

Street Tree Management Plan



SDOT Urban Forestry
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June 1, 2017



Seattle
Department of
Transportation

SDOT mission, vision, and core values

Mission: deliver a high-quality transportation system for Seattle

Vision: connected people, places, and products

Committed to **5 core values** to create a city that is:

- Safe
- Interconnected
- Affordable
- Vibrant
- Innovative

For **all**

Division mission

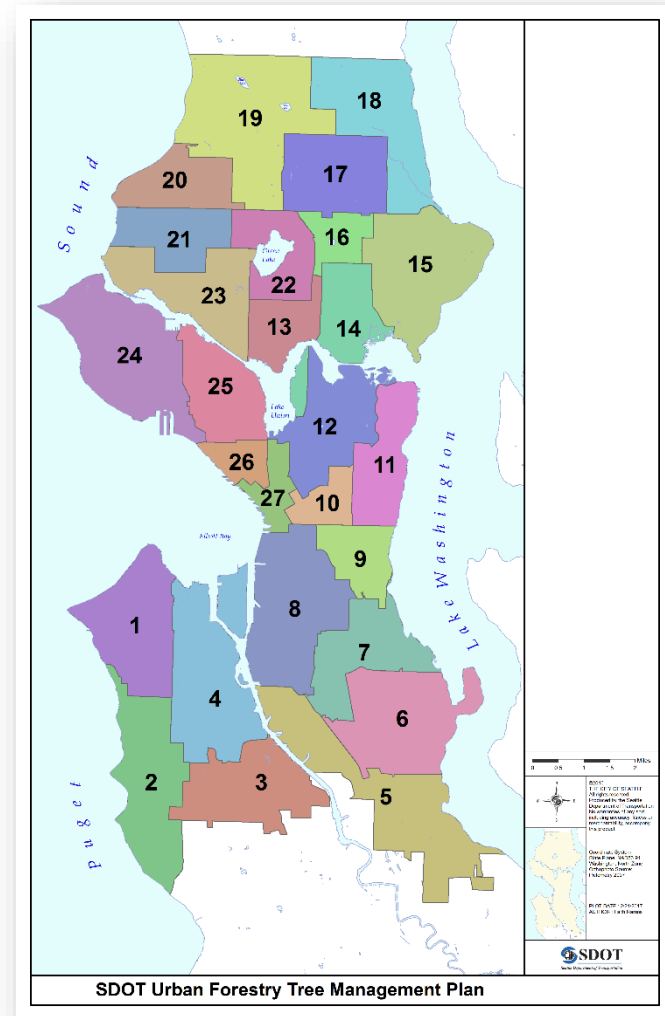
SDOT Maintenance Operations Division mission is to provide integrated maintenance, emergency response, and stewardship of the engineered and natural systems within the Right of Way to promote a safe, vibrant and interconnected city.

Presentation overview

- Context
- Overview
- Details
- 2016 in Review
- Next Steps

9-year Street Tree Management Plan

- New management approach
- 2016 – 2024
- 27 management units
 - City council districts divided along U.S. Census tracts
- 3 units per year

