

Tree Summit 2017



Agenda

- 9:00am – 9:10am **Welcome**
Angie DiSalvo, Outreach and Science Supervisor, PP&R UF
- 9:15am – 9:50am **Park Tree Inventory 2017: What We Found**
Kasie Auger and Catherine Clark, PP&R UF
- 9:50am – 10:10am **Citizens' Big Legacies: Snapshots of History and Portland's Park Trees**
Dave Hedberg, PP&R UF
- 10:10am – 10:25am **Portland's Heritage Trees: Celebrating our Historic, Unique, and Old Trees**
Gregg S. Everhart, Urban Forestry Commission Heritage Tree Committee
- 10:25am – 10:40am **Learning Landscapes: Youth, Community, and Urban Canopy**
Gina Dake, PP&R UF
- 10:40am – 10:55am **Grow a Forest in Your Backyard: Portland's Yard Tree Giveaway**
Angie DiSalvo, PP&R UF and Bruce Nelson, Cully Neighborhood Tree Team
- 10:55am – 11:10pm **Finding Space for Trees: A Tool for Urban Forest Advocates**
Dr. Vivek Shandas, Portland State University
- 11:10pm – 11:25am **The Canopy Stories Project: Community Environmental Storytelling**
Danielle Schulte, Portland State University
- 11:25am – 11:40am **Sharing the Inventory: Storymaps for Portland's Parks**
Lizzie Sords, PP&R UF
- 11:40am – 11:55am **Words of Inspiration**
Nik Desai, PP&R UF
- 11:55am – 12:55pm **Breakout Session: New Ideas for Urban Forest Advocacy** (over lunch)
- 12:55pm – 1:00pm **Closing Remarks**, *Jeff Ramsey, PP&R UF*





