

The Simple Act of Keeping Track

DDOT Urban Forestry

March 31, 2021



People. Places. Planet. Plan it!

Presentation Outline

Introduce DDOT's Urban Forestry Division

Key Points

Keeping Track of Our Trees

Managing These Assets

Matching Resources to Opportunity

Outcomes Over Time

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responsibilities

direct management
of public trees

regulate private
tree removal



8,000 trees planted.

15,000 trees pruned.

4,000 trees removed.

15,000 requests for service.

2,000 tree removal permits.

703k residents.

2.5 million trees.

38.7% tree canopy.

40%

urban tree canopy goal by 2032

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Key Points

**Doing the Work is the Hard Part;
Keeping Track of Your Effort is Easy.**



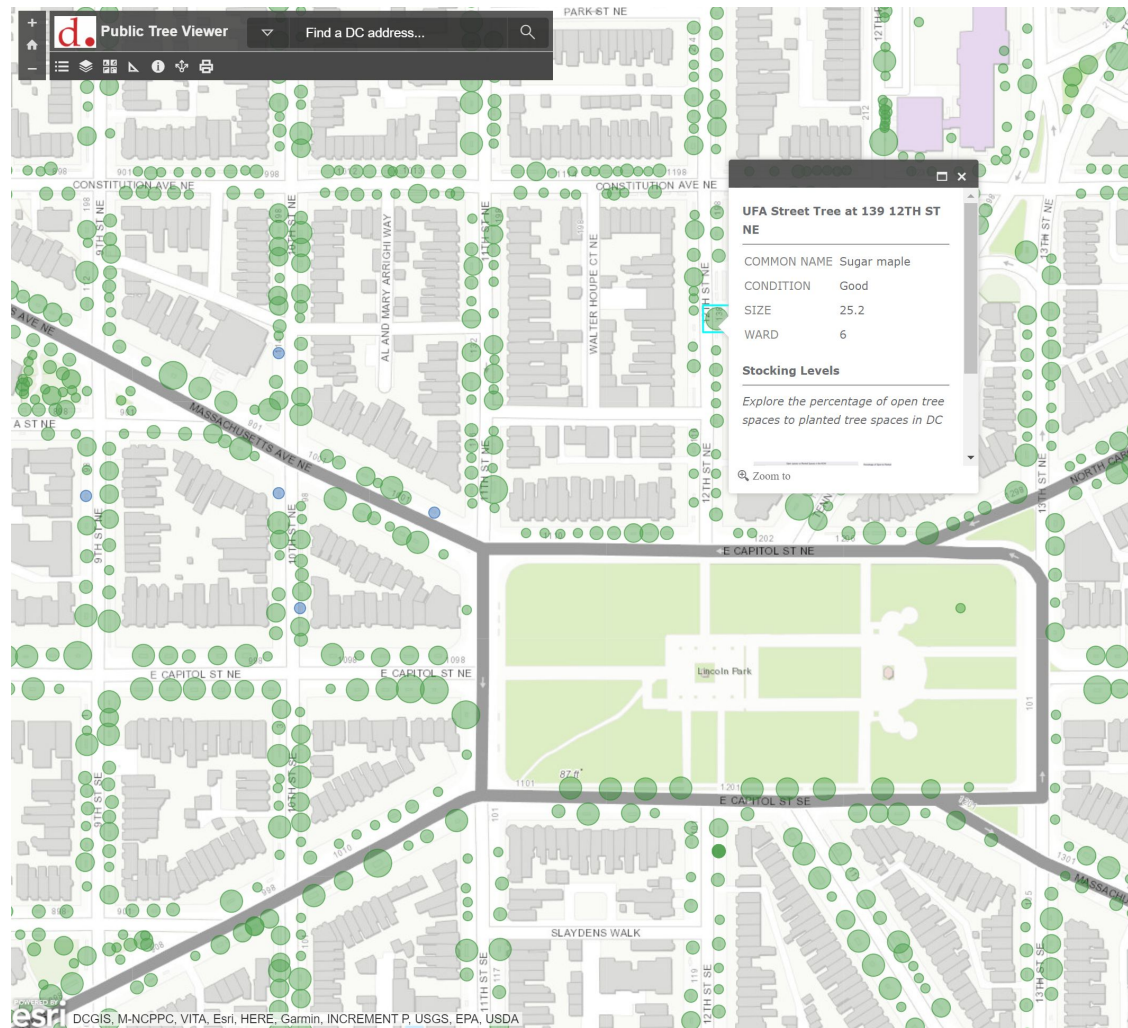


Build Trust Through Transparency



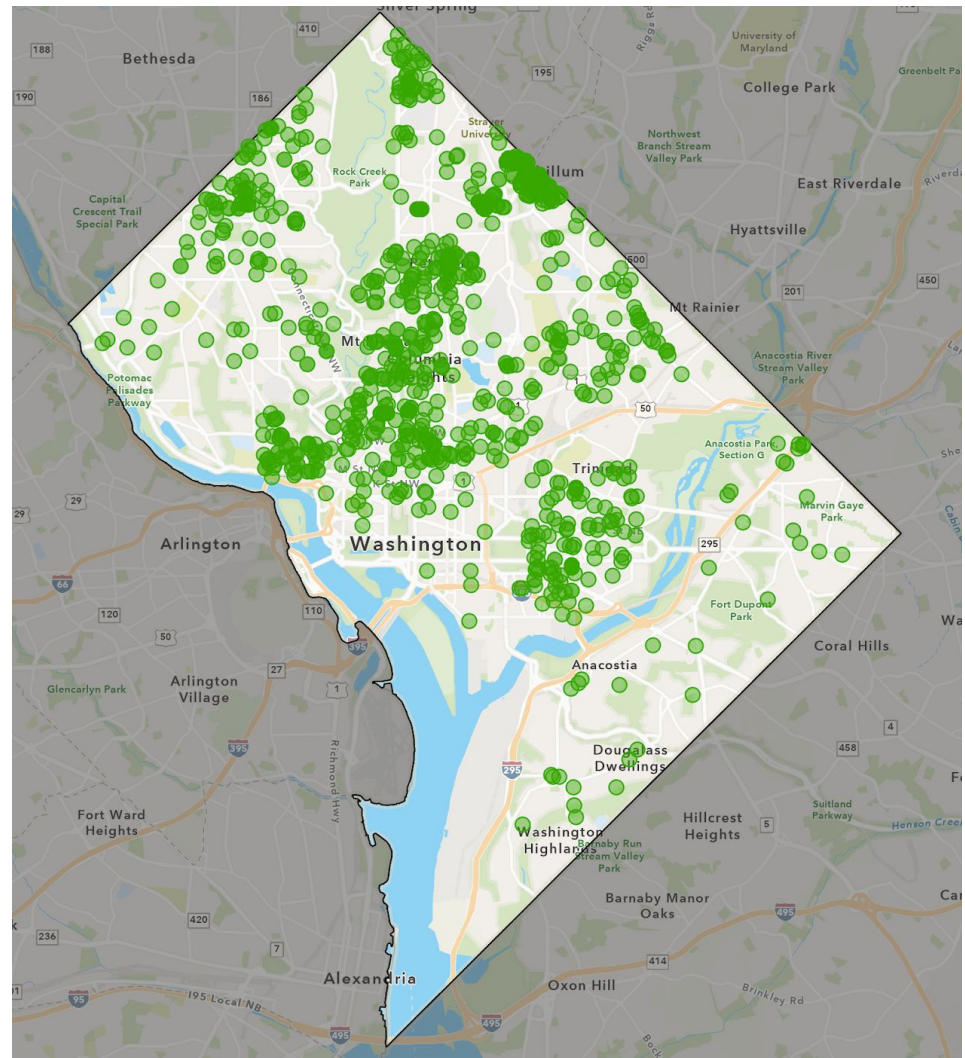
Key Points

If a Picture is Worth a Thousand Words, a Map is Worth a Thousand Pictures



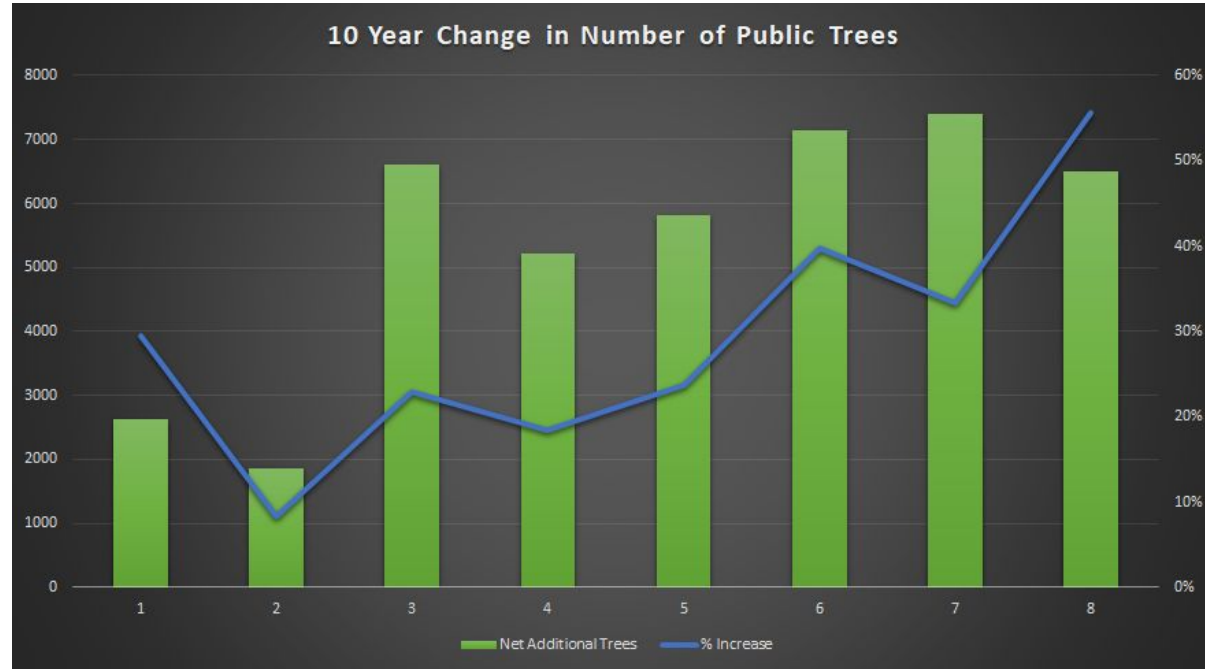
Key Points

Allocate Resources Wisely



Key Points

Measure Outcomes



What Do We Track?

