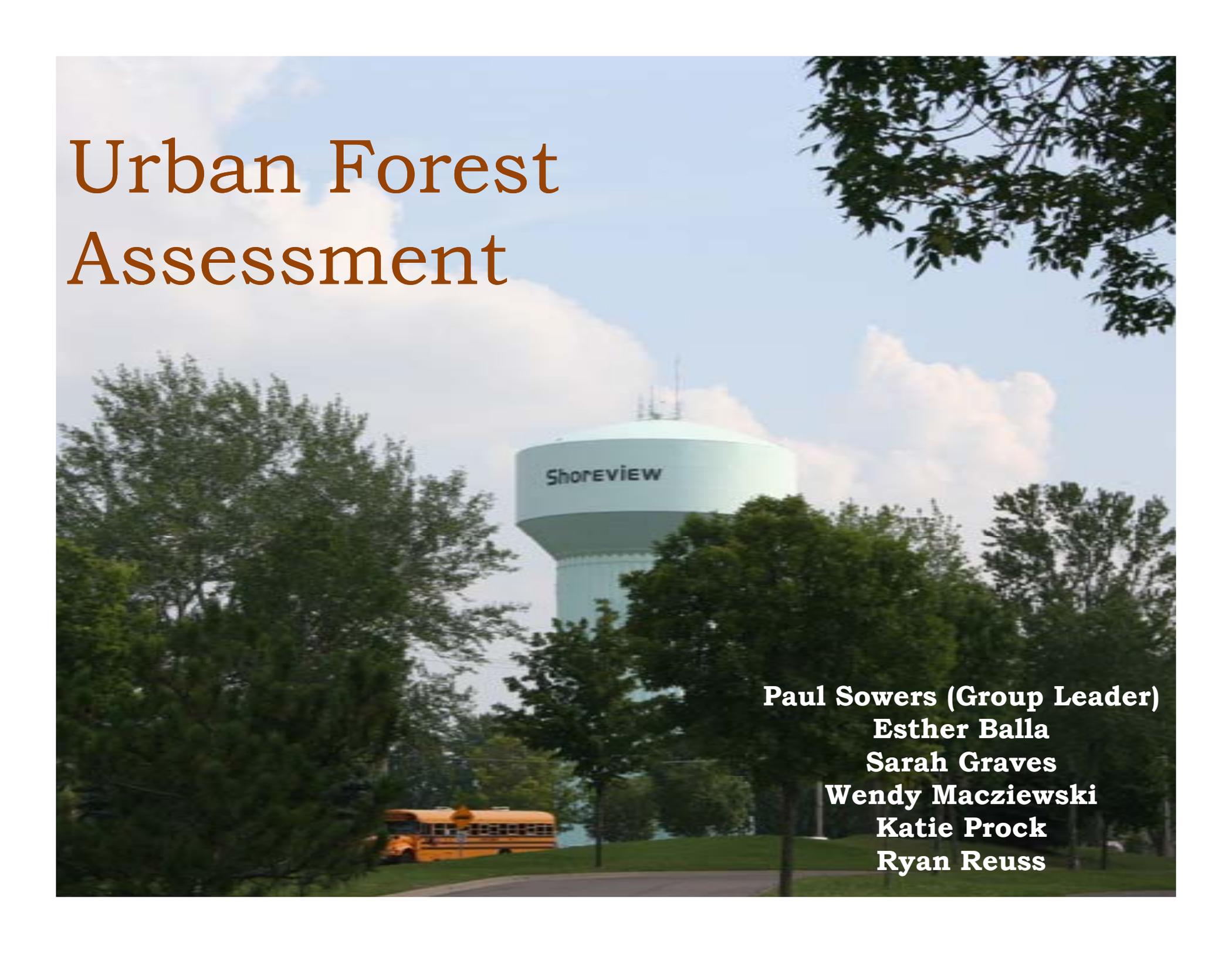


Urban Forest Assessment



Paul Sowers (Group Leader)

Esther Balla

Sarah Graves

Wendy Macziewski

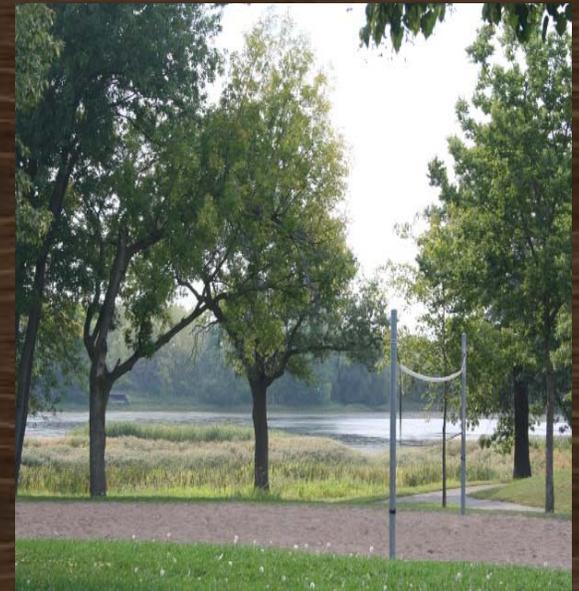
Katie Prock

Ryan Reuss

Urban forests provide invaluable *ecological*,
aesthetic, and *economic* benefits