Overlook Park

Park Tree Inventory Findings



Berkeley Park



PORTLAND PARKS & RECREATION

Healthy Parks, Healthy Portland

www.portlandoregon.gov/parks/treeinventory



PORTLAND PARKS & RECREATION

Healthy Parks, Healthy Portland

www.PortlandParks.org



843394
COLUMBIA COTTAGE

Columbia Park



PORTLAND PARKS & RECREATION

Healthy Parks, Healthy Portland

www.PortlandParks.org



2017 Park Tree Inventory

Over 200 volunteers
About 2,400 hours volunteered
Nearly 6,000 trees

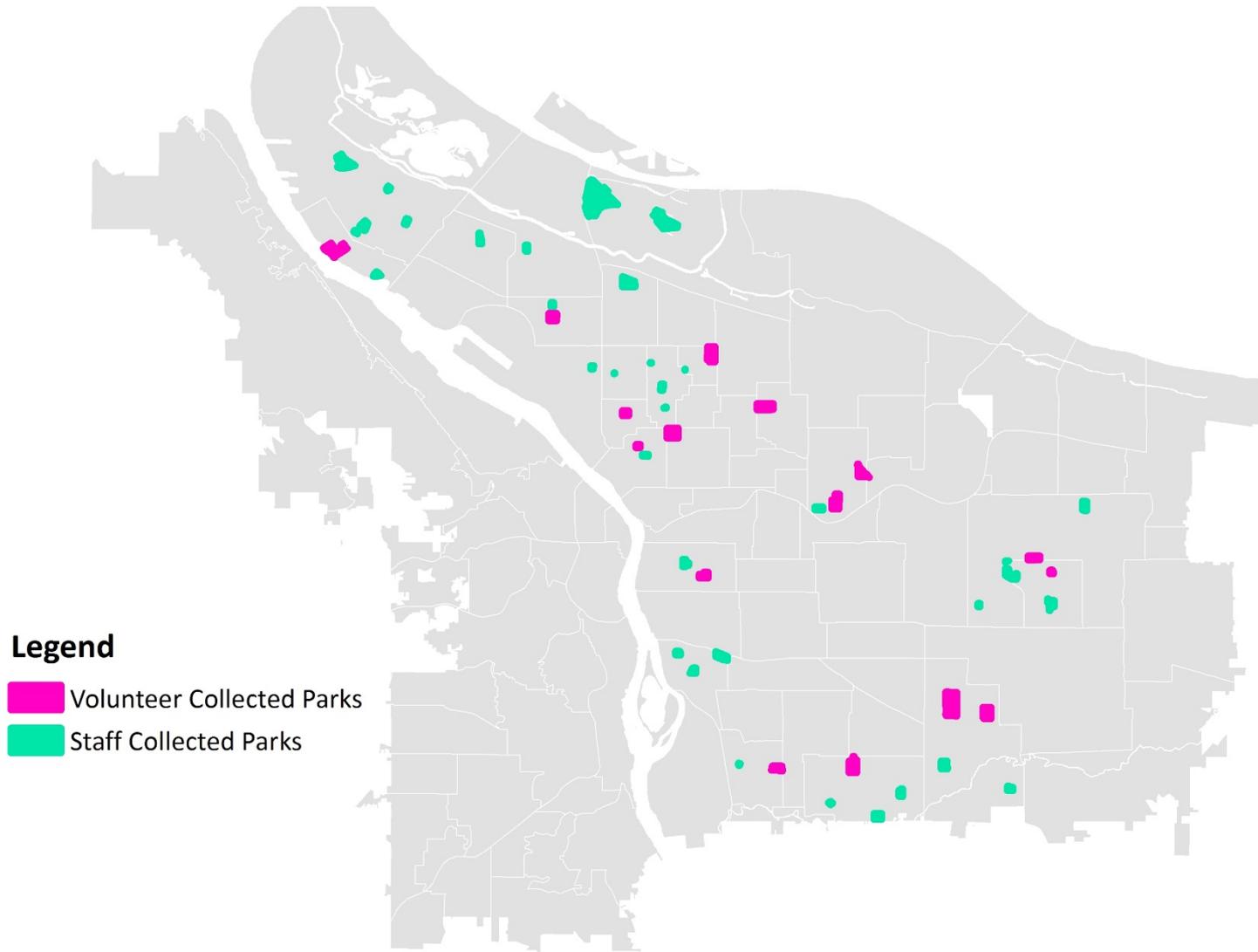


Parks Inventoried in 2017





Parks Inventoried in 2017





Irving Park

Data Collected



About The Tree

- Species
- Size
 - Diameter (DBH)
 - Canopy spread
 - Tree height
- Condition rating

Location

- Data automatically uploaded to a digital map



Goals for the Urban Forest

Diversity

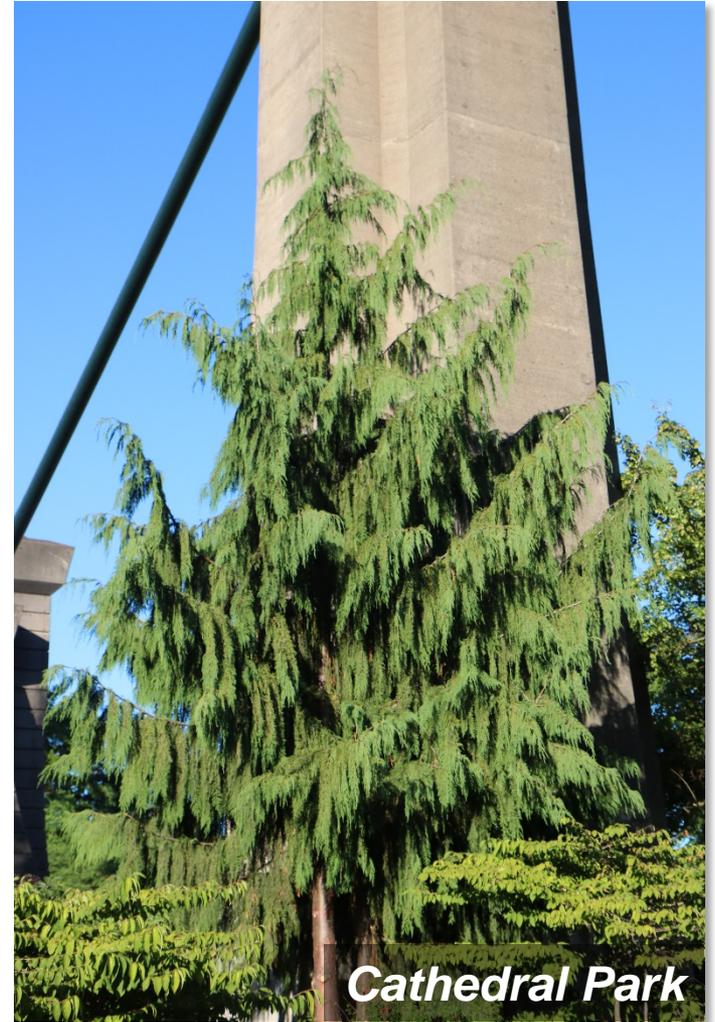
- Mix of species, mature size, functional type, and age