Trees

Asset
Management

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DC's Public Trees

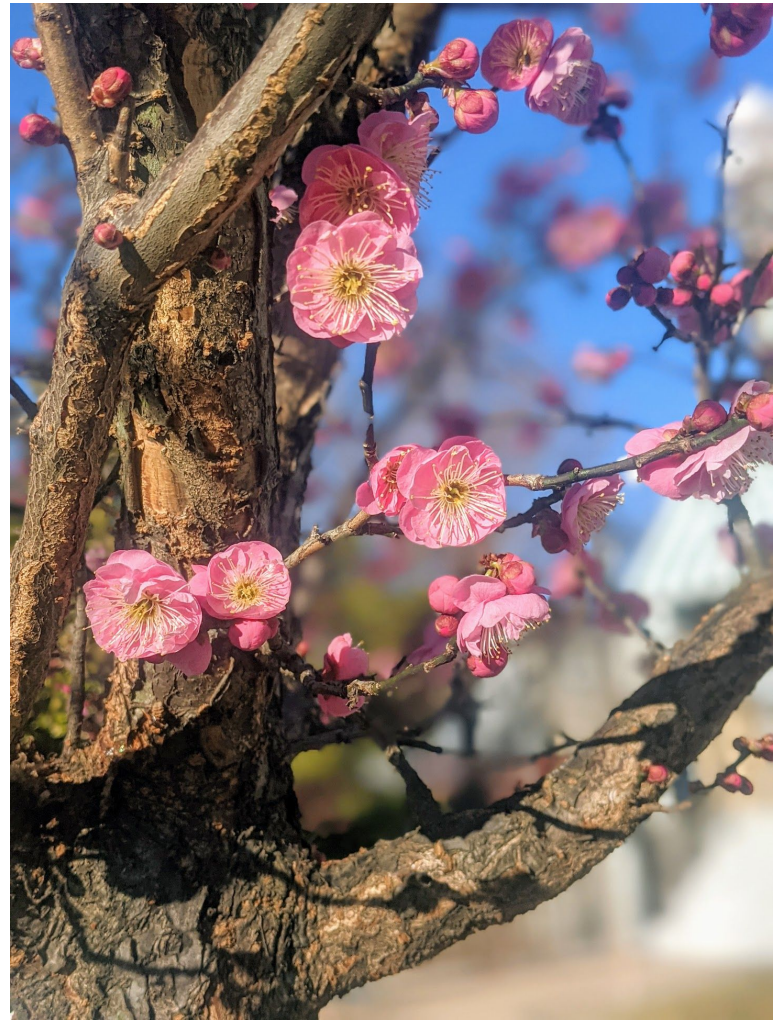
178,000 Total Tree Spaces

174,602 Planted

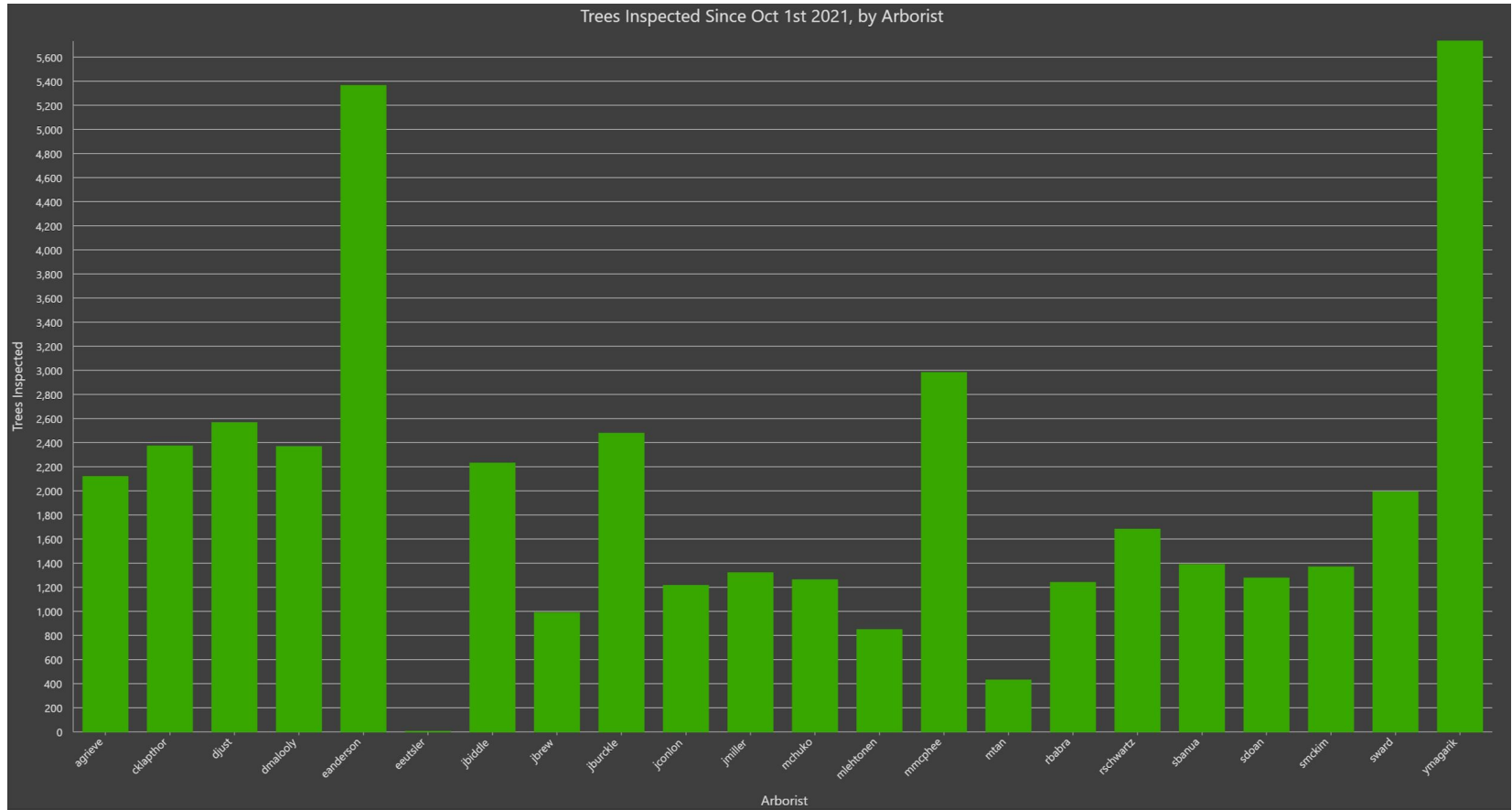
43,309 Trees Inspected – FY21

~350 Trees Inspected/Day

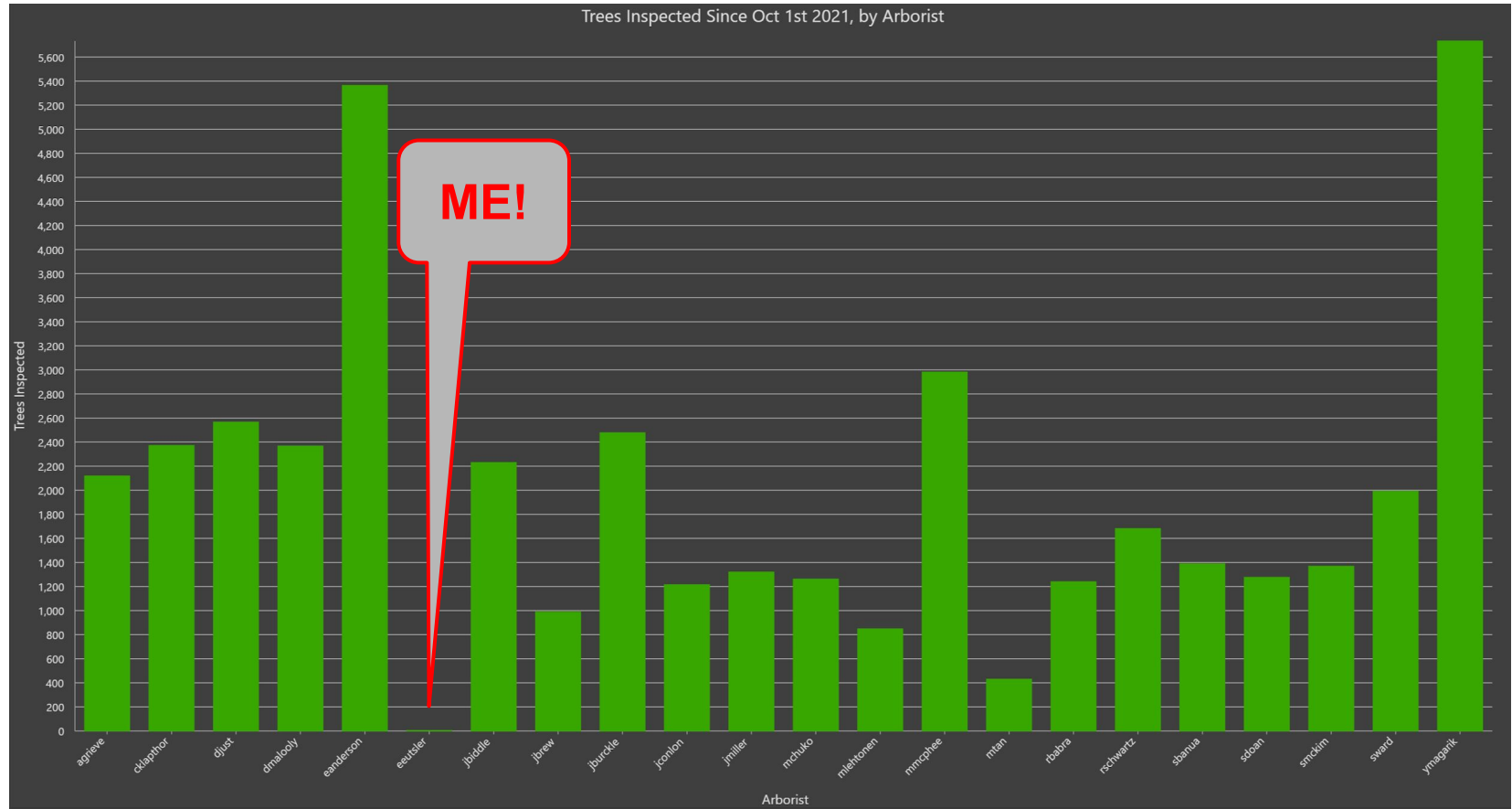
[Data Source](#)