Objectives

1. **Create** sampling method
2. **Conduct** tree inventory
3. **Provide** recommendations for the long term management of Shoreview's urban forest



Methods

Public:

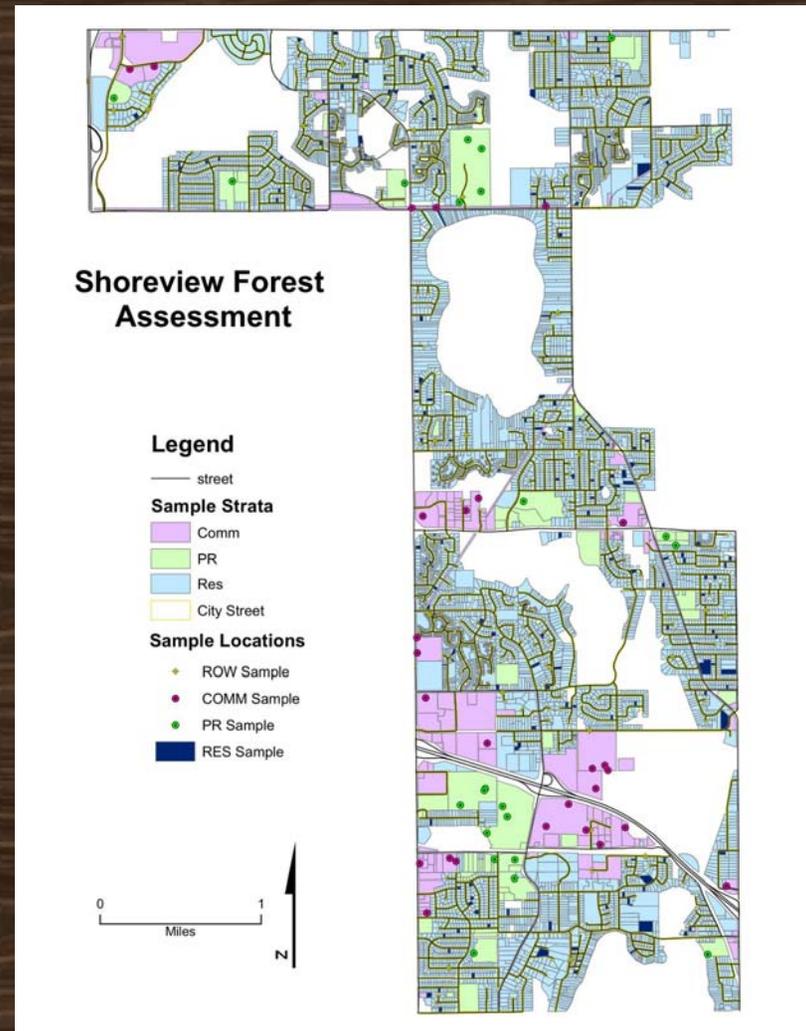
Parks and Recreation
Right of Way /
Boulevard

Private:

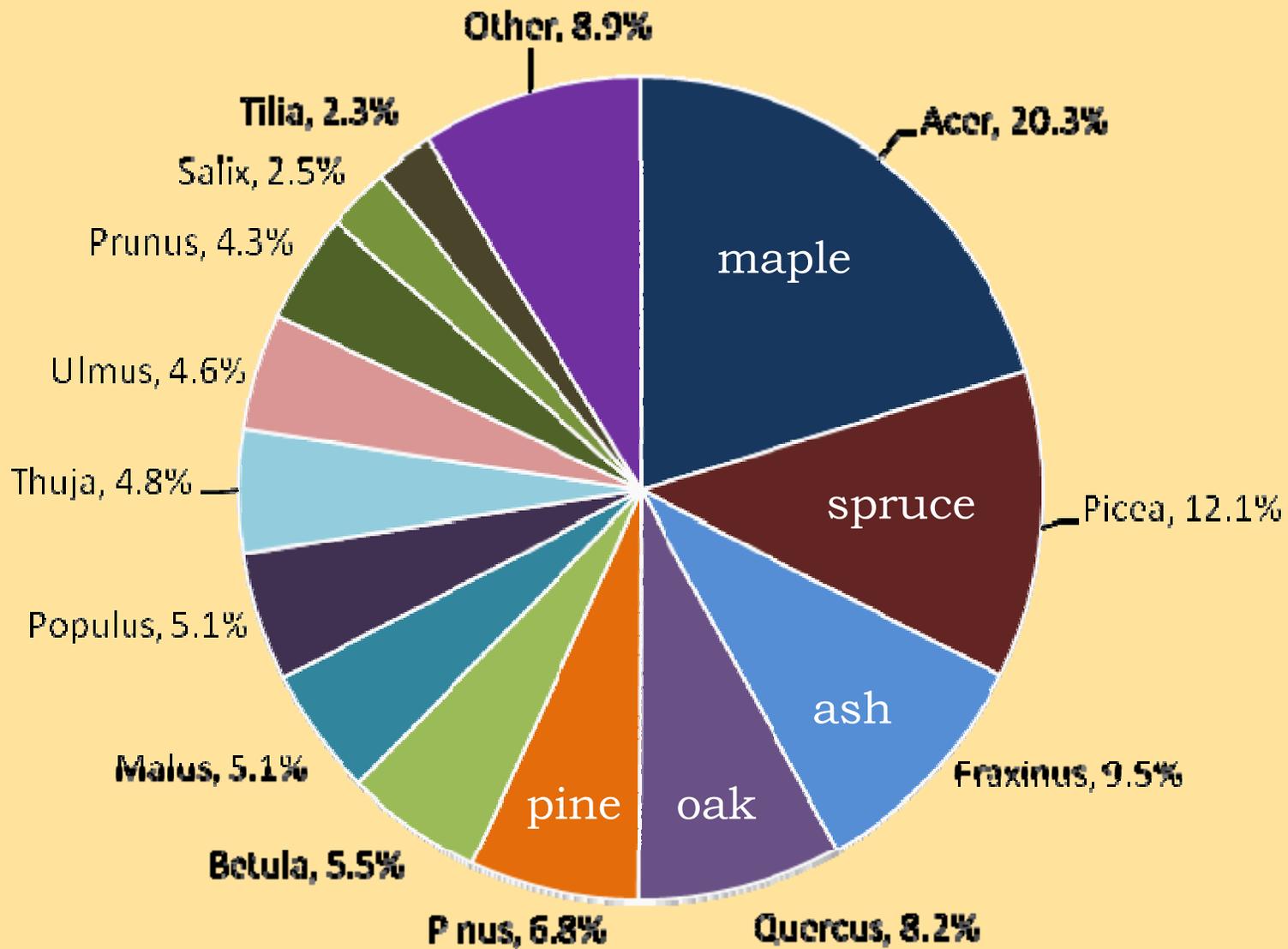
Residential
Commercial

223 Plots

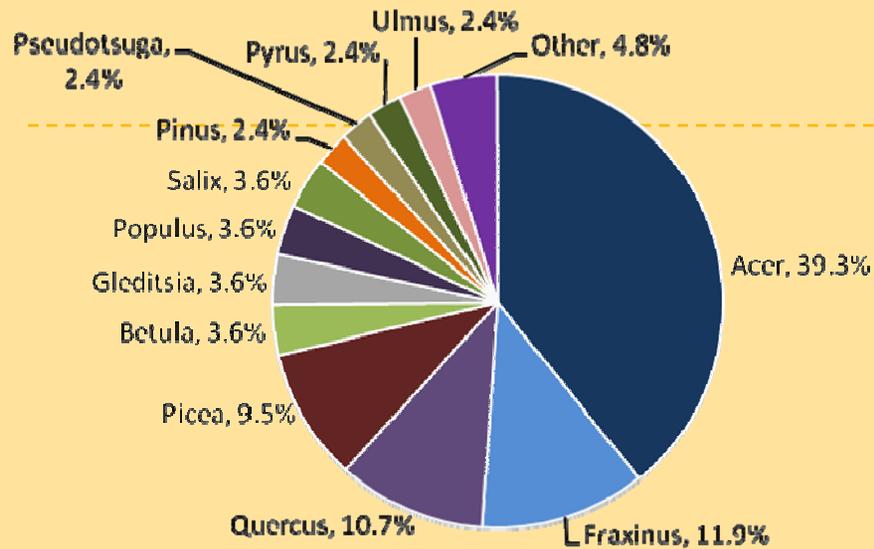
- Species
- Diameter



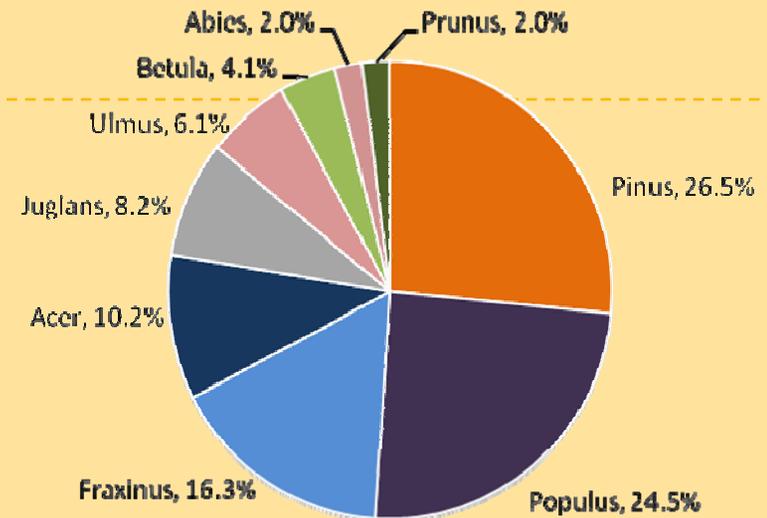
Genera Diversity



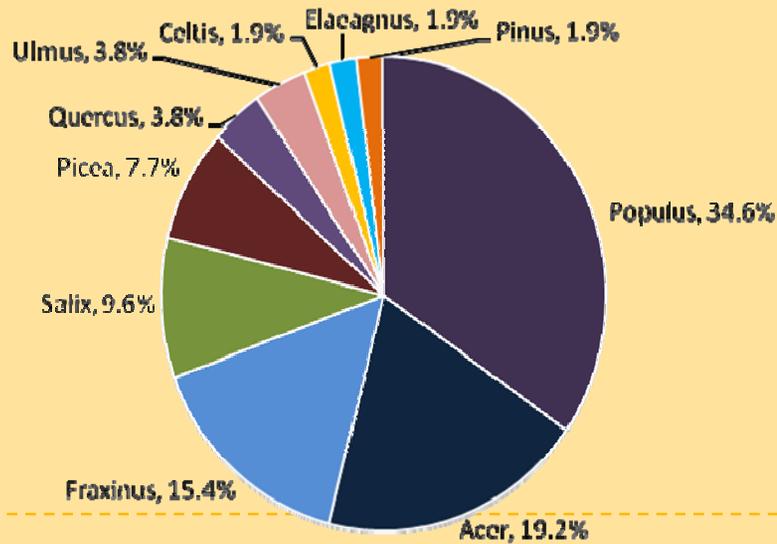
Right of Way/Boulevard



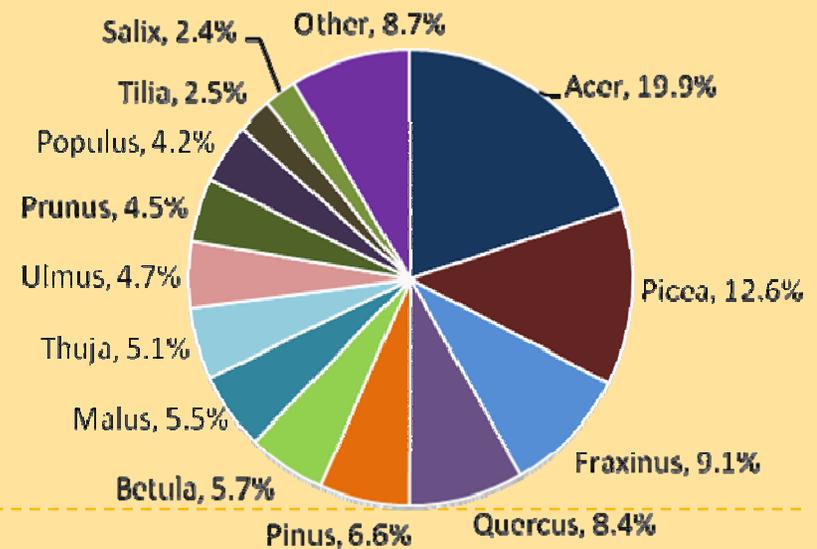
Parks and Recreation



Commercial



Residential



Recommendations

1. Maintain and promote high tree diversity

- ▶ Overall- Resilience to pest and disease outbreaks
- ▶ Public vs. Private Management

2. Continue a long-term inventory of trees

- ▶ Assess changing age composition and diversity
- ▶ Increase community involvement and public education



3. Develop an Emerald Ash Borer Management Plan

- ▶ Use free EAB calculator tool to estimate costs for removal, replacement and treatment
- ▶ Implications for canopy cover



Conclusion

- ▶ **Overall diversity of trees is above national average**
 - ▶ Consider land ownership diversity for long-term management
- ▶ **Effective management of the urban forest requires a long term inventory and management plan**



Questions?

THANK YOU!

Gene Kruckenberg

Kathleen Nordine

Rob Warwick

Matthew Baker

Shoreview Residents

Environmental Officer

City Planner

Senior Planner

GIS Analyst

Shoreview Residents