Canopy

- Maximize and maintain canopy in parks over time
- Plant for 100 years from now

Keep Parks Special

- Connect the public to their parks



Cathedral Park





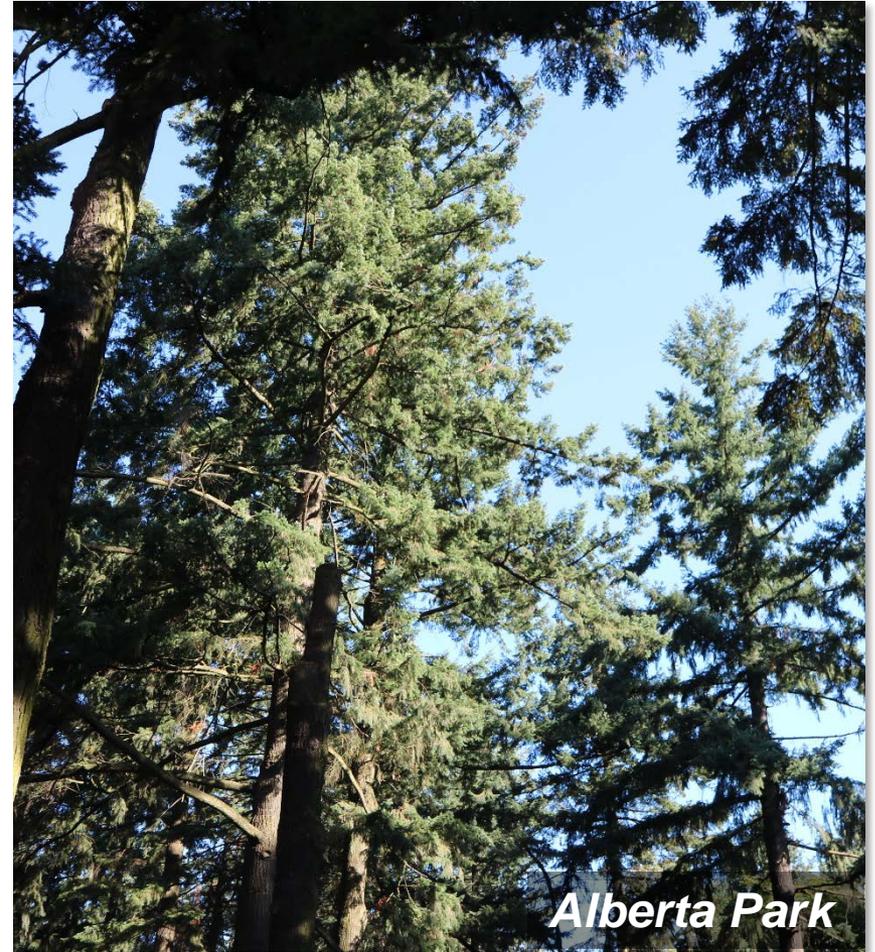
Let's Talk Trees! What We Found



Bloomington Park

Ten Most Common Trees

Most Common Park Trees	% of tree population
Douglas-fir	17%
Norway maple	9%
Northern red oak	5%
Incense cedar	4%
Pin oak	4%
Western redcedar	3%
London planetree	3%
Cherry	3%
Bigleaf maple	2%
Freeman maple	2%
Total	52%





