

AGOL for Communication

EARL EUTSLER

DISTRICT DEPT. OF TRANSPORTATION

URBAN FORESTRY ADMINISTRATION



Urban Forestry Administration

“City of Trees”

Certified Arborists

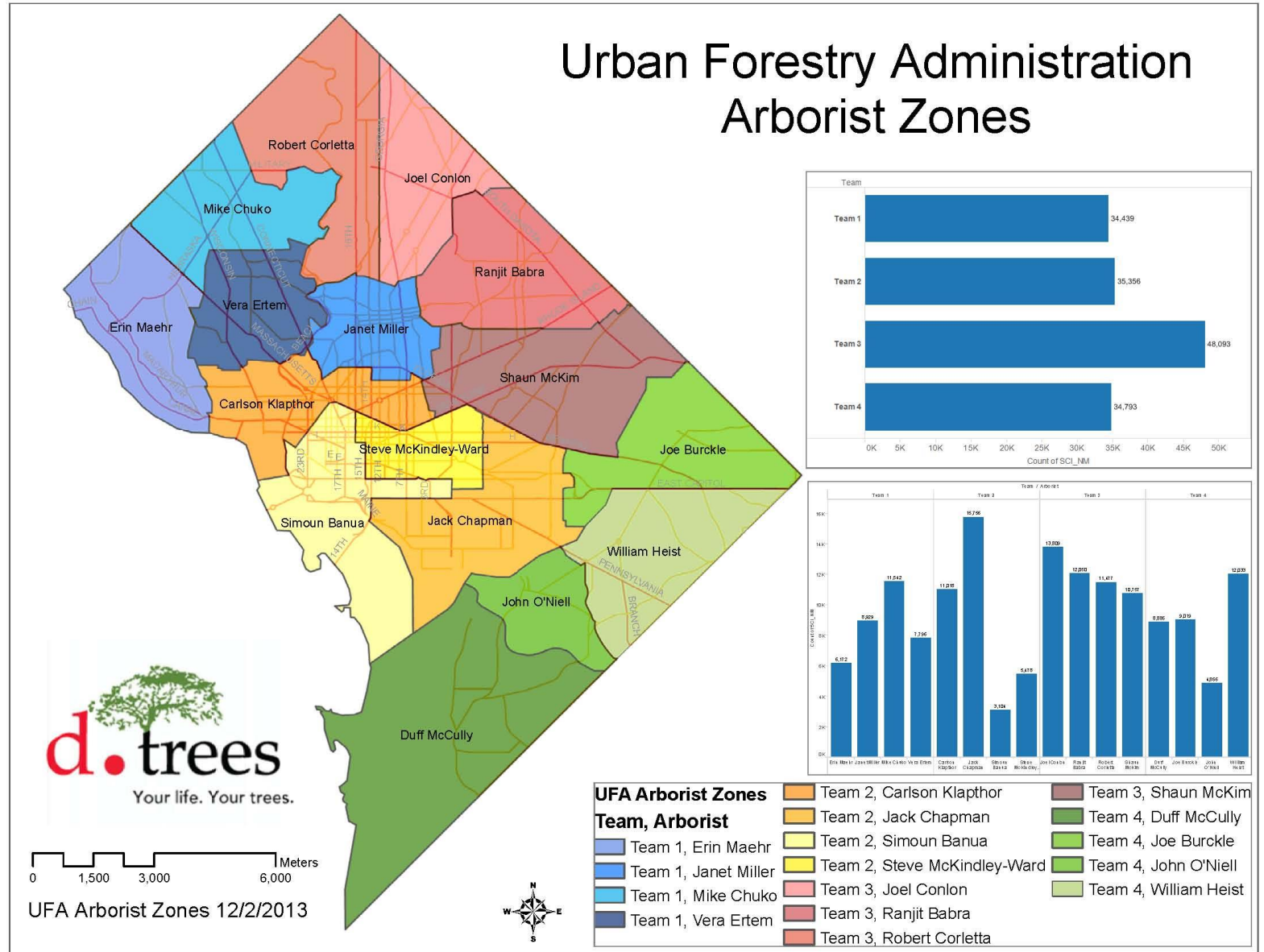
~130,000 Street Trees

Street Tree Focus

Green Infrastructure

Bike Trails

Honeybees

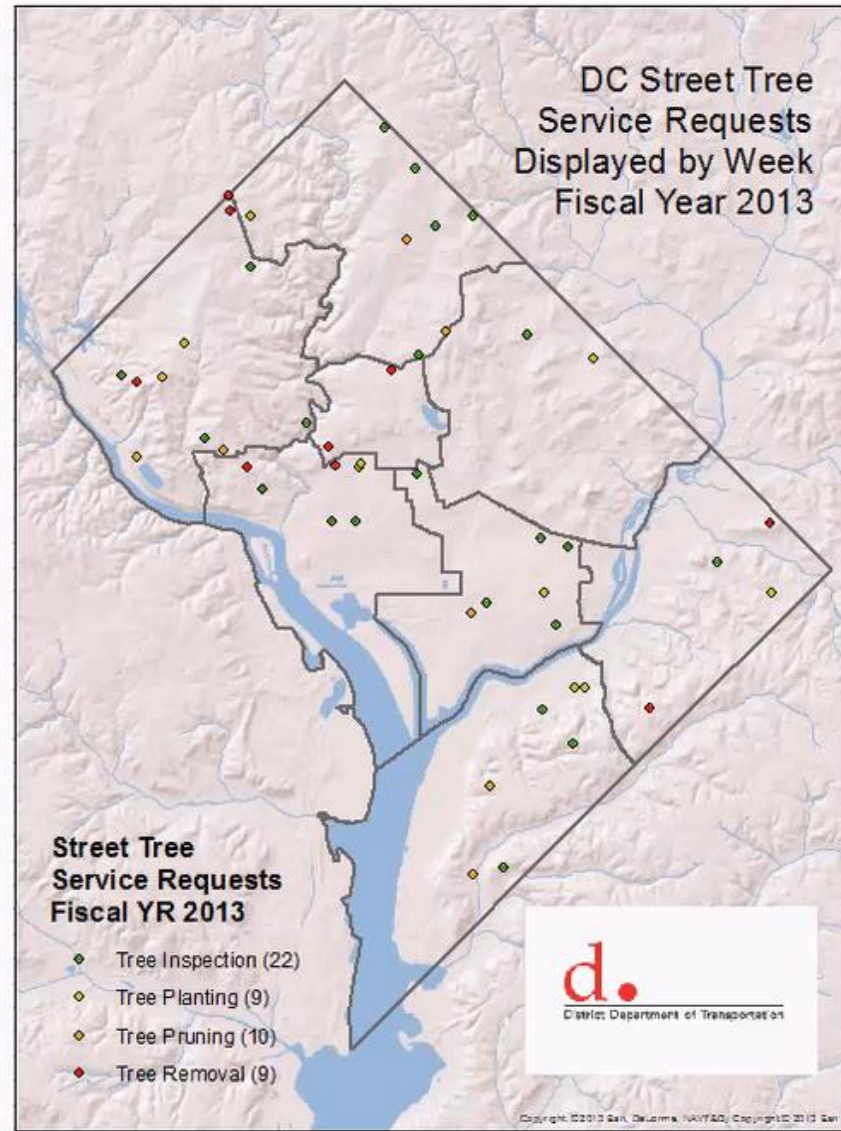


Urban Forestry Administration

Citizen Driven

~12,000 Requests Annually

Tree Planting



Urban Forestry Administration

An Evolution of Engagement



Level of Communication



Dynamic

- Relevant
- Engaging

Static

- Limited
- Not Timely

None

- No Trust
- No Partners

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One Decade Prior...

Limited Asset Management System

Staff Turnover

Substantial Service Backlog



Urban Forestry Administration

Initial Attempt:
Spreadsheet Approach



DC.gov ddot.dc.gov

District Department of Transportation

- DDOT Home
- DDOT Services
- Projects and Planning
- On Your Street
- About DDOT

District Department of Transportation





Office Hours
Monday to Friday, 8:15 am to 4:45 pm

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Washington, DC 20003
Phone: (202) 673-6813
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TTY: (202) 673-6813
Email: ddot@dc.gov



 Ask the Director

ADD THIS  Text Resize 

1	WorkOrderId	Description	Ward	Address
2	421290	TREE REMOVAL	1	1200 BLK NORTH CAPITOL ST NW
