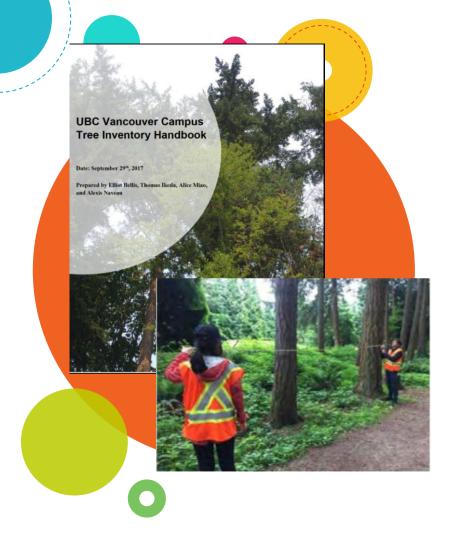






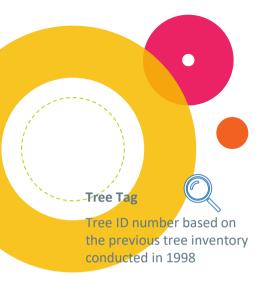
Provide insight of the urban forest condition on Main Mall. The data can help to inform the development of UBC's Urban Forest Management Plan!



Prior Research

The UBC Student Tree Inventory Team

- Inventories trees in the Stadium Neighbourhood
- Developed a protocol for conducting tree inventories at UBC



How Did I Inventory?

GPS Coordinates



The longitude and latitude of each tree found using the Avenza Maps[™] application on an android device

DBH (mm) |



Diameter of the trunk measured at approximately 1.3m from the base of the tree using D-tape

Groundcover



Visual estimate of percent vegetation cover within 1m from all sides of the tree

Crown Width (m)



Tree Height (m)

The Nikon Laser Rangefinder Forestry Pro was used to measure tree height



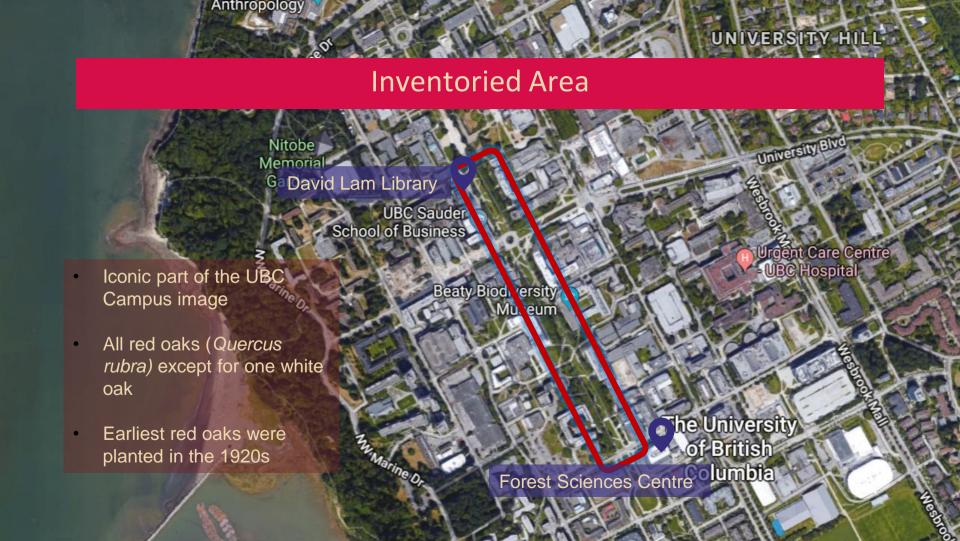
Crown Height (m)