Comparing Park and Street Trees

Most Common Park Trees	% of tree population n = 5,891
Douglas-fir	17%
Norway maple	9%
Northern red oak	5%
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Pin oak	4%
Western redcedar	3%
London planetree	3%
Cherry	3%
Bigleaf maple	2%
Freeman maple	2%

Most Common Street Trees	% of tree population N = 218,610
Norway maple	9%
Red maple	7%
Cherry	6%
Pear	5%
Plum	5%
Maple, other	5%
Ash	4%
Dogwood	4%
Oak, deciduous	3%
Crabapple	3%





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Arbor Lodge Park



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Midland Park

Most Common Genera and Families

Genus	% of tree population
<i>Acer</i>	19%
<i>Pseudotsuga</i>	17%
<i>Quercus</i>	12%
<i>Pinus</i>	5%
<i>Prunus</i>	4%

Family	% of tree population
Pinaceae	30%
Sapindaceae	19%
Fagaceae	13%
Rosaceae	8%
Cupressaceae	6%



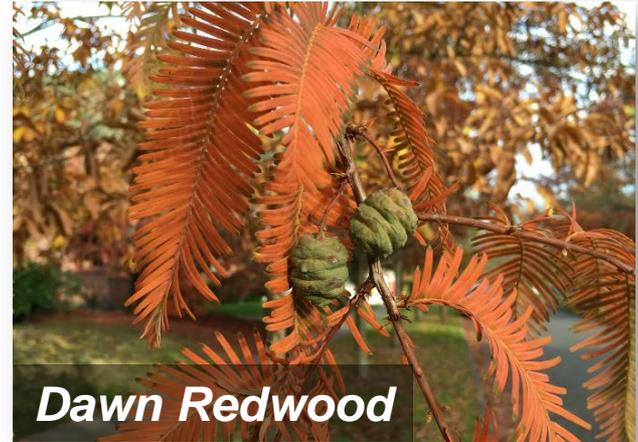


Functional Types

Broadleaf

Conifer

Deciduous



Evergreen





Functional Types

Broadleaf

Conifer

Deciduous



Evergreen





Functional Types

Broadleaf

Conifer

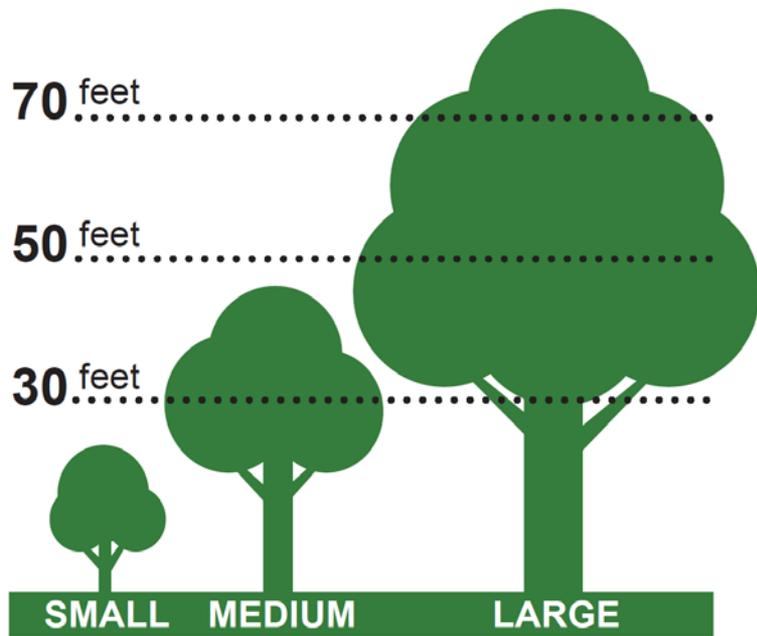
Deciduous



Evergreen



Mature Tree Size



Corresponds to planting site size

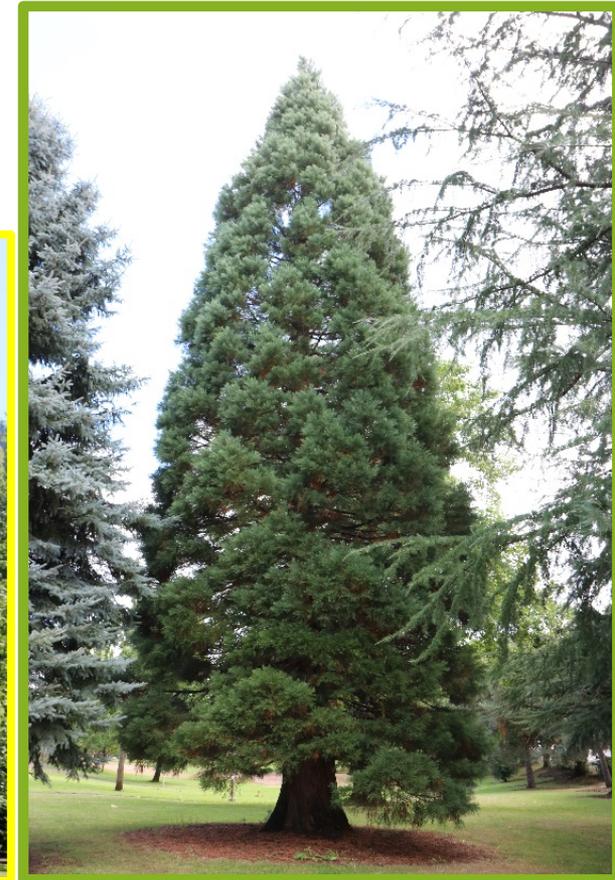
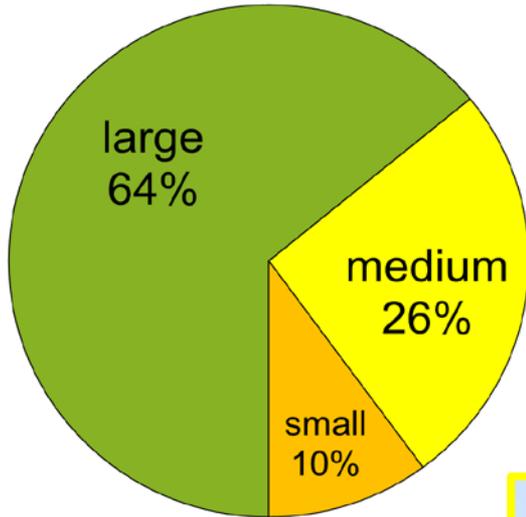
- **Small**
 - dogwood, redbud, hawthorn
- **Medium**
 - hornbeam, tupelo, katsura
- **Large**
 - oak, linden, Douglas-fir

How big will Portland's park trees be?





