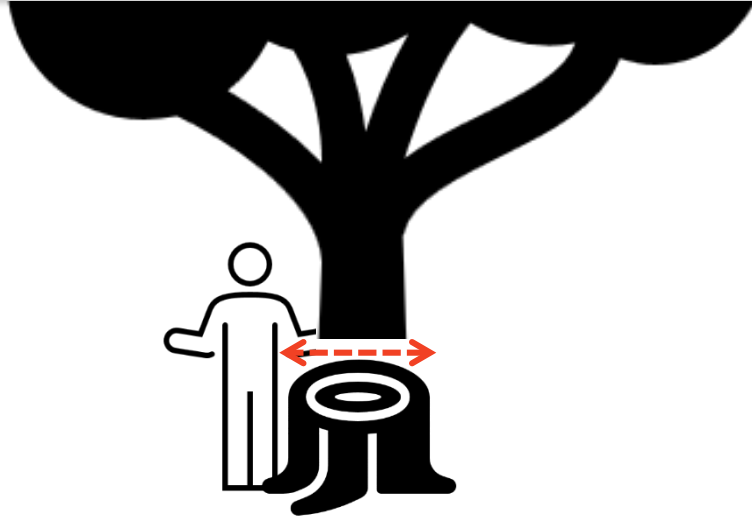
*Green Ash should be higher on the list, but due to inaccurate identification of ash species the analysis does not show this.

Top Species: Percentage of Total Trees



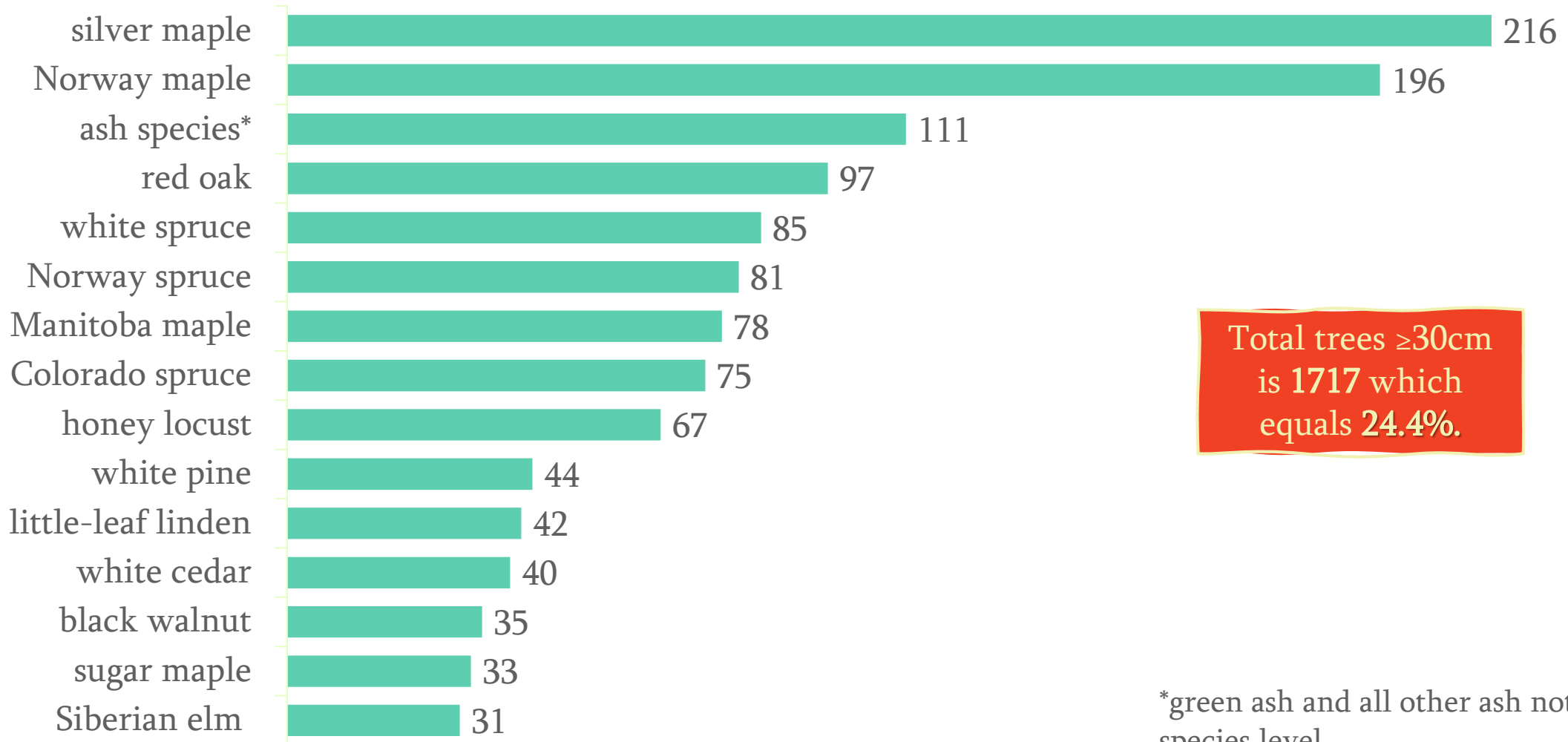
DBH – diameter at
breast-height (1.3m)

