Winnipeg Tree Inventory and At-Risk Species

Ten Most Common Tree Species by Common Name

Green Ash	28.6%
American Elm	18.8%
Linden Species	8.4%
Siberian Elm	6.5%
Bur Oak	5.5%
Manitoba Maple	4.8%
Black Ash	3.3%
Colorado Blue Spruce	3.2%
Poplar Species	2.5%
White Spruce	2.4%
All Other Species	15.9%
	100%

Notes on Data

This map uses data from the City of Winnipeg's Tree Inventory. The City of Winnipeg's Tree Inventory provides a detailed sampling of trees located on public land within the city. However, the available data is not a complete inventory of all trees in Winnipeg, but is limited to trees selected and recorded by the City of Winnipeg.

Currently, 305,000 trees are detailed in the Tree Inventory, out of an estimated tree canopy of eight million. The Inventory does not include trees located on private property, and excludes most trees along river-banks, or within Assiniboine Park or Assiniboine Forest. The inventoried trees occur primarily on city streets (boulevards) and in smaller public parks. The Public Works Department estimates that there are approximately 280,000 trees located on boulevards across the city. The Tree Inventory details 210,000 trees on boulevards, and 95,000 trees in parks.

This map is generated at a large size and high contrast, is best viewed on-screen, and is not intended for print.

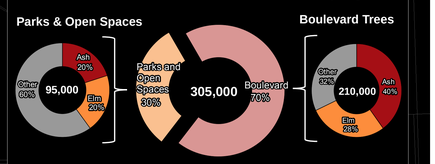
Data: City of Winnipeg 2017, Data.Winnipeg.ca/Parks/Tree-Inventory/hfwk-jp4h
Source: City of Winnipeg Public Works, Urban Forestry Branch, 2017. "Winnipeg Tree Facts". Information Brochure

Emerald Ash Borer Beetle and Dutch Elm Disease

The Emerald Ash Borer (EAB) is an invasive species which infests and kills species of ash trees. This insect is responsible for the destruction of millions of trees across North America. The EAB has recently been detected within the City of Winnipeg. Along with the ongoing efforts against Dutch Elm Disease the City of Winnipeg is faced with a rising challenge to protect its trees. This map uses the City of Winnipeg's Tree Inventory to show the ten most common tree species, and highlight the percentage of trees which are at risk due to the Emerald Ash Borer and Dutch Elm Disease.

Sources:
Government of Canada Canadian Food Inspection Agency, 2017, "Emerald Ash Borer – Agrilus planipennis" Plant Pests /
City of Winnipeg Public Works, Urban Forestry Branch, 2017. "Emeral Ash Borer (EAB)."
City of Winnipeg Public Works, Insect Control Branch, 2017. "Dutch Elm Disease"

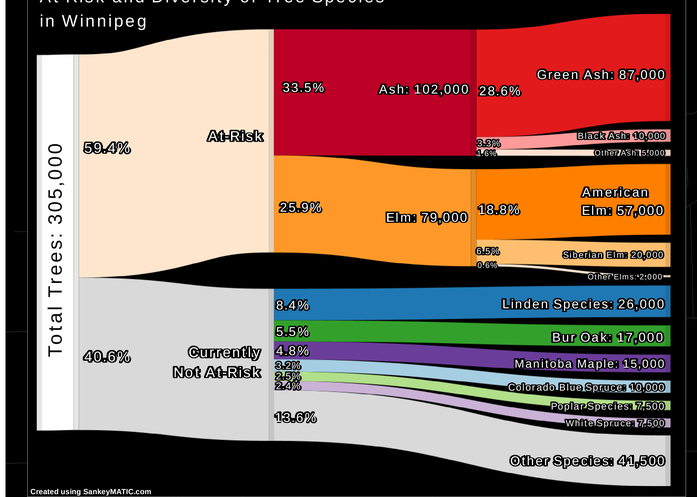
Location of At-Risk Trees in Winnipeg



Average Diameter of Common Trees

Based on measurements at breast height

At-Risk and Diversity of Tree Species in Winnipeg



Created using SankeyMATIC.com

0 1 2 4 6 8 10 Kilometers

N

THE UNIVERSITY OF WINNIPEG
INSTITUTE OF URBAN STUDIES

Data: City of Winnipeg 2017, Canadian Forest Service 2017
Projection: NAD 1983 UTM Z 14N

Map: Ryan L. Shirtliffe
Date: Dec 2017