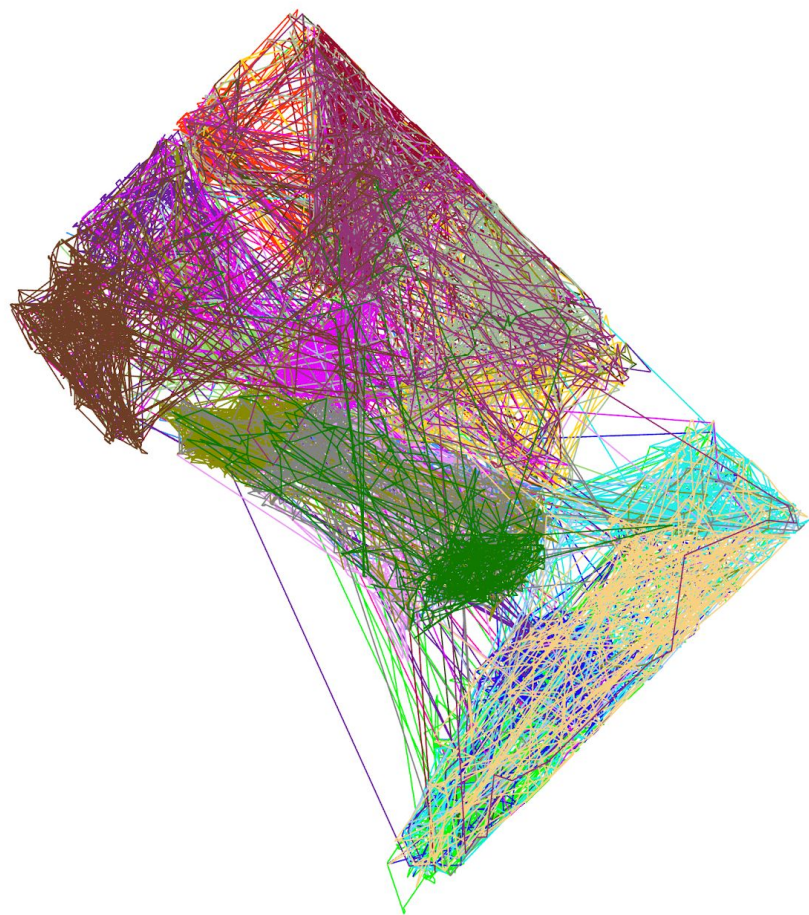


43,309 Trees Inspected in Fiscal Year 2021

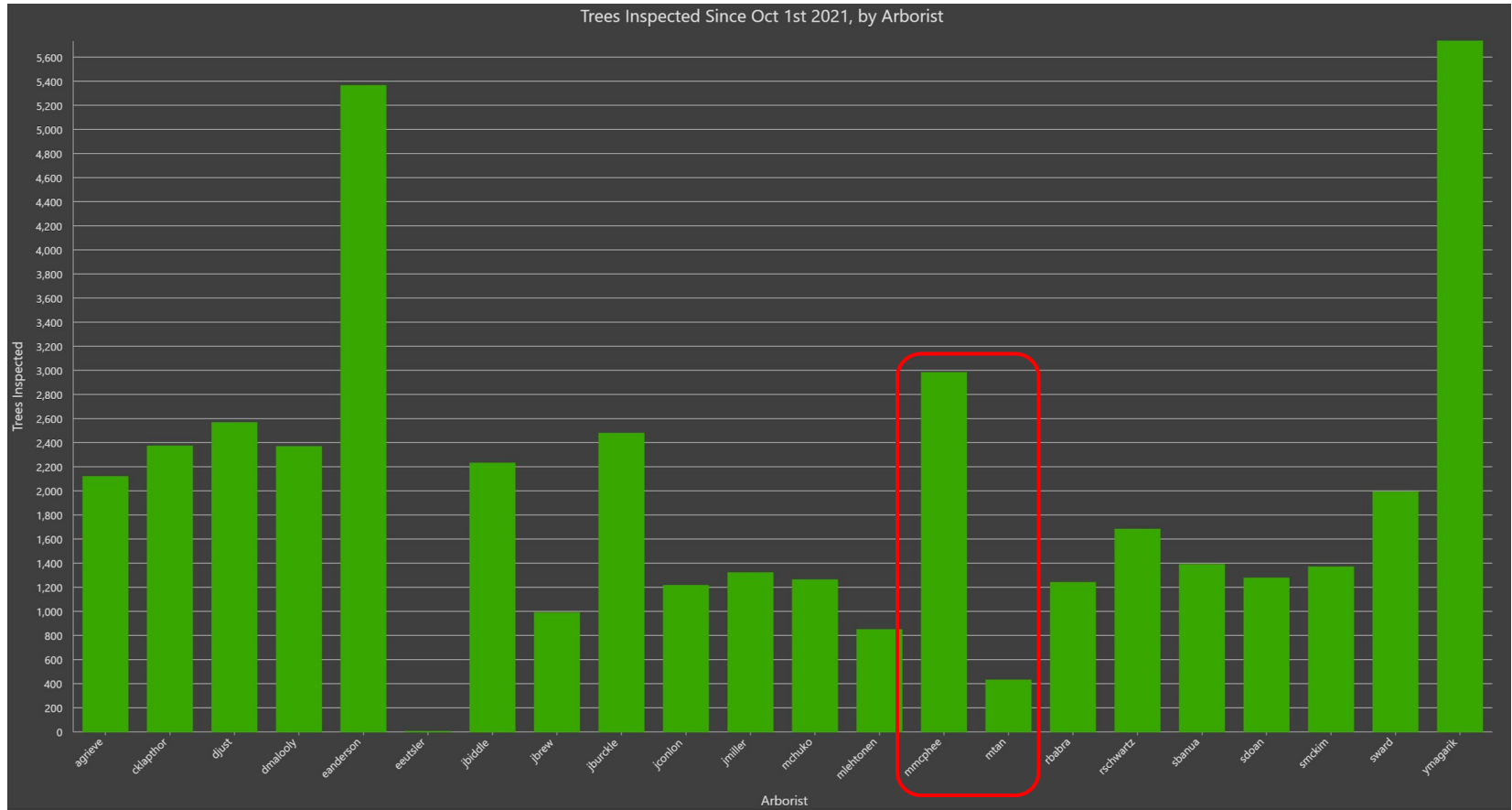


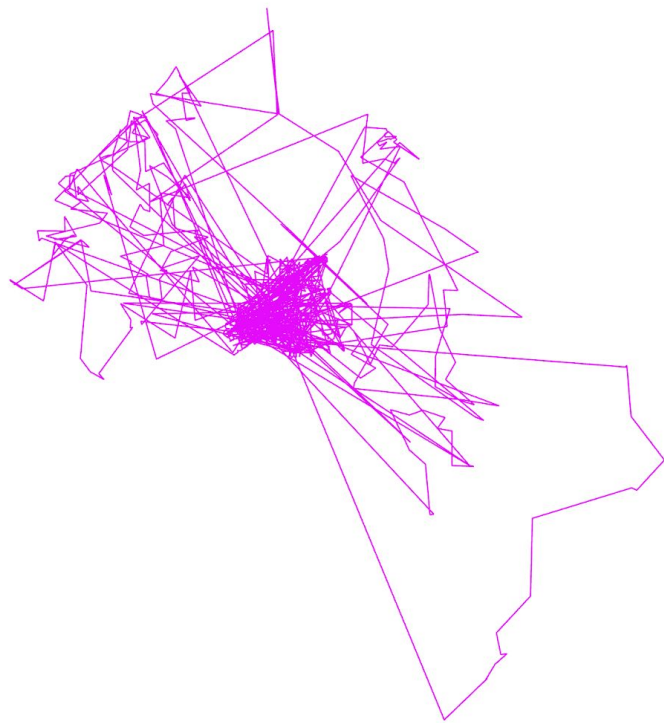
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