Long Branch Urban Forest – DBH



■ <15cm ■ 15-30cm ■ 30-70cm ■ 70-120cm ■ >120cm

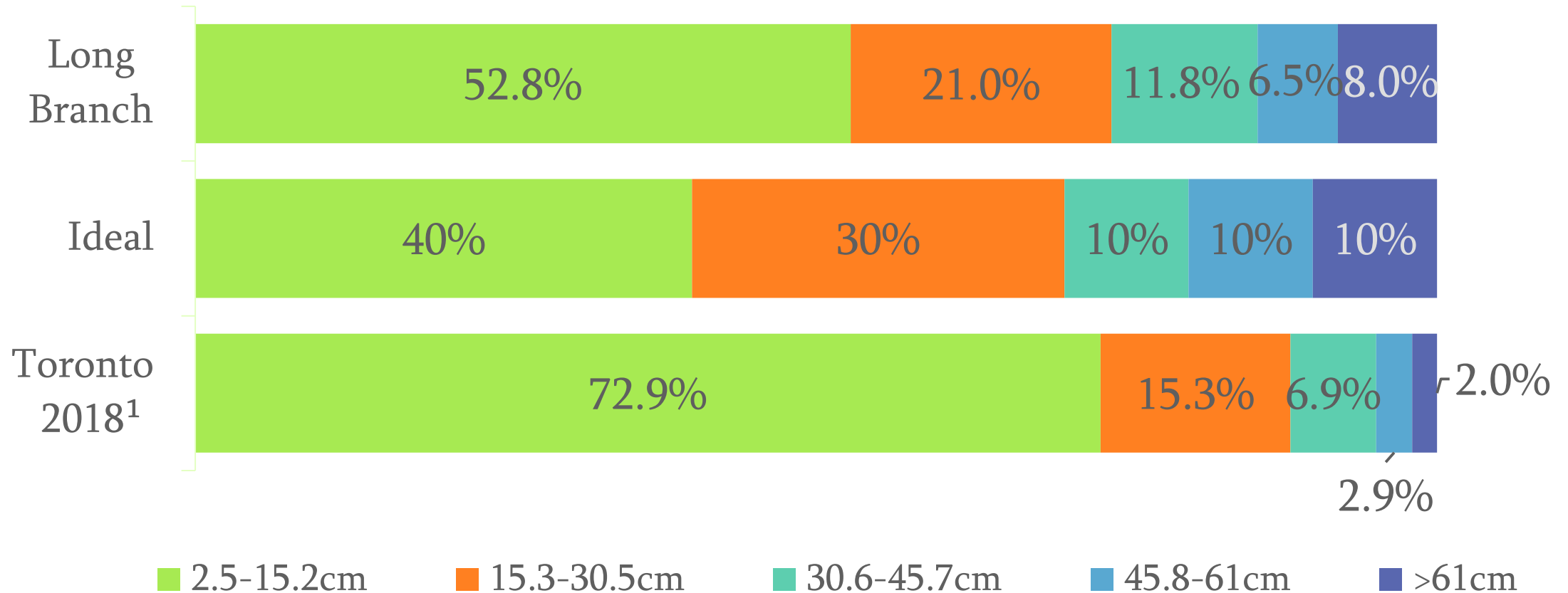
Number of Trees $\geq 30\text{cm}$ DBH – Top 15



Total trees $\geq 30\text{cm}$
is 1717 which
equals 24.4%.