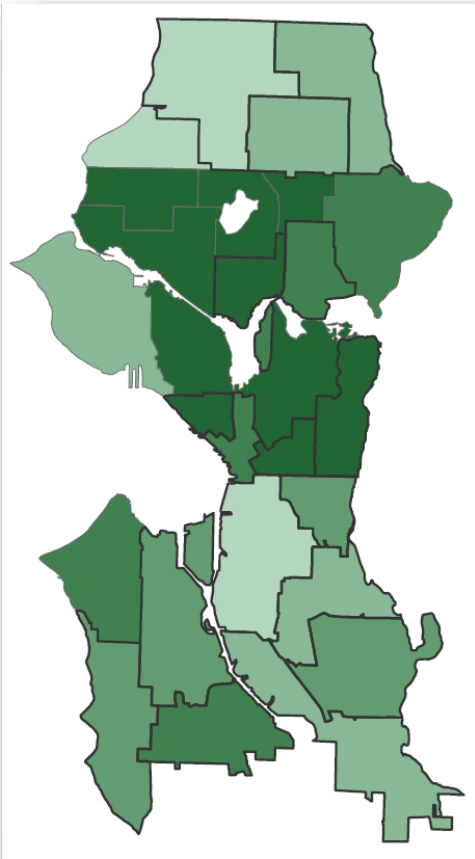


Planting in Seattle

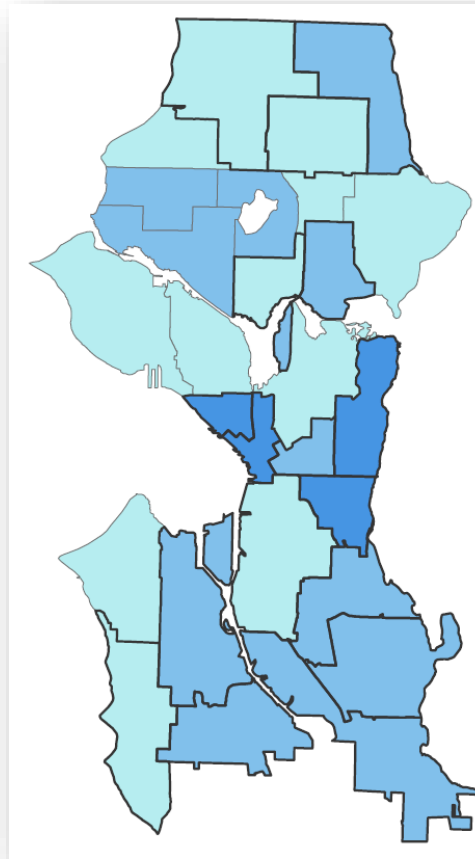
- Past planning and policy efforts around street trees have impacted where they grow throughout the city
- Est. 250,000 total trees in the Right of Way
- 40,000 SDOT street trees