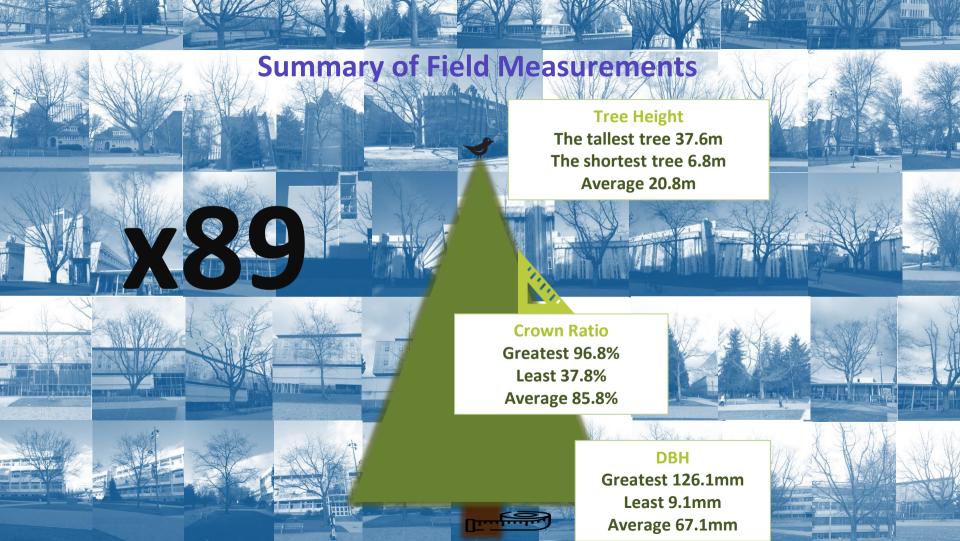
The Nikon Laser Rangefinder Forestry Pro was used to measure crown height. The height is measured from the top of the tree to the lowest branch

Probability of Failure

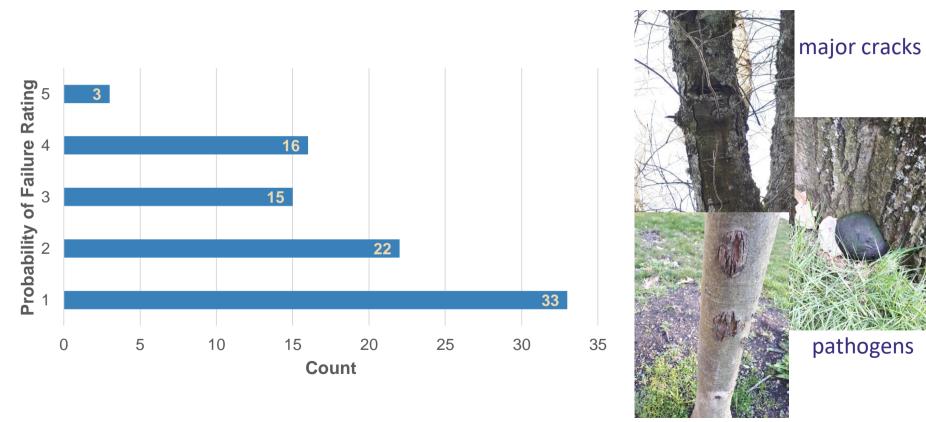


Likelihood that a tree will fail or die. The 5 level rating system follows the tree risk assessment that was done by last year's tree inventory team. The rating system is based off of ISA's Tree Heath and Risk Assessment





Number of trees in each probability of failure class



mechanical damage



Recommendations



- 2. Maintain good communication with utility vehicles operators, arborists, contractors
- 3. Apply mulch trade offs
- 4. Fertilize depending on soil/foliar analysis
- 5. Prune broken/split branches hanging over benches and walkways

Special Thank You...

Owen Croy

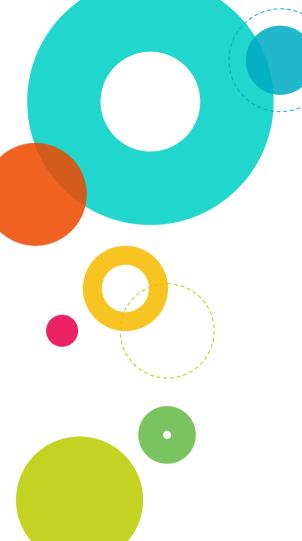
Zach Wirtz

Dr. Sheppard

Dr. Konijnendijk and Sara Barron

UBC SEEDS

Michael Pang



References

Lilly, Sharon J., and Peggy Currid. *Arborists' Certification Study Guide*. International Society of Arboriculture, 2010.

UBC Campus and Community Planning. "The Red Oaks of Main Mall." The Red Oaks of Main Mall, The University of British Columbia, 2017, planning.ubc.ca/vancouver/planning/policies-plans/trees/red-oaks-main-mall.

Photos by Jane Ho