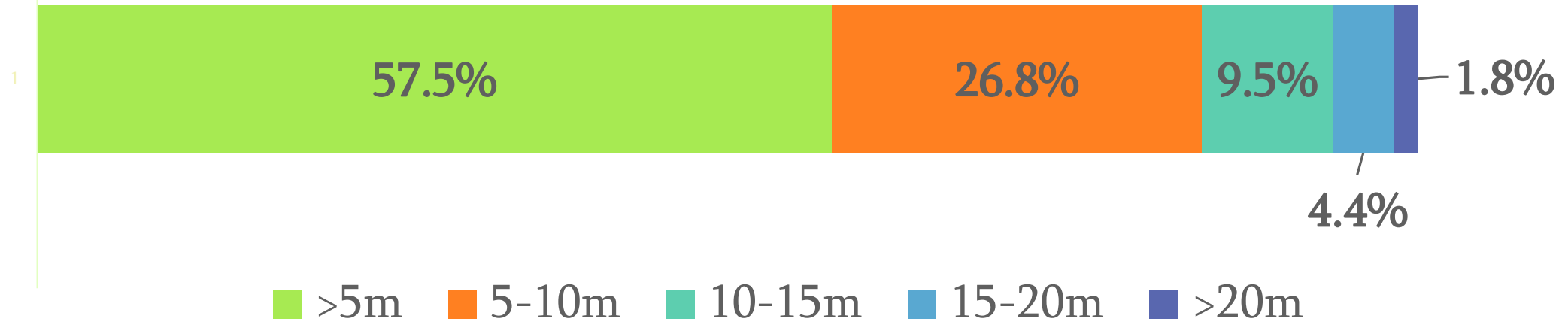
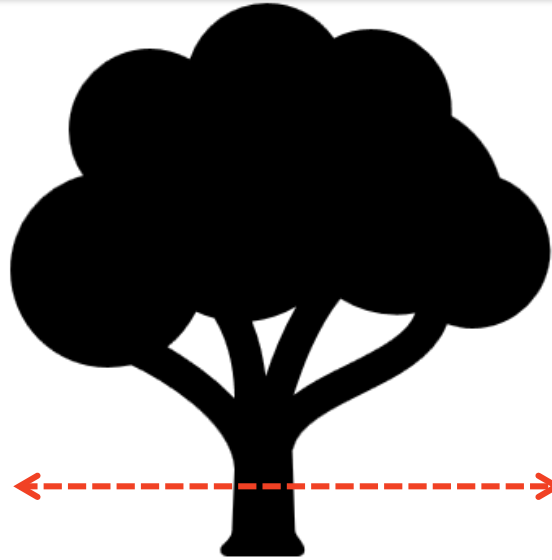
*green ash and all other ash not identified to species level