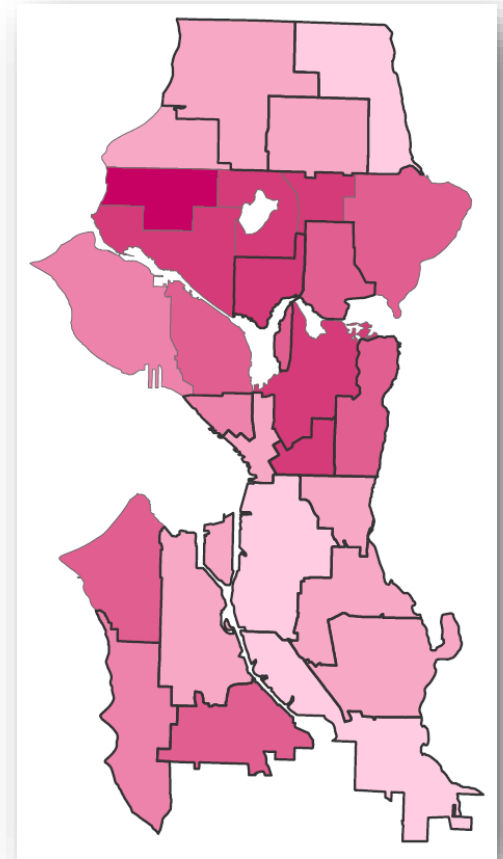
Bridging the Gap Legacy



All Trees per Square Mile
of ROW

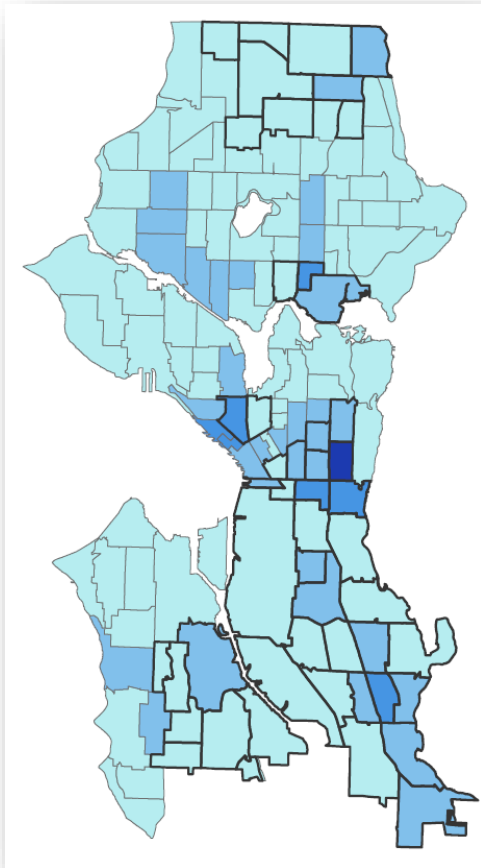


SDOT Trees per Square
Mile of ROW

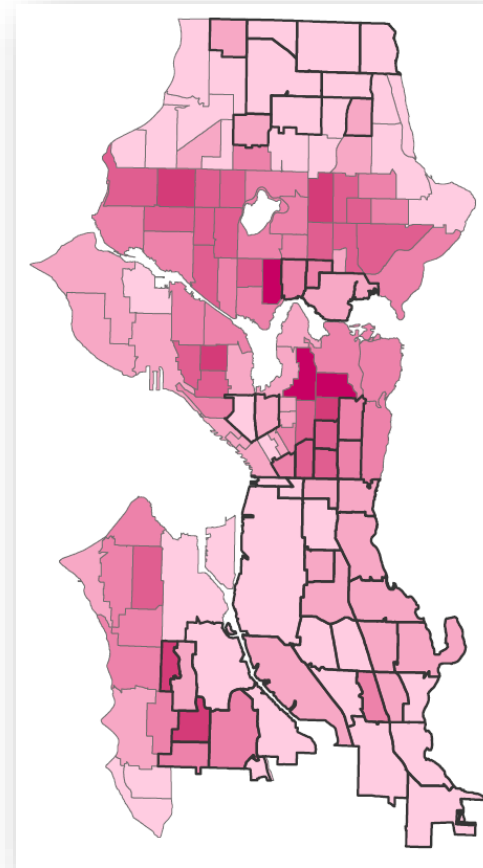


Private Trees per Square
Mile of ROW

Bridging the Gap Legacy



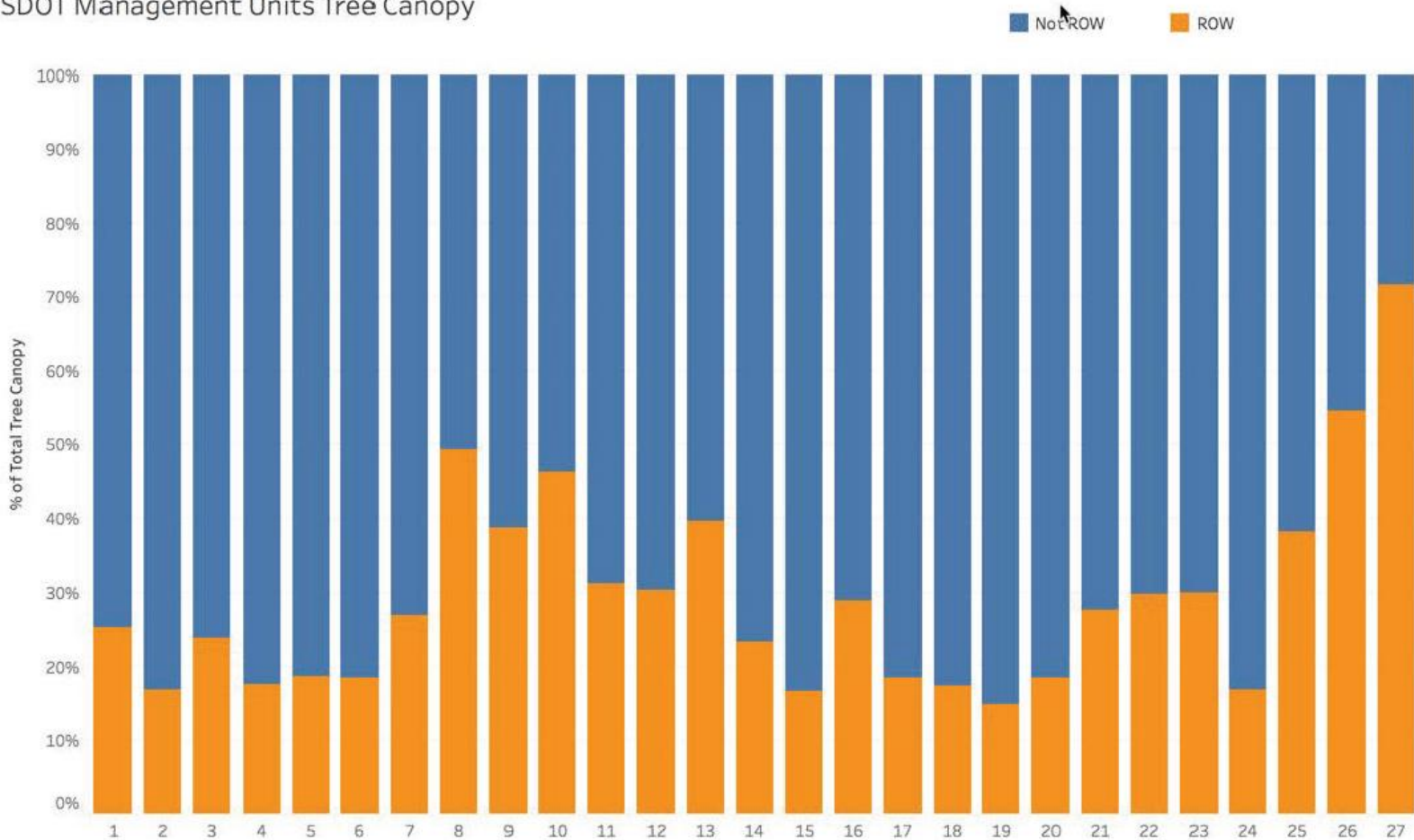
SDOT Trees per Square
Mile of ROW



Private Trees per Square
Mile of ROW

Canopy Cover in Right of Way

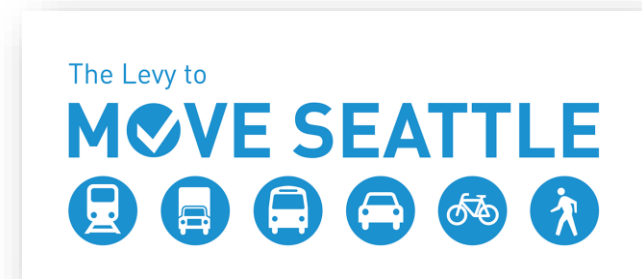
SDOT Management Units Tree Canopy



Made Possible By



Seattle
Department of
Transportation



Objectives



Inventory



Maintain



Replace



Connect

Activities



- Use ArcGIS Collector App to update street tree inventory with handheld devices
- Hire additional inventory support staff
- Inventory all street trees in Seattle

