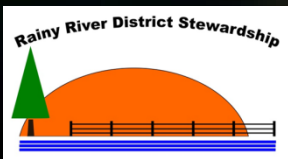


The Cultural Heritage Tree Project



Rainy River District Stewardship
11 February 2018
Tony Elders & Jeremy Hughes

An inventory
A website
A labelled tree tour

Who We Are?



What We Do?

Definition of Stewardship:

“An ethic in which humans care for the land as part of the natural system. Environmental stewardship is about making a personal commitment to sustain and enhance ecosystems for future generations.”

Mission Statement:

To advance-the responsible care of Nature in Rainy River District for benefits now and in the future.

Goals

Engage our communities in environmental stewardship projects

Develop purposeful, strong networks and partnerships

Empower the youth of Rainy River District to become leaders in environmental stewardship amongst their peers and for future generations

Increase natural awareness through outreach

Provide a forum to discuss environmental issues and develop community-based solutions



The cultural heritage tree project

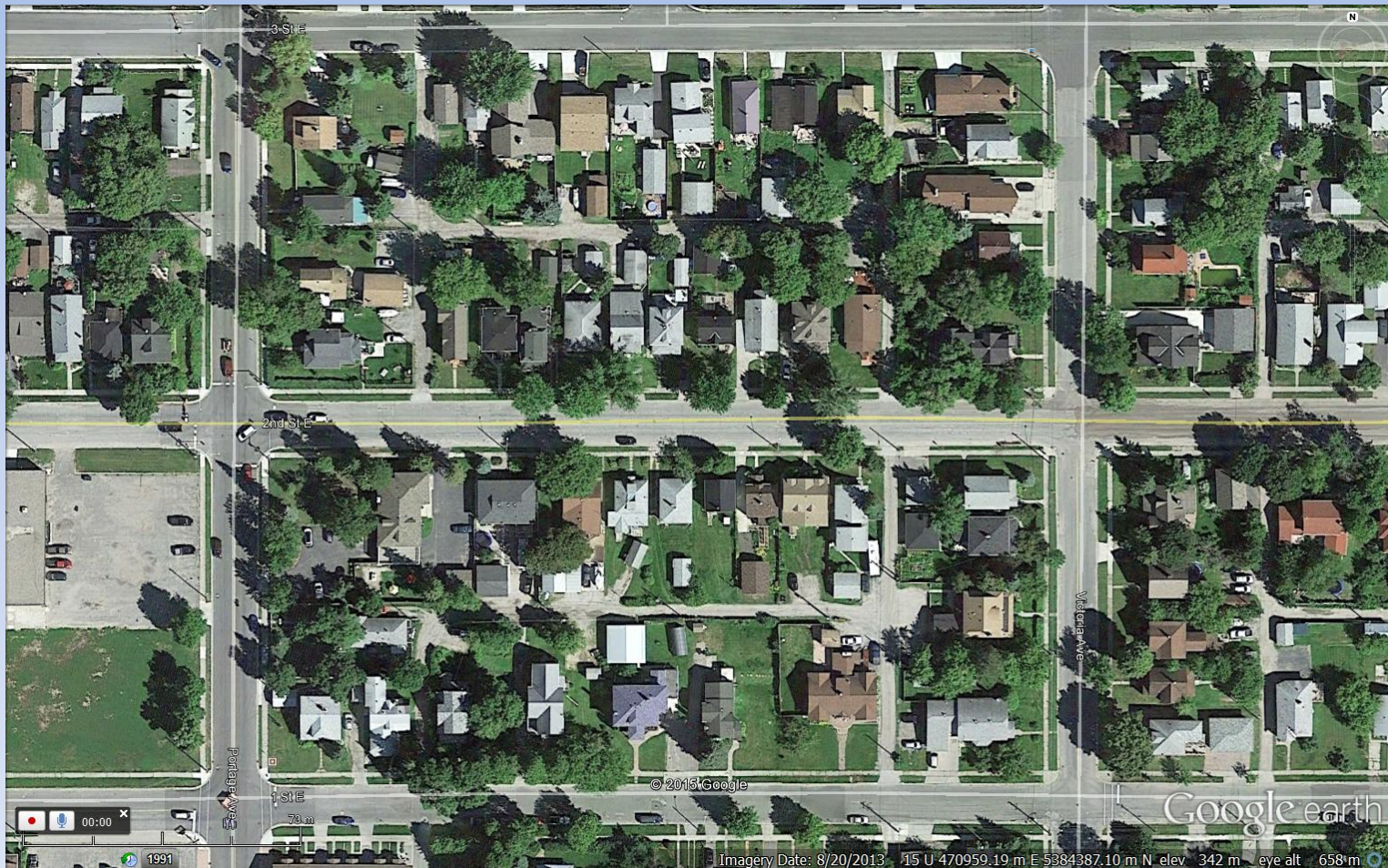
Partners

Rainy River District Stewardship
Town of Fort Frances
FF High School
Ministry of Natural Resources and Forestry
NW Health Unit
FF Library & Technology Center
Rainy Lake Conservancy
And others....

The Cultural Heritage Tree Project

- Many beautiful mature native trees on municipal land
- Raise awareness and educate
- To inventory and map trees along the active transportation plan routes on municipal land
- Label a few trees with a small sign
- Partner with town, high school, MNR, health unit and others