Long Branch Urban Forest (DBH) vs. Ideal vs. Toronto 2018

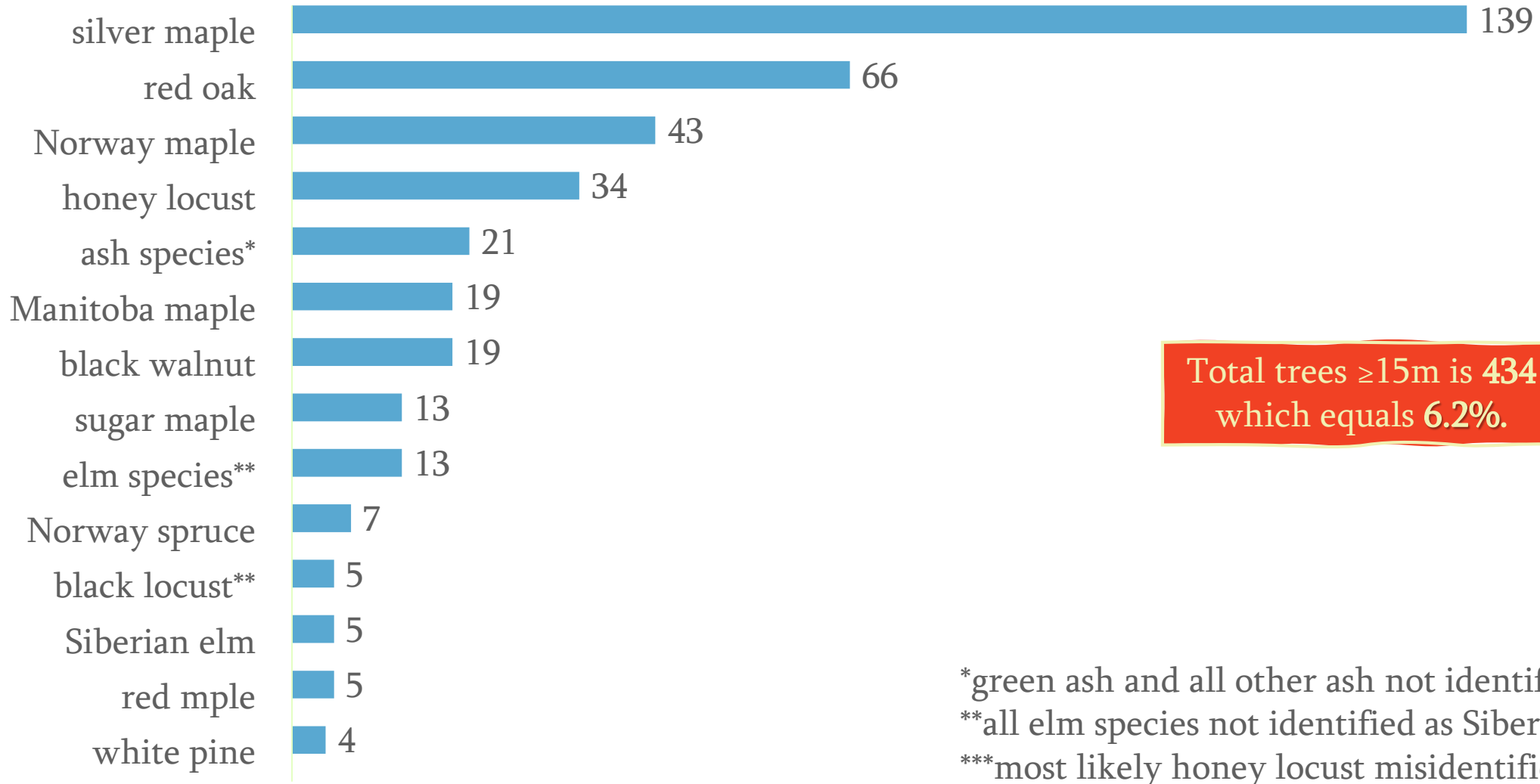


¹ City of Toronto. (2019). CanopyTO. Retrieved from <https://www.toronto.ca/legdocs/mmis/2020/ie/bgrd/backgroundfile-141367.pdf>