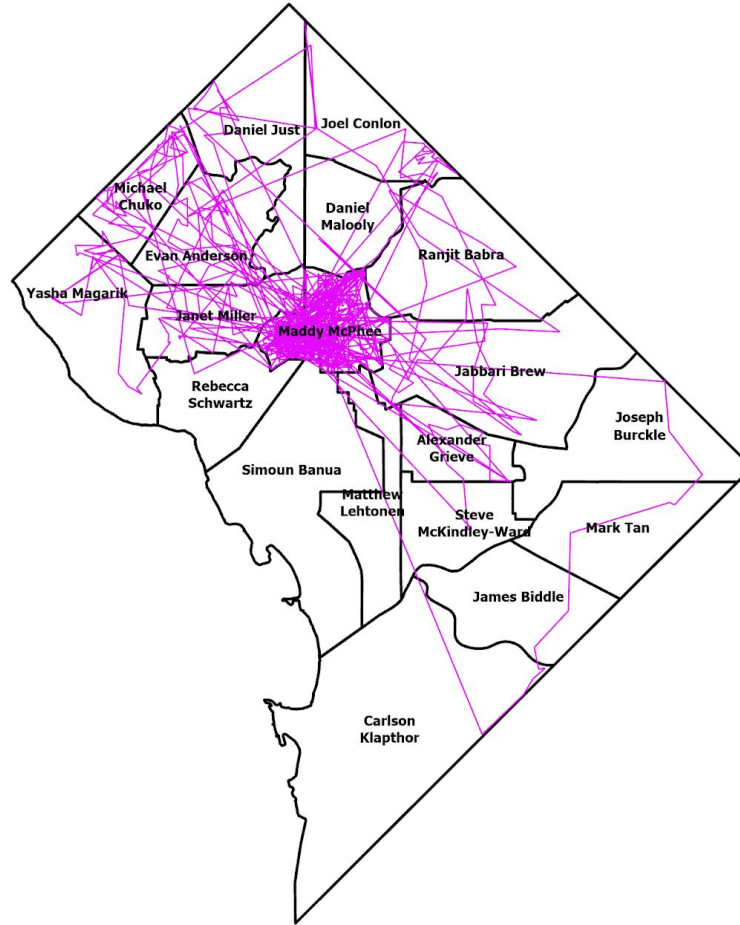


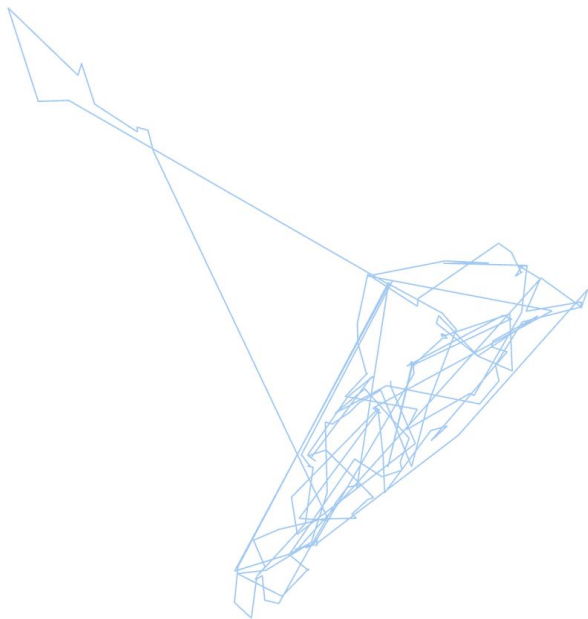


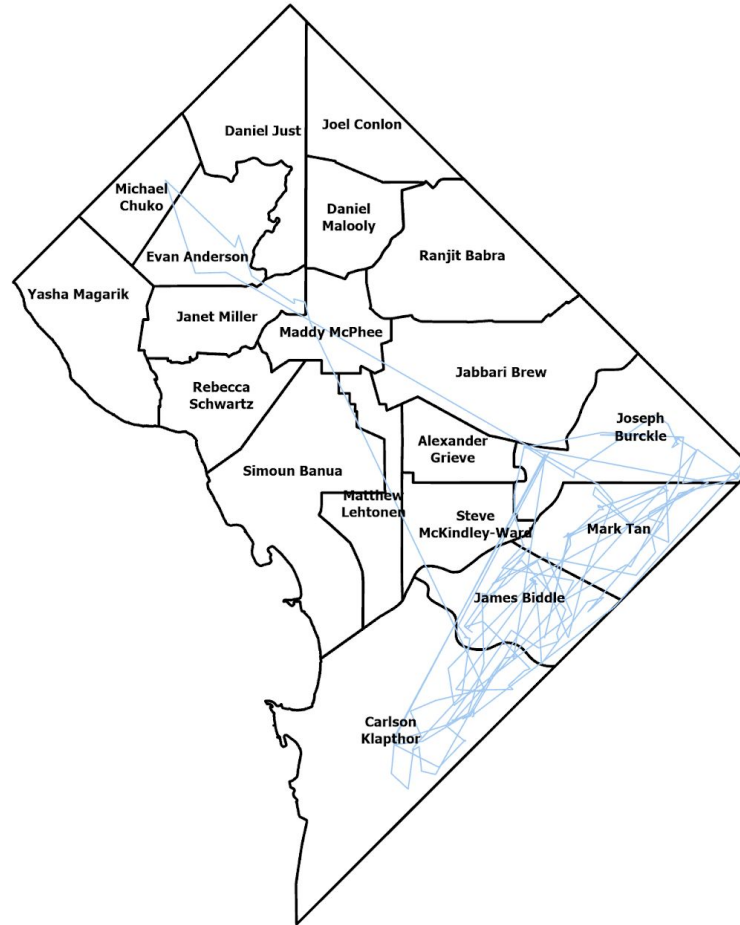
43,309 Trees Inspected in Fiscal Year 2021