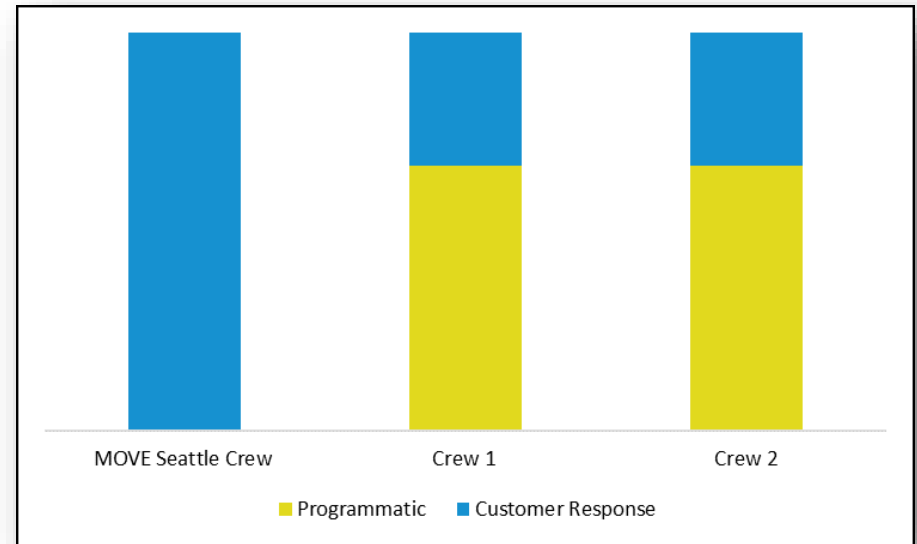
Activities



- Scheduled pruning and maintenance
- Emergency Response
- Hazardous Tree Removal
- Establish recently planted trees

Made Possible By

- Levy to Move Seattle's third tree crew
- 2/3 of existing crews time will be dedicated to programmatic maintenance
- Over 44% of total resources dedicated to programmatic maintenance



Activities



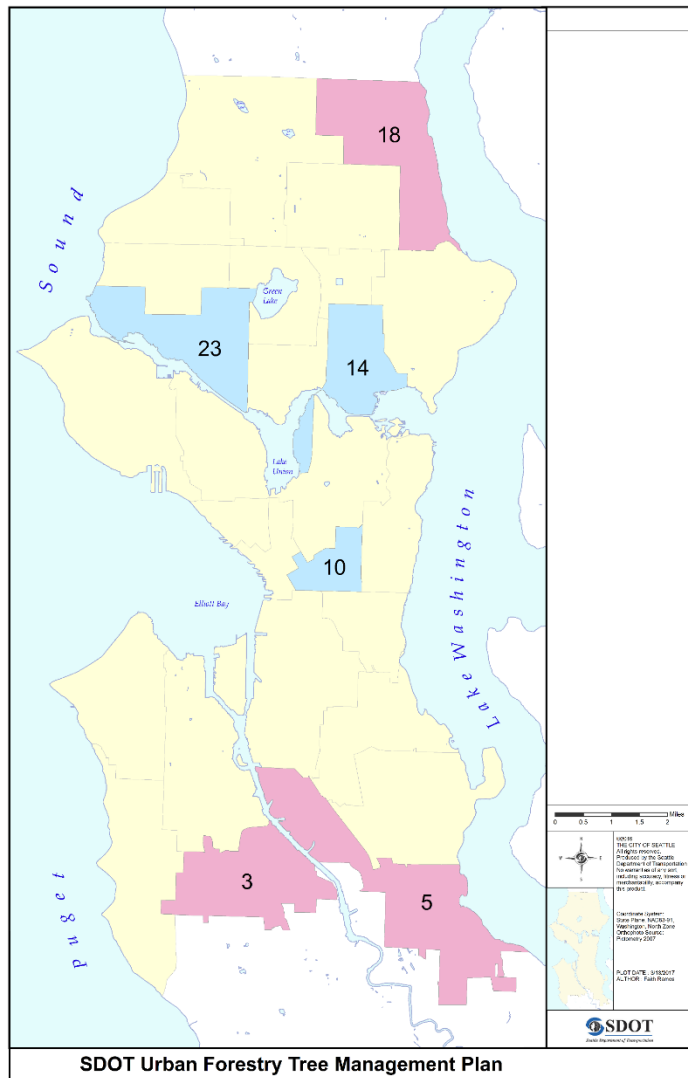
- Plant at least two trees for every one removed
- Leverage existing gaps within SDOT tree “corridors”
- Use [iTree](#) analysis of inventory to make better decisions