Aerial view of 2nd Street

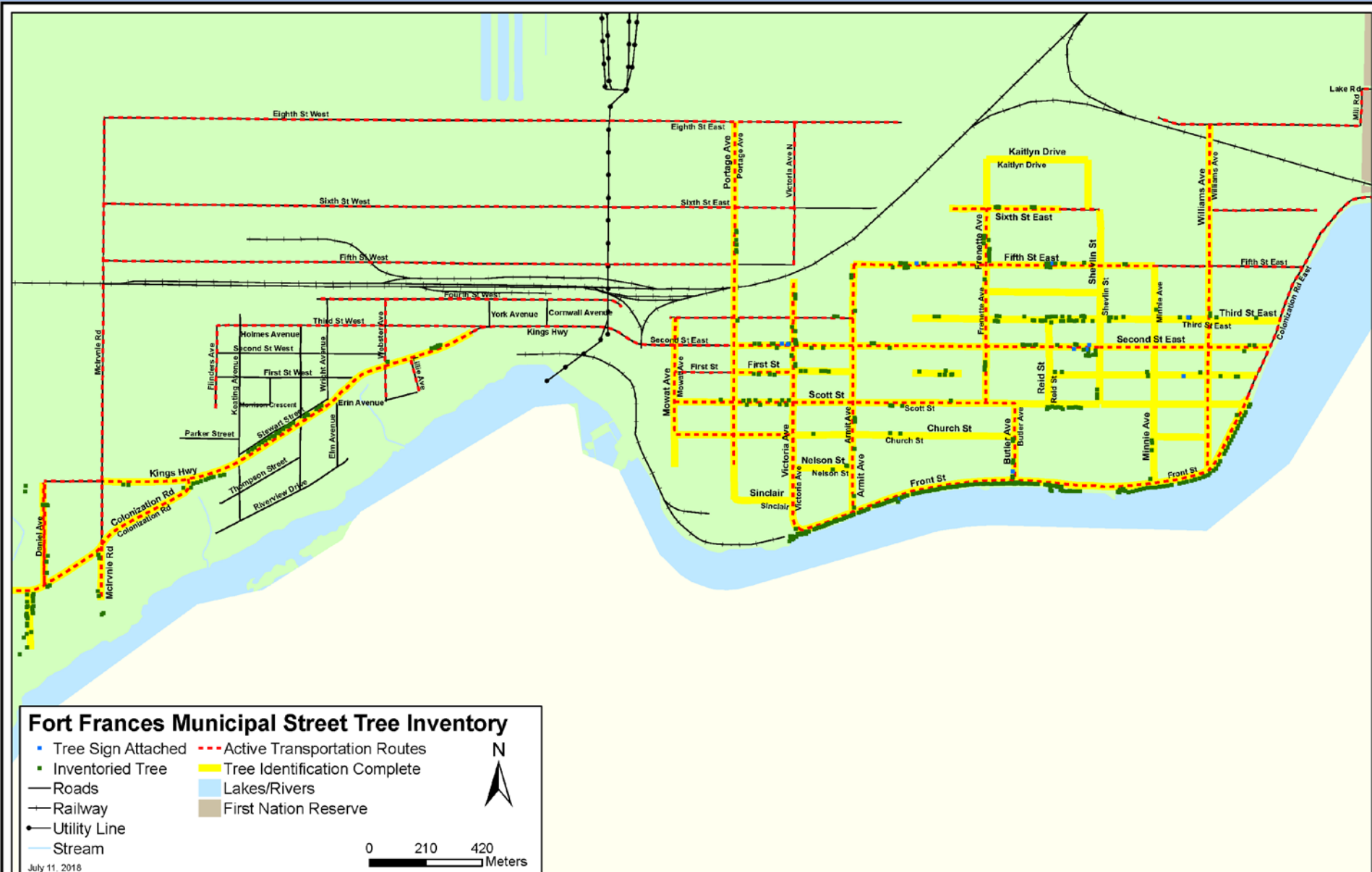


This is what we are doing

- Identify land ownership and trees
- Map locations
- Measure tree diameter, height, % crown, condition, crown size, distance to buildings...