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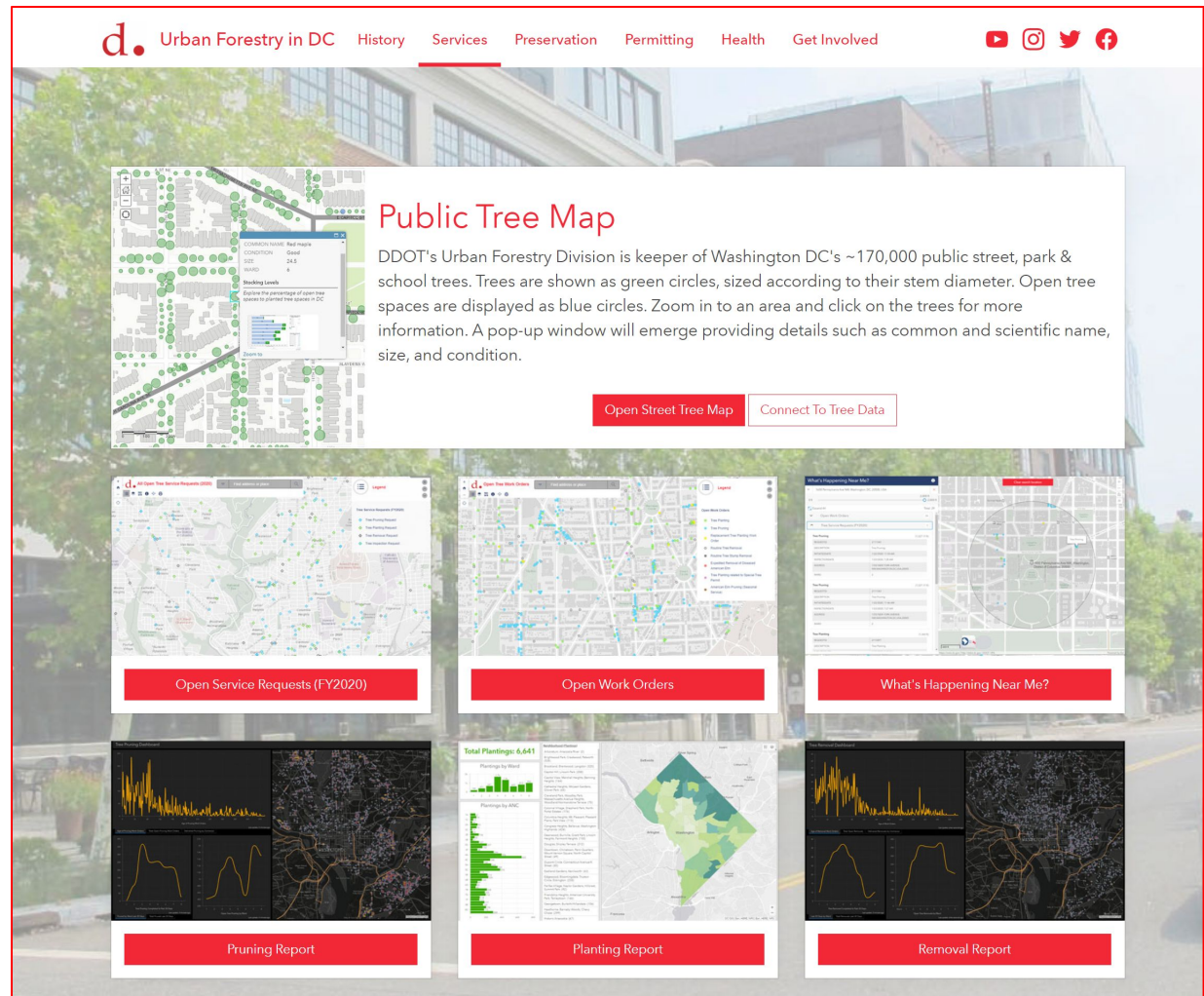
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Communicate

Inform

Engage



Communicate
Inform
Engage

Find address or place

U.S. Chamber of Commerce

Lafayette Square

Eisenhower Executive Office Building

White House

Tree Type:
Swamp white oak

Date Planted:
4/24/2019

Date Last Watered:
10/29/2020

Learn More

Water Tree Now

Help My Tree

SOURCE

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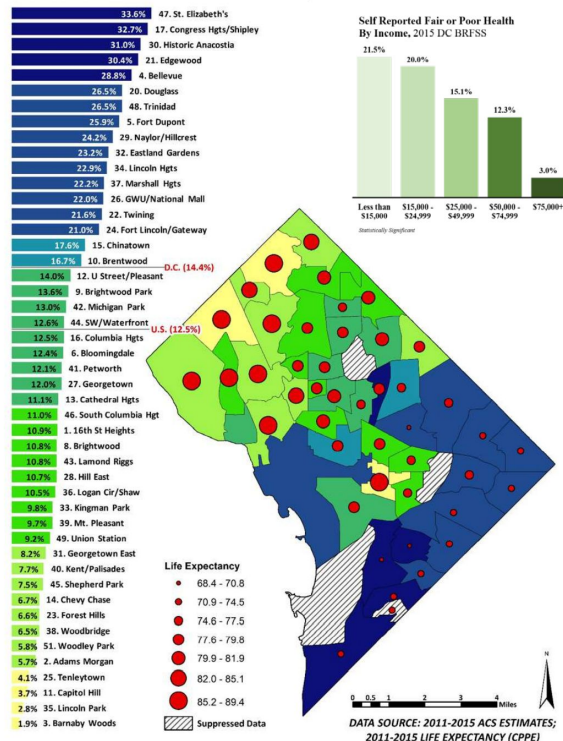
Income Distribution

- Median Household Income:
\$70,848 (\$53,889 Nat Avg)
- Poverty Rate: 18%
- 14.4% of District residents live on less than \$15,000 annually

INCOME by Neighborhood Group and Life Expectancy

Figure 5: Low Household Income (less than \$15,000/year)

PERCENTAGE OF HOUSEHOLDS EARNING LESS THAN \$15,000
(IN 2015 INFLATION-ADJUSTED DOLLARS)



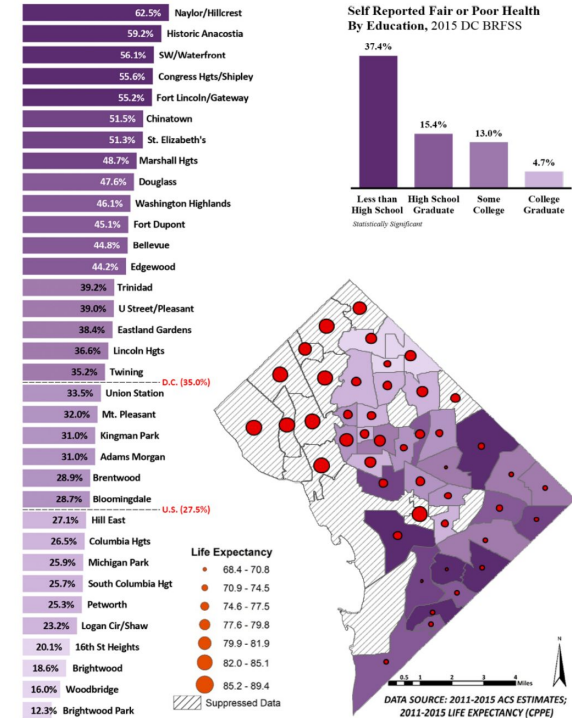
Educational Attainment

- 54.6% of District residents possess a bachelor's degree or higher (29.8% national avg)
- 35% of District residents aged 25 or older have yet to earn a high school diploma AND live in poverty.
- Educational Attainment has a direct correlation with poorer health outcomes.

EDUCATION by Neighborhood Group and Life Expectancy

Figure 3: Adults Without High School Diploma and Living in Poverty

PERCENTAGE OF ADULTS (25+) WITH LESS THAN HIGH SCHOOL DIPLOMA LIVING IN POVERTY



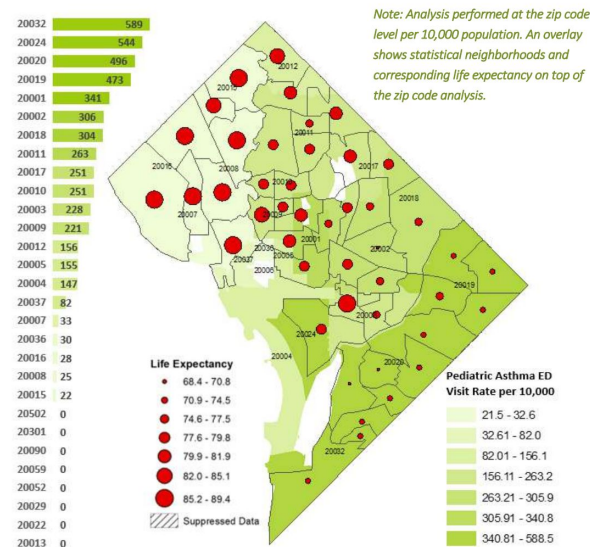
Asthma-Related Emergency Room Visits Among Youth

- Spatial patterns of severe pediatric asthma exist.
- Asthma-Related ER visits range from **21.5** per 10,000 youth to nearly **600** visits per 10,000 youth, by neighborhood.