Long Branch Urban Forest – Canopy Width



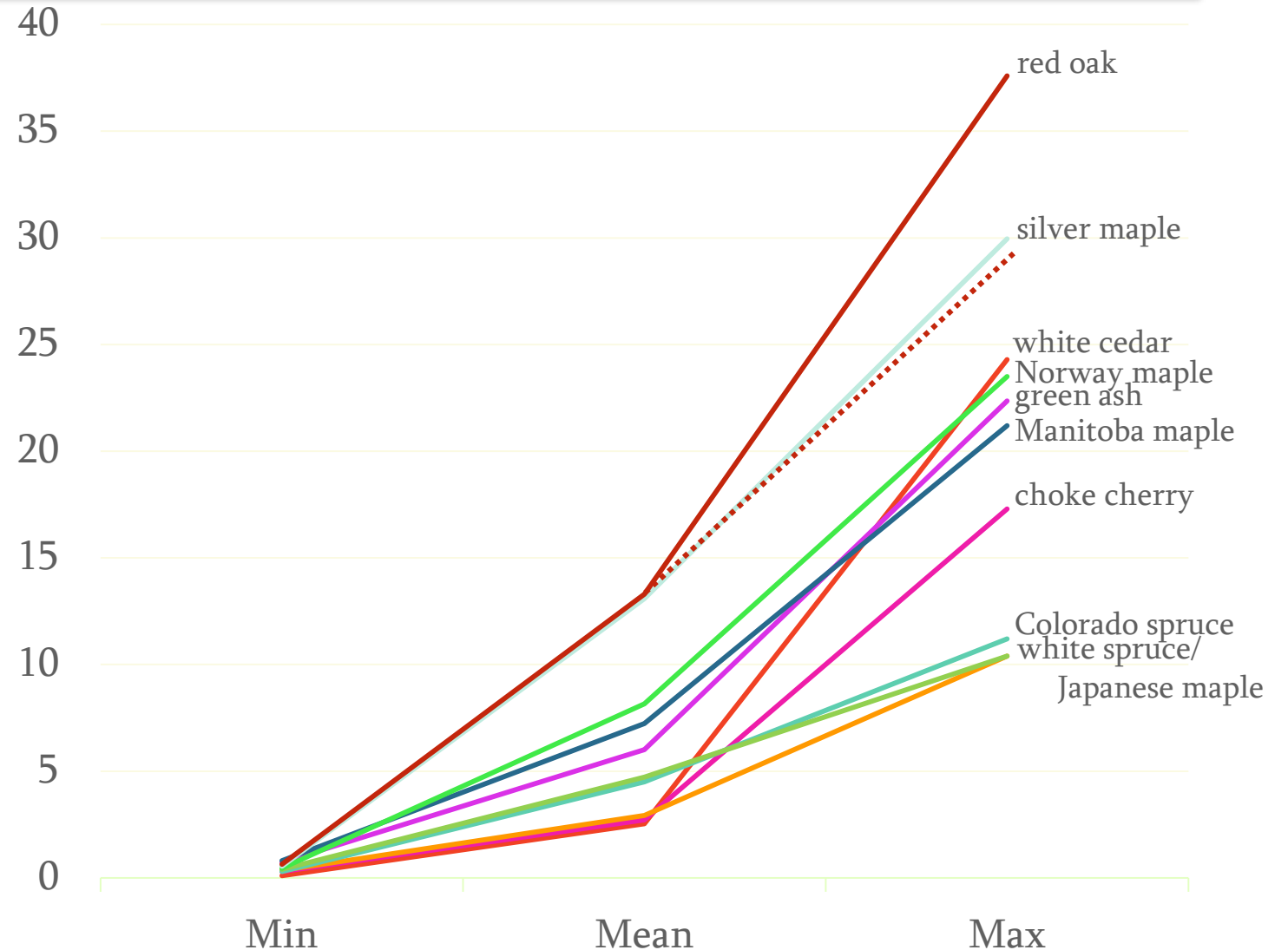
Top Species with Canopy Width $\geq 15\text{m}$



Canopy Width of Top 10 Species

	Species	Min	Mean	Max
1	eastern white cedar	0.1	2.54	24.3
2	Norway maple	0.45	8.16	23.5
3	white spruce	0.4	4.73	10.4
4	silver maple	0.55	13.08	29.95
5	Manitoba maple	0.8	7.23	21.2
6	choke cherry	0.3	2.72	17.3
7	green ash	0.73	6.02	22.35
8	Colorado spruce	0.3	4.50	11.2
9	Japanese maple	0.35	2.93	10.4
10	red oak	0.64	13.29	37.6* 28.4

*37.6m was an anomaly for a single red oak, the next closest canopy was 28.4m.



Thank you

- Long Branch Neighbourhood Association
 - Judy Gibson – Vice Chair
- University of Toronto Forestry
 - Dr. Danijela Puric-Mladenovic – Associate Professor
 - Katherine Baird – Research Associate
- Inventory Teams:
 - 2018 (Henry Lavallee and Nathalie Zahrebeiny with support from Tashy Davidson and Michelle Sarmiento)
 - 2019 (Jacqueline De Santis, Nicole Bitter, Sarah Heitz, Christian Nario, Michelle Sarmiento and Lucas Udvarnoky)
 - 2020 (Nicole Bitter, Savannah Bein, Evan Udvarnoky and Lucas Udvarnoky)