Mature Tree Size

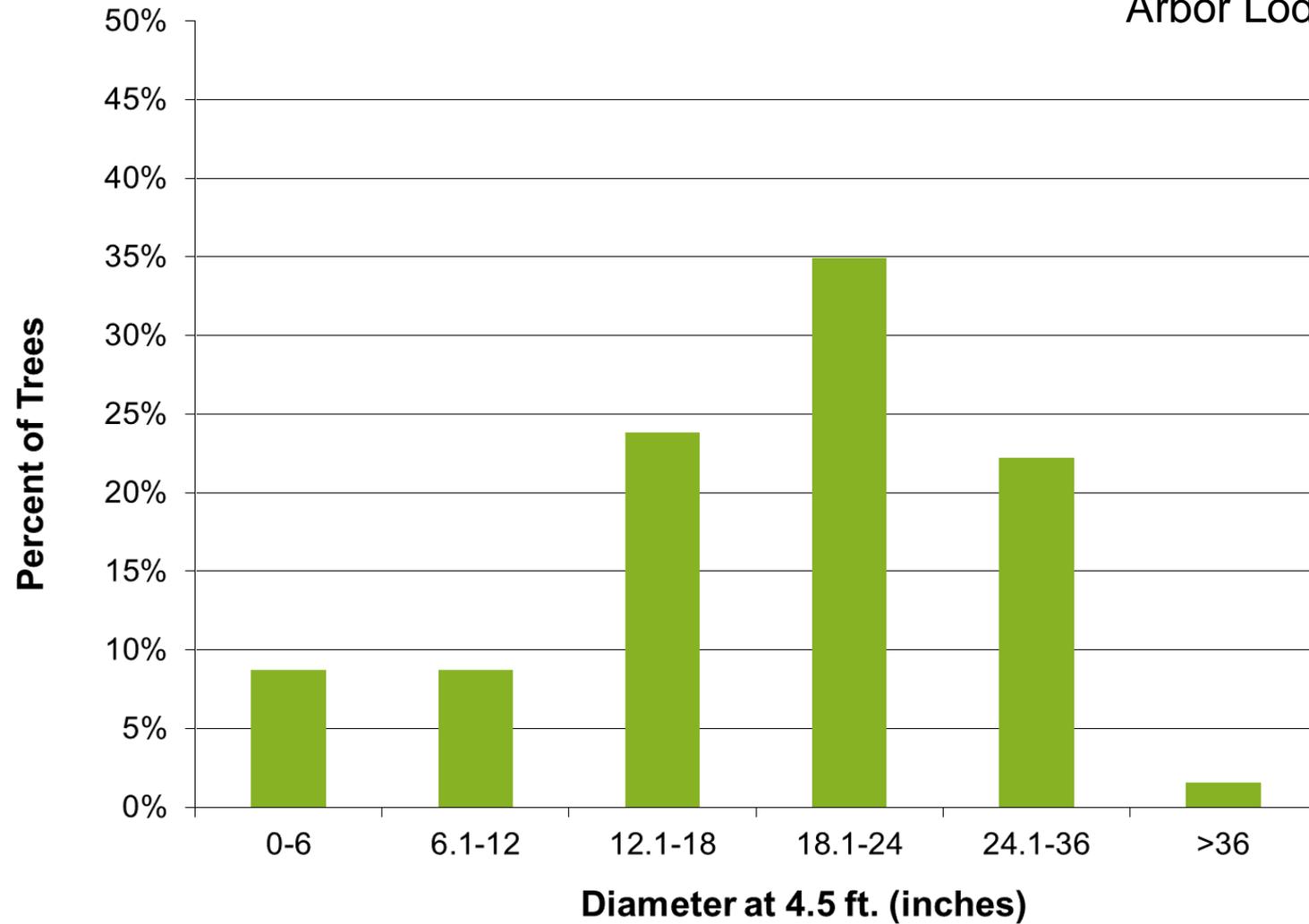






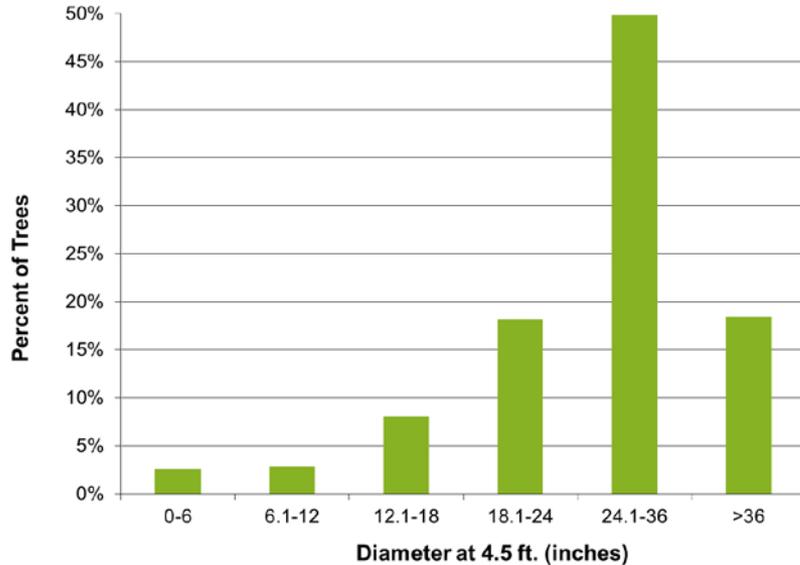
Diameter Size Class

Arbor Lodge Park





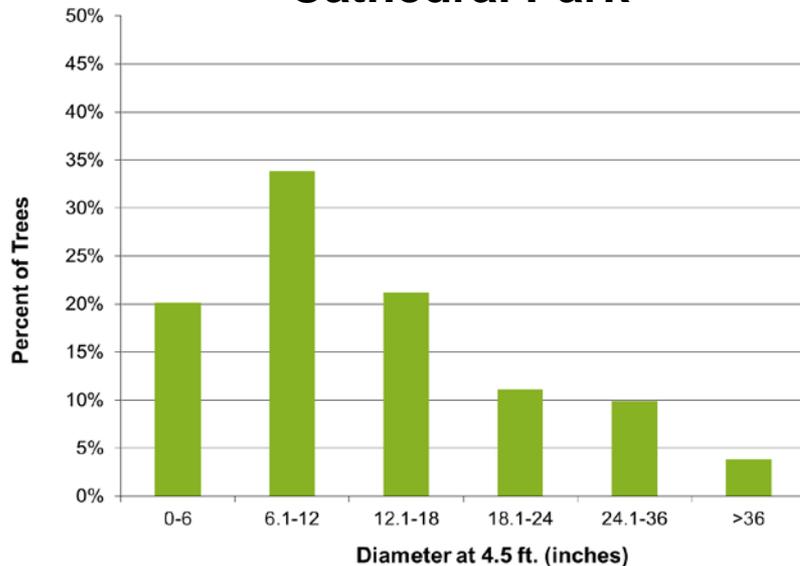
Wilshire Park



Planting Trends from the Past

- Many larger, older trees
- Not a lot of younger smaller, trees
- Canopy cover difficult to maintain over time

Cathedral Park



Planting for the Future

- Lots of new plantings in recent years
- Healthy distribution of class size
- Canopy likely to grow over time