Activities



- Conduct [Racial Equity Toolkit](#) Analysis to optimize benefits and minimize harm
- Community Survey
- Fact Sheets
- Multimedia Awareness Campaign
- Partnership with Department of Neighborhoods

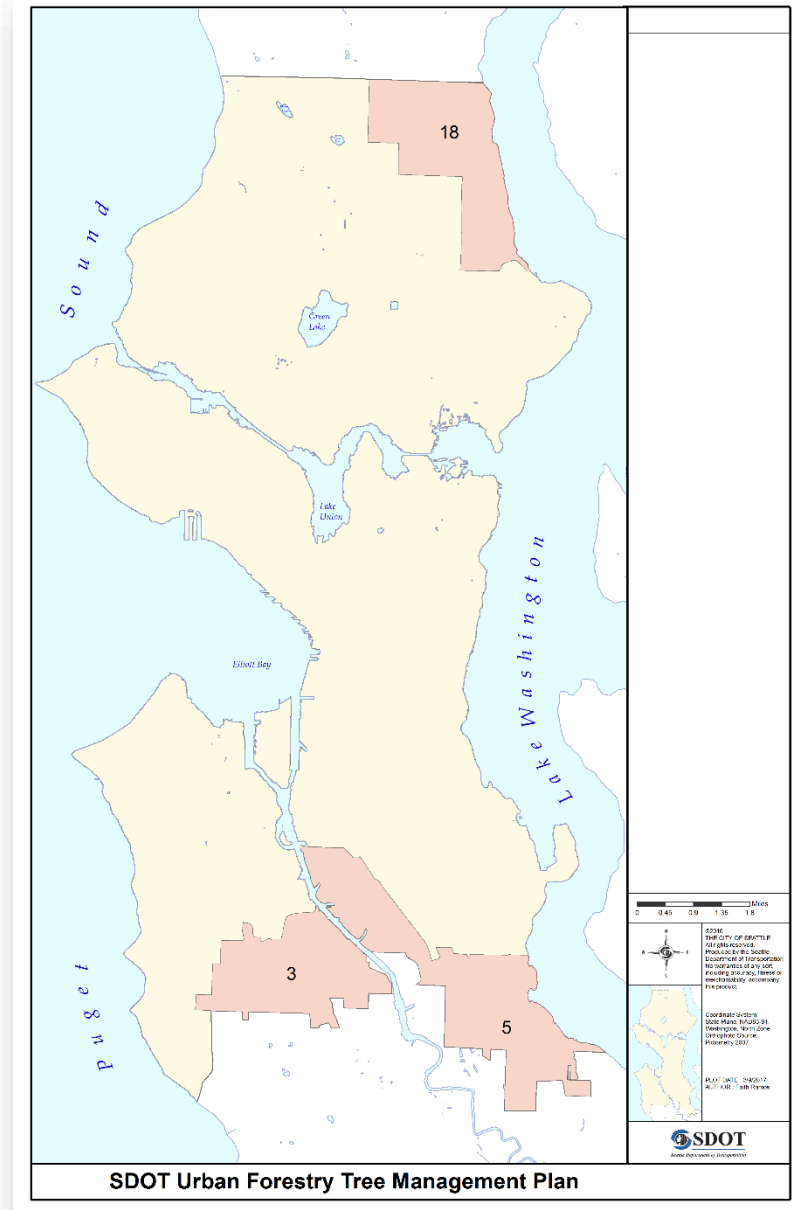
Where we've been



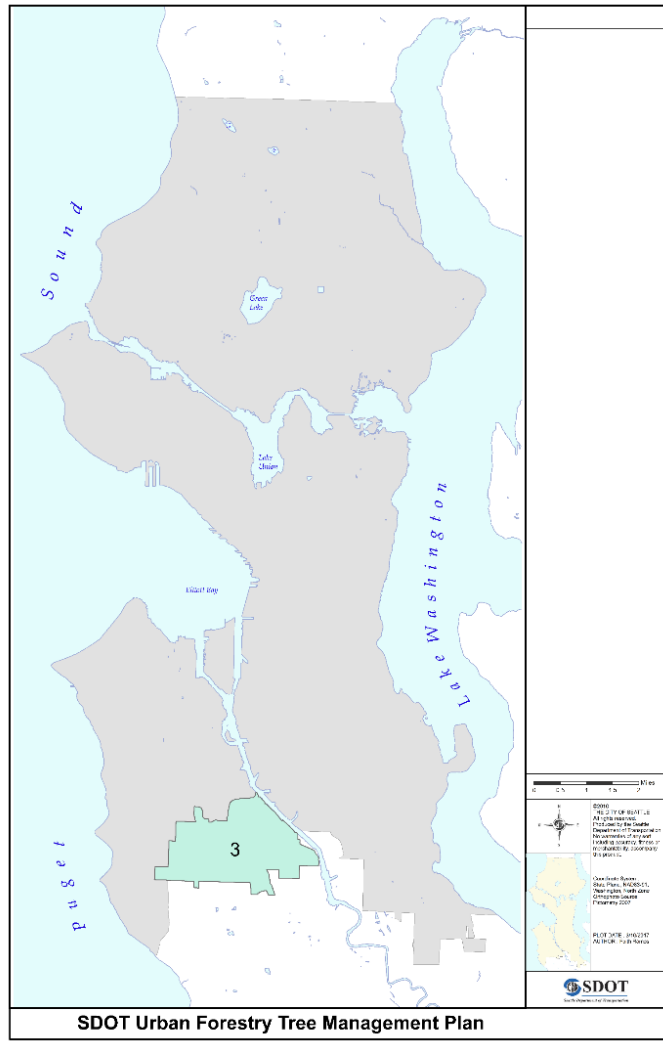
- 2016 Completed Units:
 - South Park/Highland Park (Unit 3)
 - Rainier Beach (Unit 5)
 - Lake City/Olympic Hills (Unit 18)
- 2017 In Progress Units:
 - First Hill/Central District (Unit 10)
 - University District/Ravenna/Eastlake (Unit 14)
 - Ballard/Fremont (Unit 23)

2016 in Review

- Estimated Annual Benefits To-Date: \$841,647
- 2016 Total Expenditures: \$990,828
 - Inventorying: \$56,022
 - Pruning: \$477,442
 - Removal: \$32,070
 - Planting: \$297,997
 - Watering: \$ 127,297