OUTDOOR ENVIRONMENT by Zip Code and Life Expectancy

Figure 11: Pediatric (age 2 to 17) Asthma Emergency Room Visits, 2014-2016

RATE PER 10,000 PEDIATRIC (AGE 2-17) ASTHMA EMERGENCY ROOM VISITS



Data Source: Hospital Discharge Data 2014 – 2016, DC Hospital Association

Data Analysis: Center for Policy, Planning and Evaluation, DC Department of Health

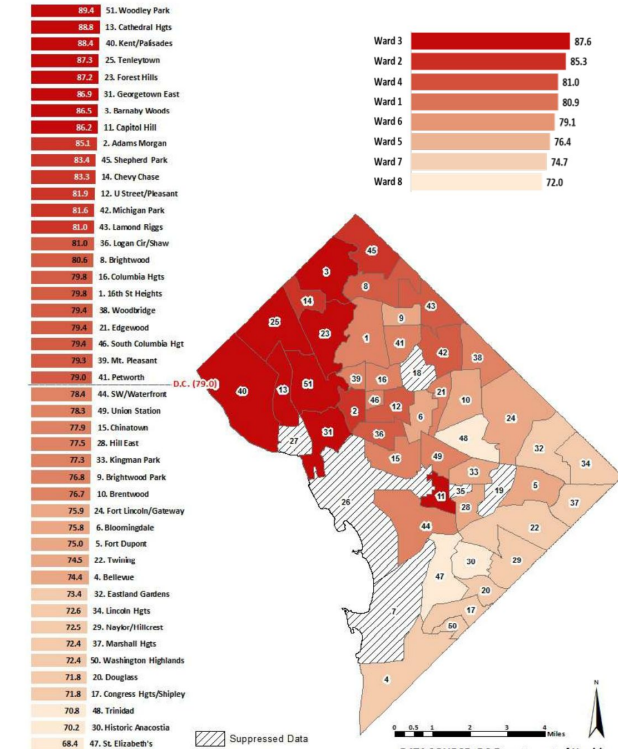
Life Expectancy

- As much as a **21 year difference** in life expectancy, based on where you live.
- Health is more than Healthcare.
- Health Inequities are not natural or inevitable.
- All policy can become health policy.

POPULATION HEALTH OUTCOMES by Neighborhood Group

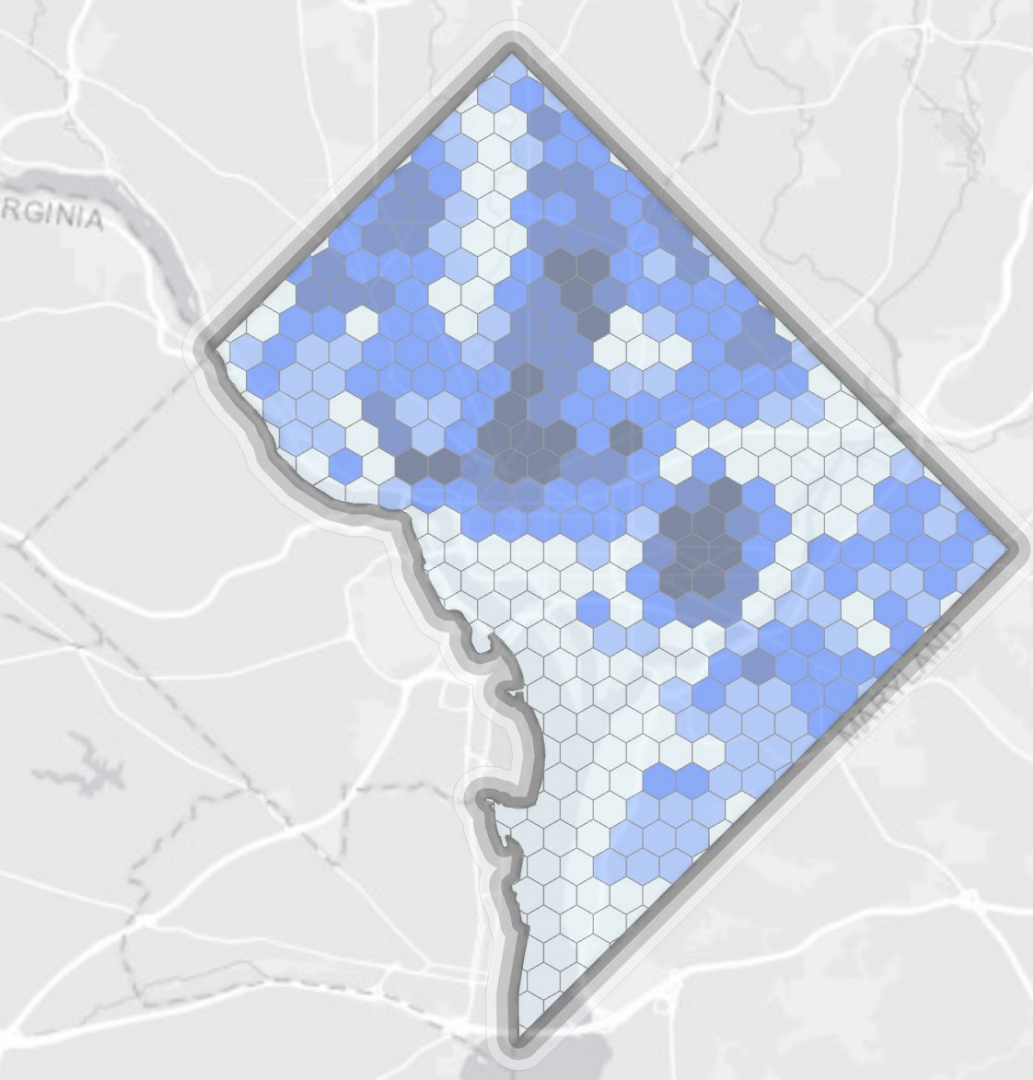
Figure 2: Life Expectancy at Birth (2011-2015) Years

LIFE EXPECTANCY AT BIRTH (2011-2015)



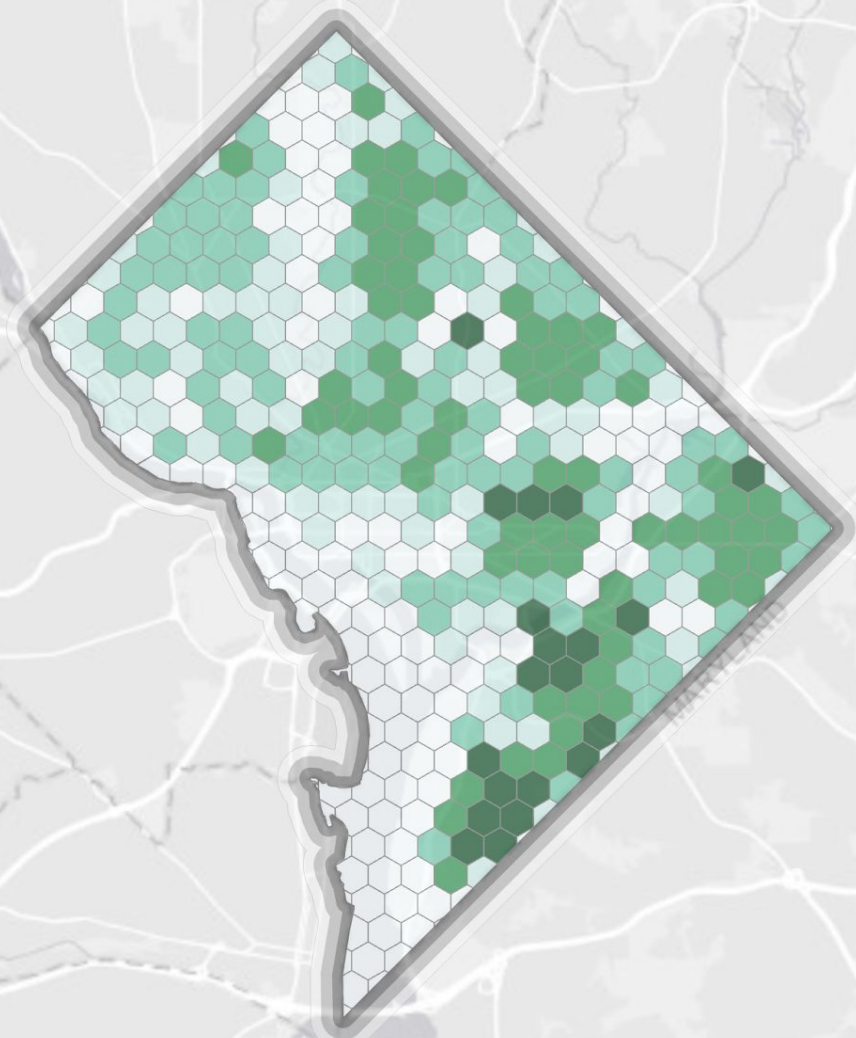
Summary of Requests for Tree Planting in the Past 5 Years