Determining the Benefits of our Park Trees

iTree Eco Software developed by
US Forest Service

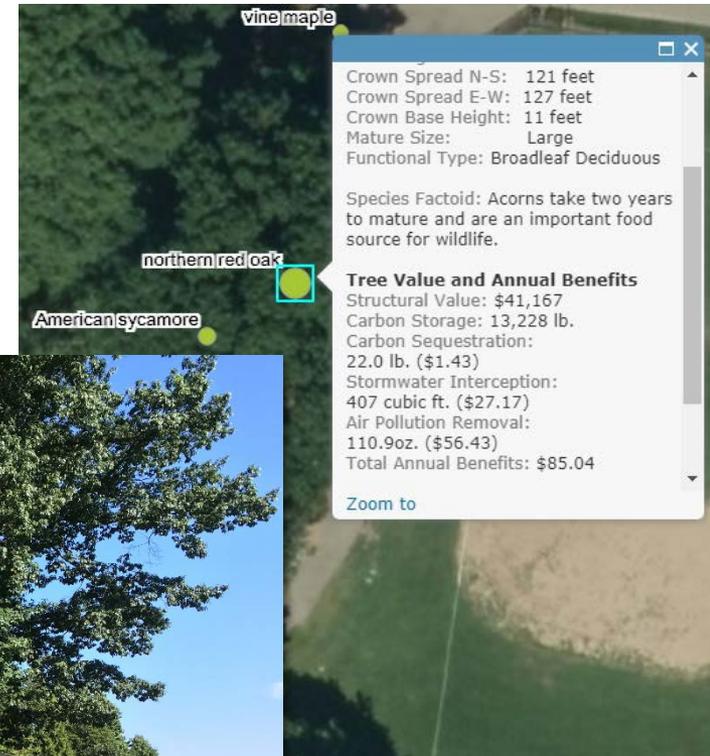
- Inputs:
 - storm water management costs, weather information, air quality, park tree inventory data



Value and Environmental Benefits

2017 Inventory (5,891 trees)

- Total value: \$34 million
- Annual benefits:
- **3 million** gallons of storm water intercepted
- **85 tons** of carbon sequestered
- **7,000 pounds** of air pollutants taken out of the air



Exciting Finds!