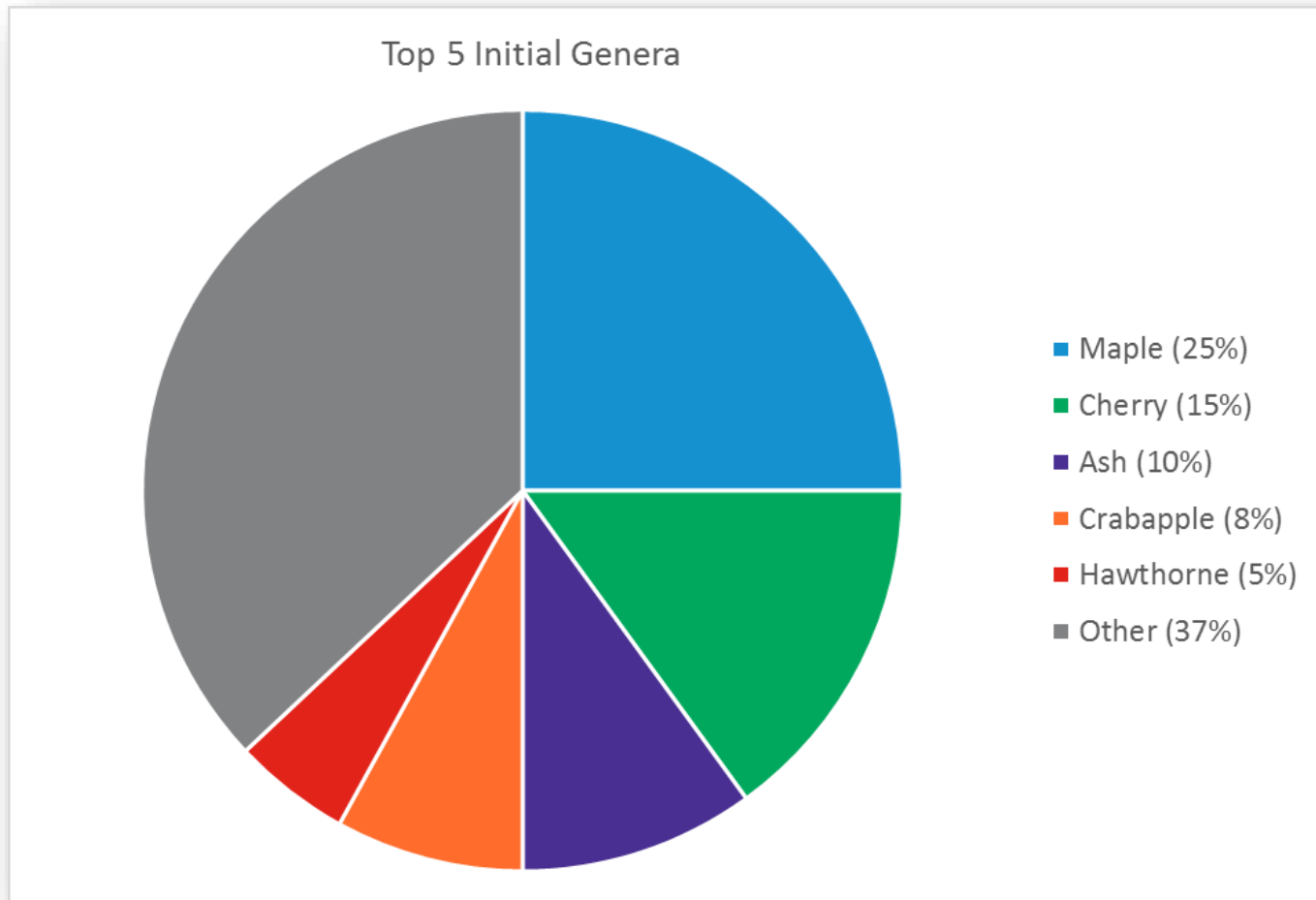


Unit 3 – South Park / Highland Park

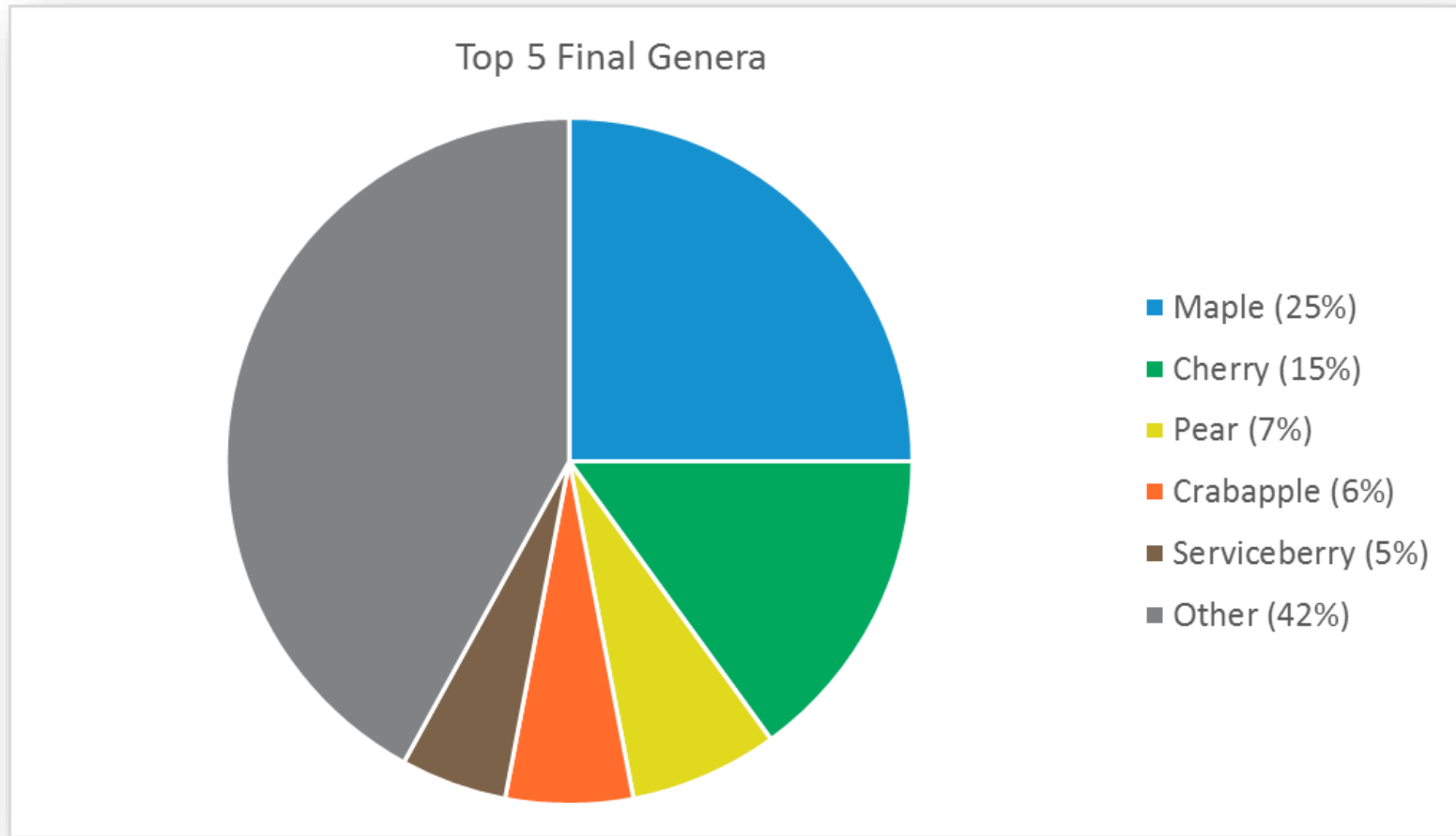


- Inventory is 100% Complete
- Trees Added to Inventory: 3,685
- Total Trees Inventoried: 6,081
- 153% Inventory Increase
- Initial Annual Benefits of Inventory: \$122,201
- Annual Benefits of Final Inventory: \$375,364
 - Energy
 - CO2
 - Air Quality
 - Storm Water
 - Aesthetic