- **High Request Areas =
Fewer Open Spaces**
- **Low Request Areas =
Greater Open Spaces**

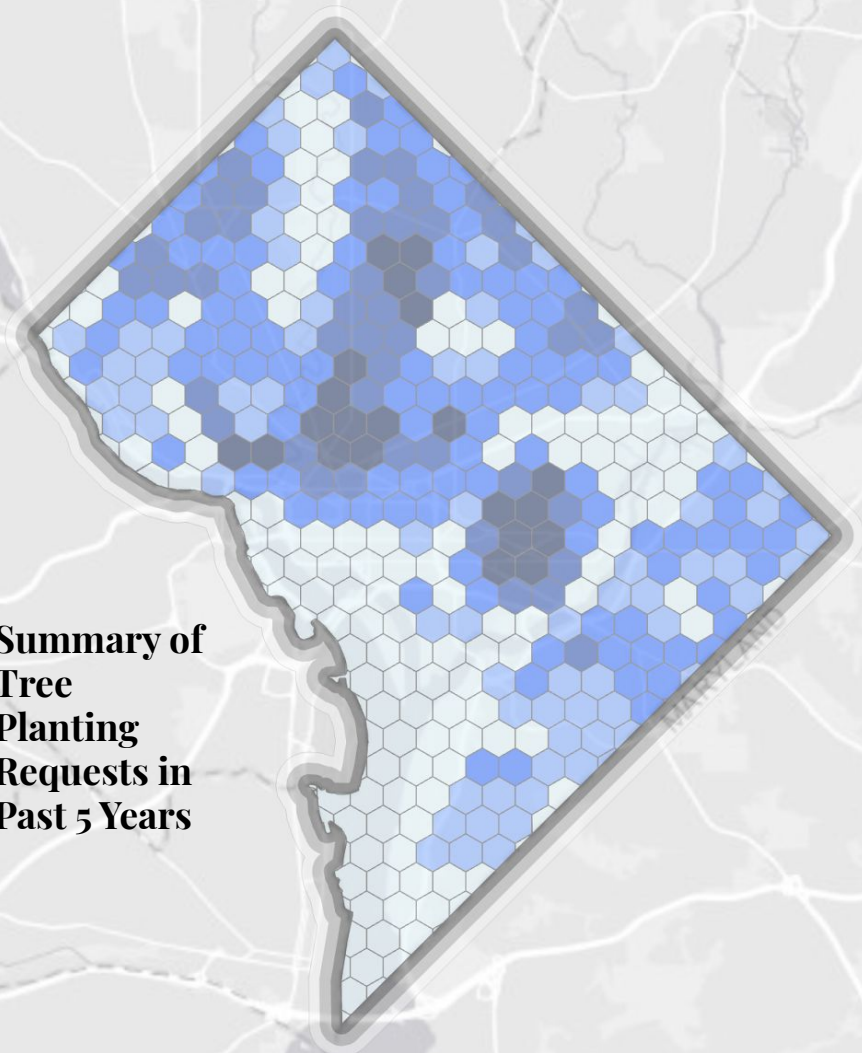


Summary of Trees Planted in the Past 5 Years

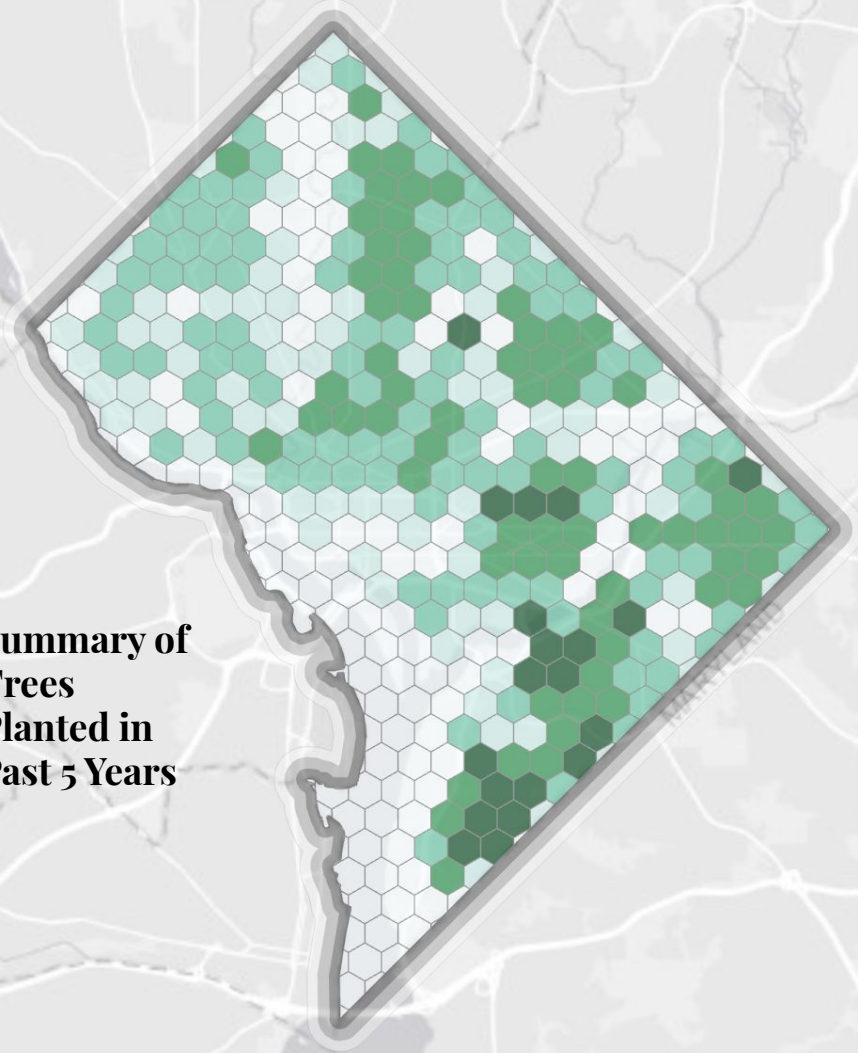
- **Matching Resources
Where Opportunity
is Greatest**
- **Reliance on Analysis
to Prioritize Planting**



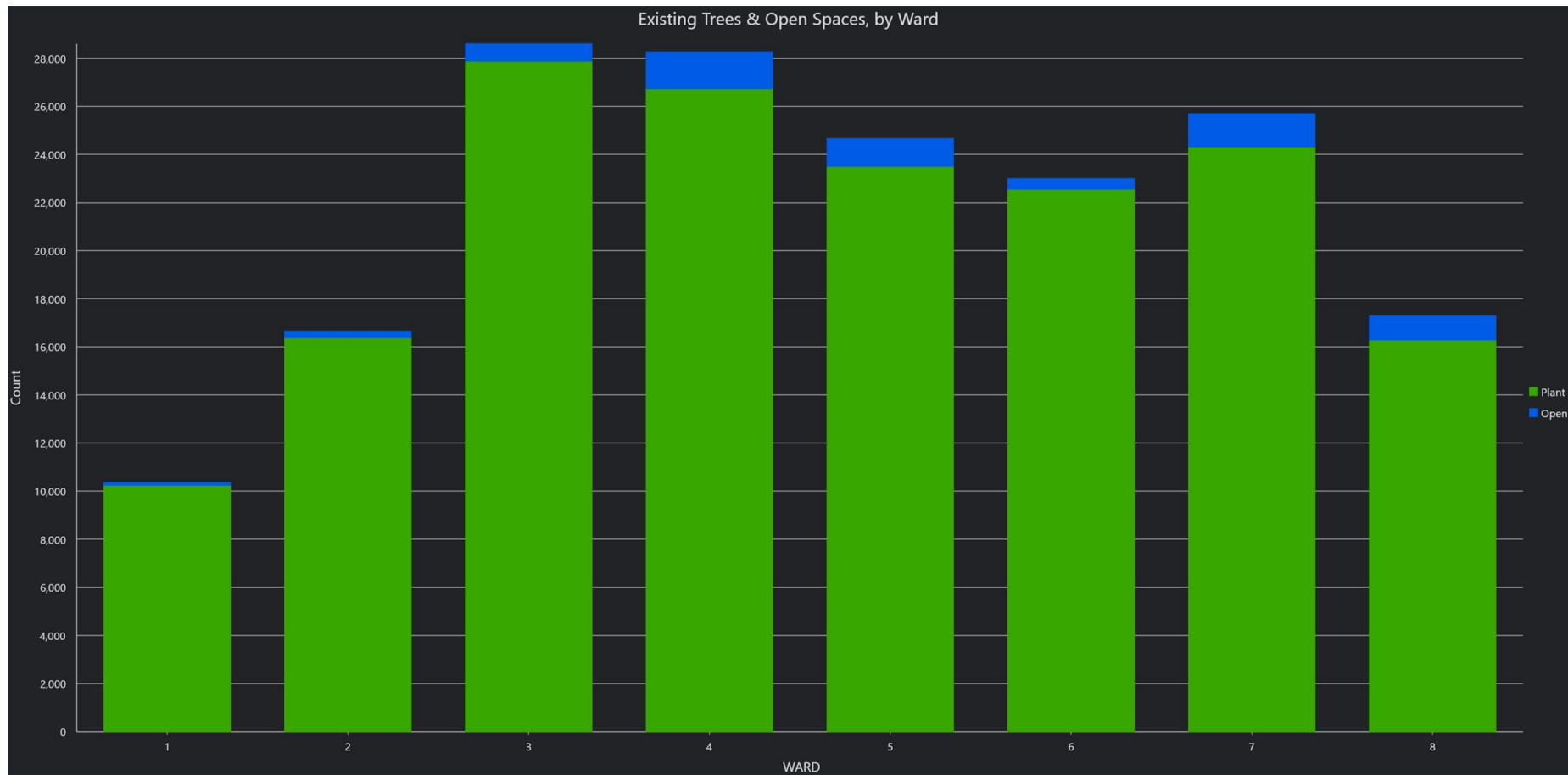
**Summary of
Tree
Planting
Requests in
Past 5 Years**