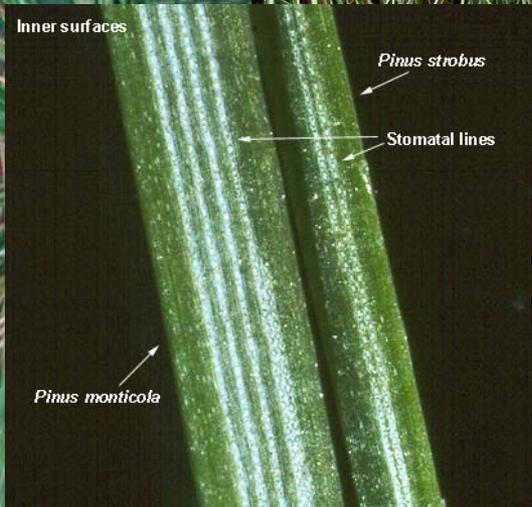
Bloomington Park



Golden larch
Pseudolarix amabilis



Japanese red pine
Pinus densiflora



Western white pine
Pinus monticola

Eastern white pine
Pinus strobus



White fir
Abies concolor



American sycamore
Platanus occidentalis





London plane tree
Platanus x acerifolia





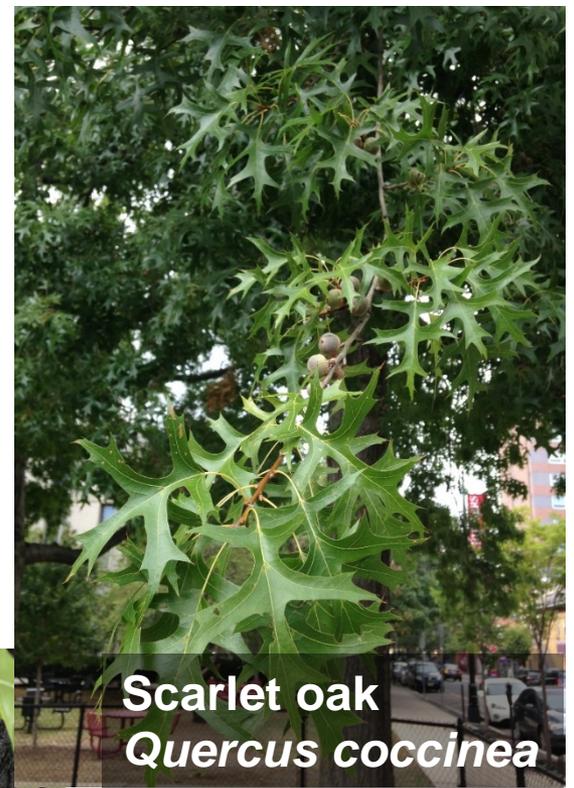
***American sycamore
in Portland, Oregon***



**American sycamore
in Cleveland, Ohio**



Northern red oak
Quercus rubra



Scarlet oak
Quercus coccinea



Pin oak
Quercus palustris





Dawn redwood
Metasequoia glyptostroboides



Bald cypress
Taxodium distichum



A large tree with vibrant yellow autumn leaves dominates the left side of the image. The background shows a park with a playground and a blue sky with light clouds. The ground is covered in fallen leaves.

Next steps

- **Keep inventorying!**
Now accepting applications for 2018.
- **Workshops and tree maps** for 2017 parks.
 - Pop-up arboreta
 - Tree walks
 - Story maps
- UF assists teams with **stewardship activities** and organization