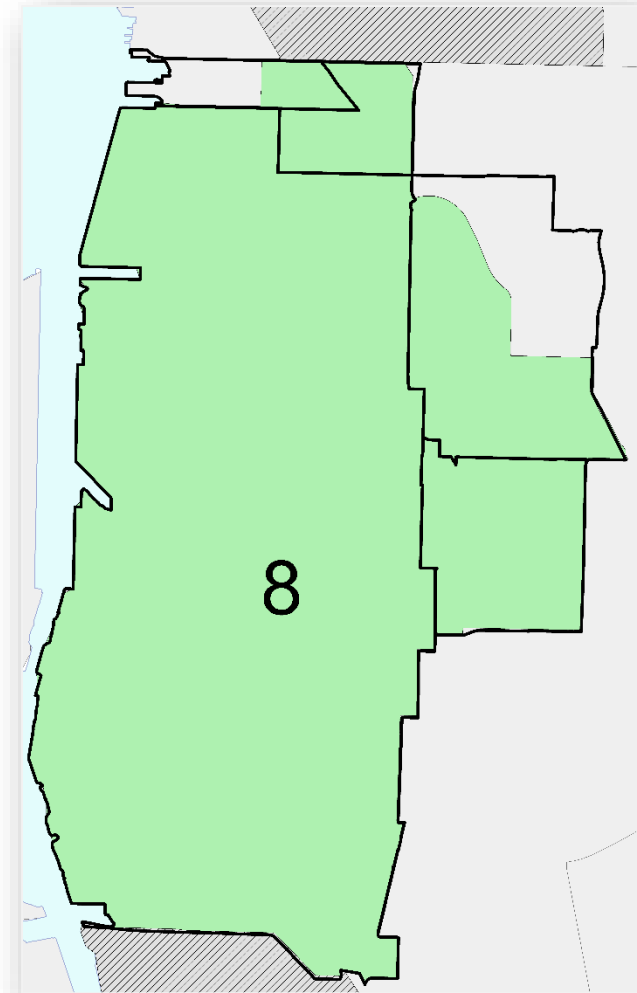
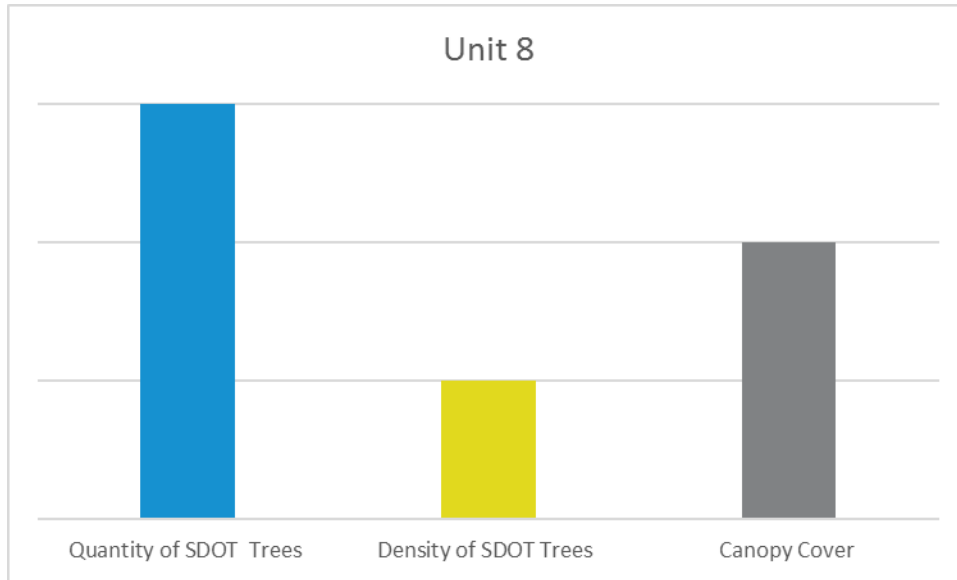
Unit 3 – Initial Top 5 Genera



Unit 3 – Final Top 5 Genera



Unit 8 Great Duwamish / Industrial District / International District – 5/5 Census Tracts UNDERSERVED



78
Survey
Responses

Underserved
Pollution
Not-Enough-Trees
Industrial-Area

Questions?

seattle.trees@seattle.gov | (206) 684-TREE (8733)

www.seattle.gov/transportation/STMP.htm

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