The Map





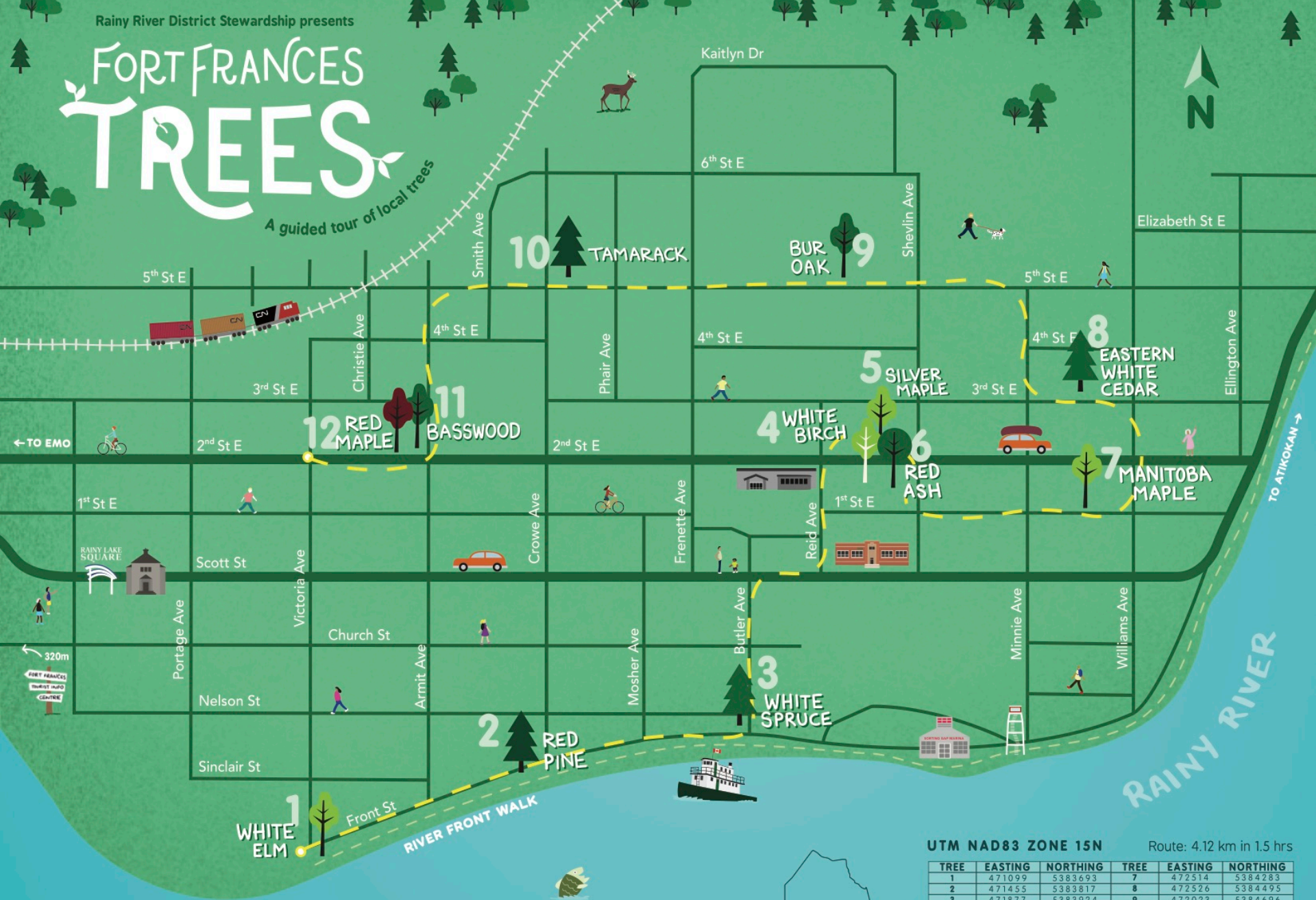
White Elm
Ulmus americana
aniib



rrds.ca

FORT FRANCES TREES

A guided tour of local trees



UTM NAD83 ZONE 15N

Route: 4.12 km in 1.5 hrs

| TREE | EASTING | NORTHING | TREE | EASTING | NORTHING |
|------|---------|----------|------|---------|----------|
| 1 | 471099 | 5383693 | 7 | 472514 | 5384283 |
| 2 | 471455 | 5383817 | 8 | 472526 | 5384495 |
| 3 | 471877 | 5383924 | 9 | 472023 | 5384696 |
| 4 | 472101 | 5384378 | 10 | 471515 | 5384693 |
| 5 | 472163 | 5384387 | 11 | 471039 | 5384396 |
| 6 | 472149 | 5384376 | 12 | 471015 | 5384397 |

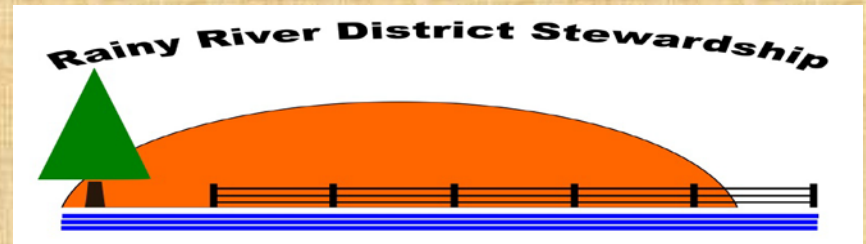
0 500m

See more at www.rrds.ca/trees

April 2018



A Project Report



The Cultural Heritage Tree Project Final Report



Project Lead: Tony Elders
September, 2018

An Interactive Website

www.rrds.ca/trees



Annual Ecological Benefits to Fort Frances of

527 Trees

| | | |
|--------------------------------------|-------------|---------|
| • Storm water intercepted each year: | 347,500 L | \$808 |
| • Energy conserved each year: | 6,648 kWh | \$499 |
| | 120,000 BTU | \$1,254 |
| • Air pollutants removed each year: | | \$344 |
| • Carbon dioxide reduced each year: | 4,988 kg | \$573 |
| Total Annual Benefits | | \$3,449 |

Benefits and values are calculated using a model provided by the U.S. Forest Service.

Recommendations

- Develop a tree strategy for municipal lands. This could include a target for tree cover, areas where trees could be planted (and areas not to plant), and a multi-year planting plan to achieve the planting target.
- Consider what species are to be planted to maximize tree benefits in terms of energy, storm water runoff, pollution abatement, and carbon sequestration.
- Consider a periodic planting regime that will allow trees to develop at different heights and ages to be both economical and resistant to periodic insect and disease infestation.
- Consider a municipally sponsored program to have residents “adopt”, sponsor and care for trees planted on boulevards and municipal lands as they have in the past.
- Plant trees native to the region over foreign imports.
- Encourage participation in tree programs by community groups (RRDS, Lions Club etc).
- Protect town trees from bark damage caused by workers using weed eaters and lawnmowers, especially when the trees are young.
- Investigate the iTree program for other municipal uses.



The End.....
or
the Beginning?