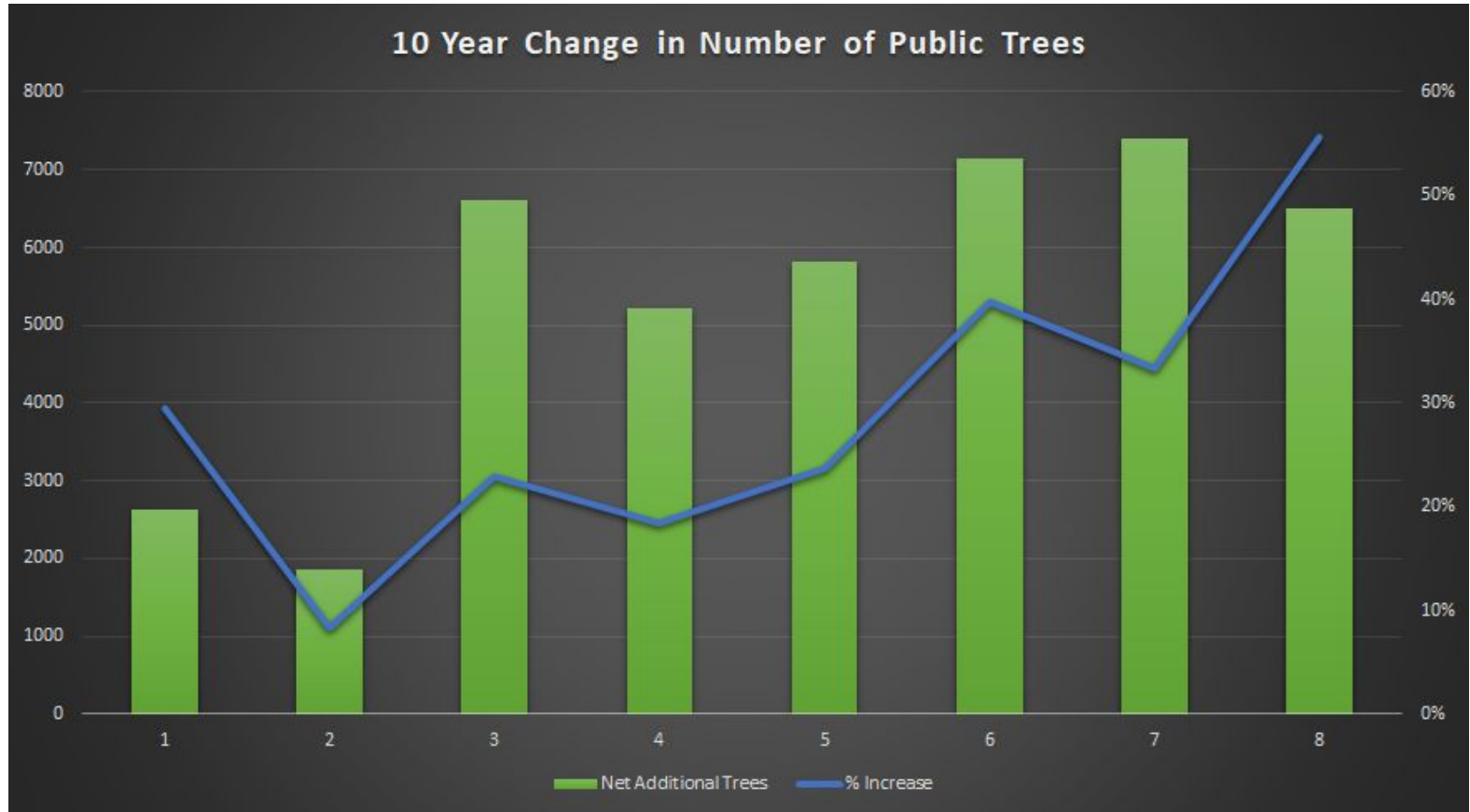
**Summary of
Trees
Planted in
Past 5 Years**



Current Street Tree Stocking Levels: 98.2% Planted Citywide



Stocking Levels: Substantial Increase in Total Trees in Past 10 Years



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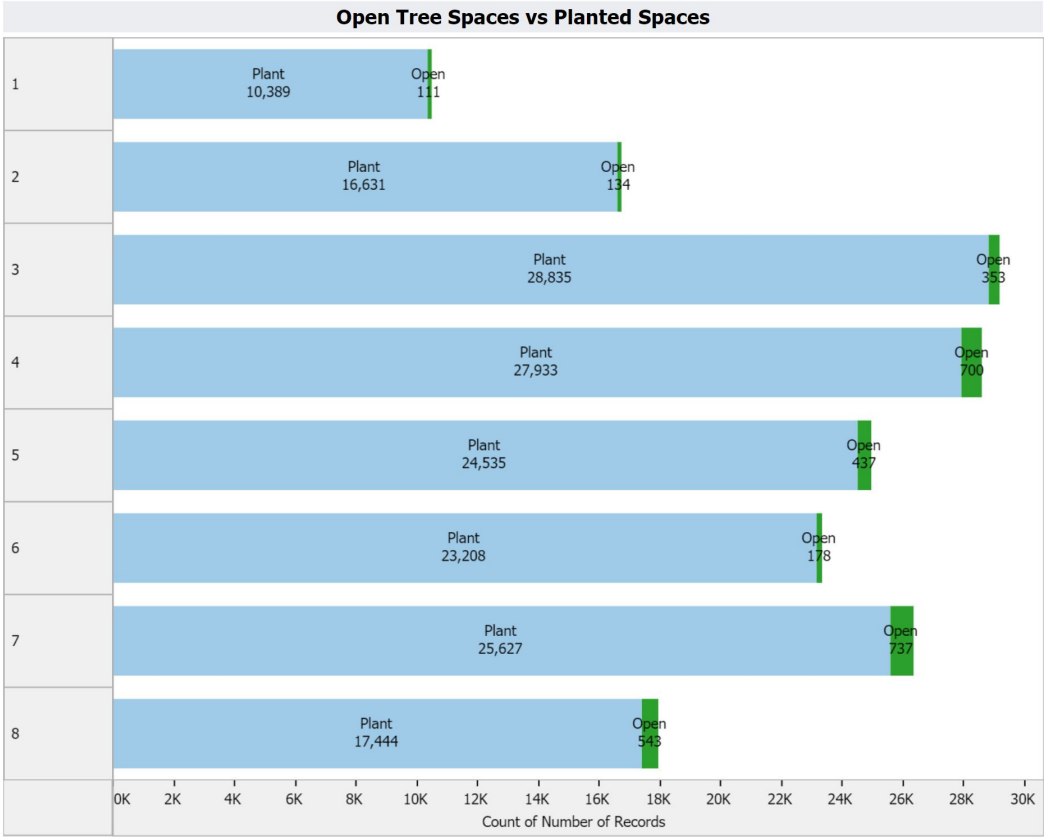
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Delivering Nature Based Solutions



Percentage of Open to Planted Tree Spaces	
Open	1.80%
Plant	98.20%

Tree Box Status	
Open	
Plant	

Total Number of Public Trees	
1	10,500
2	16,765
3	29,188
4	28,633
5	24,972
6	23,386
7	26,364
8	17,987
Grand Total	177,795

Sustained Improvements to Service Delivery



Thank you

Earl.Eutsler@dc.gov

DDOT Urban Forestry Division

www.ddottrees.com