3	421655	TREE REMOVAL	3	2919 29TH ST NW
4	422557	TREE REMOVAL	5	1200 BLK LAWRENCE ST NE
5	421725	TREE REMOVAL	7	2808 ORDWAY ST NW
6	421770	TREE REMOVAL	2	1400 BLK K ST SE
7	422028	TREE REMOVAL	6	3381 NEW MEXICO AVE NW
8	422151	TREE REMOVAL	4	3217 E ST SE
9	422462	TREE REMOVAL	8	1432 JUNIPER ST NW
10	422357	TREE REMOVAL	1	5600 16TH ST NW
11	420955	TREE REMOVAL	3	ALLEY BEHIND 3111 CHANNING ST NE
12	422410	TREE REMOVAL	5	3200 BLK 36TH ST NW
13	420976	TREE REMOVAL	7	306 S ST NE
14	421405	TREE REMOVAL	2	123 Who's actually Looking
15	421508	TREE REMOVAL	6	2117 HUIDEKOPER PL NW
16	421376	TREE REMOVAL	4	456 Where am I?
17	421991	TREE REMOVAL (ELM - DED)	8	6244 EASTERN AVE NE
18	422252	TREE REMOVAL	1	OPP 2700 PORTER ST NW
19	421145	TREE REMOVAL	3	1200 BLK GIRARD ST NE
20	421669	TREE REMOVAL	5	601 D ST NW
21	421707	TREE REMOVAL	7	OPP 4603 7TH ST NE/ALLISON ST
22	421210	TREE REMOVAL	2	4820 RESERVOIR RD NW
23	421211	TREE REMOVAL	6	4408 15TH ST NW
24	421336	TREE REMOVAL	4	OPP 5904 BROAD BRANCH RD NW
25	421936	TREE REMOVAL	8	999 OMG
26	422156	TREE REMOVAL	1	1515 CRITTENDEN ST NW
27	422372	TREE REMOVAL	3	5721 16TH ST NW
28	420964	TREE REMOVAL	5	2211 32ND PL SE
29	421331	TREE REMOVAL	7	305 T STREET NW
30	421341	TREE REMOVAL	2	2008 5TH STREET NW
31	422470	TREE REMOVAL	6	3055 16TH ST NW

goDCgo



powered by d.

Your #1 resource for transportation information & options to make getting into and around the District easier than ever.

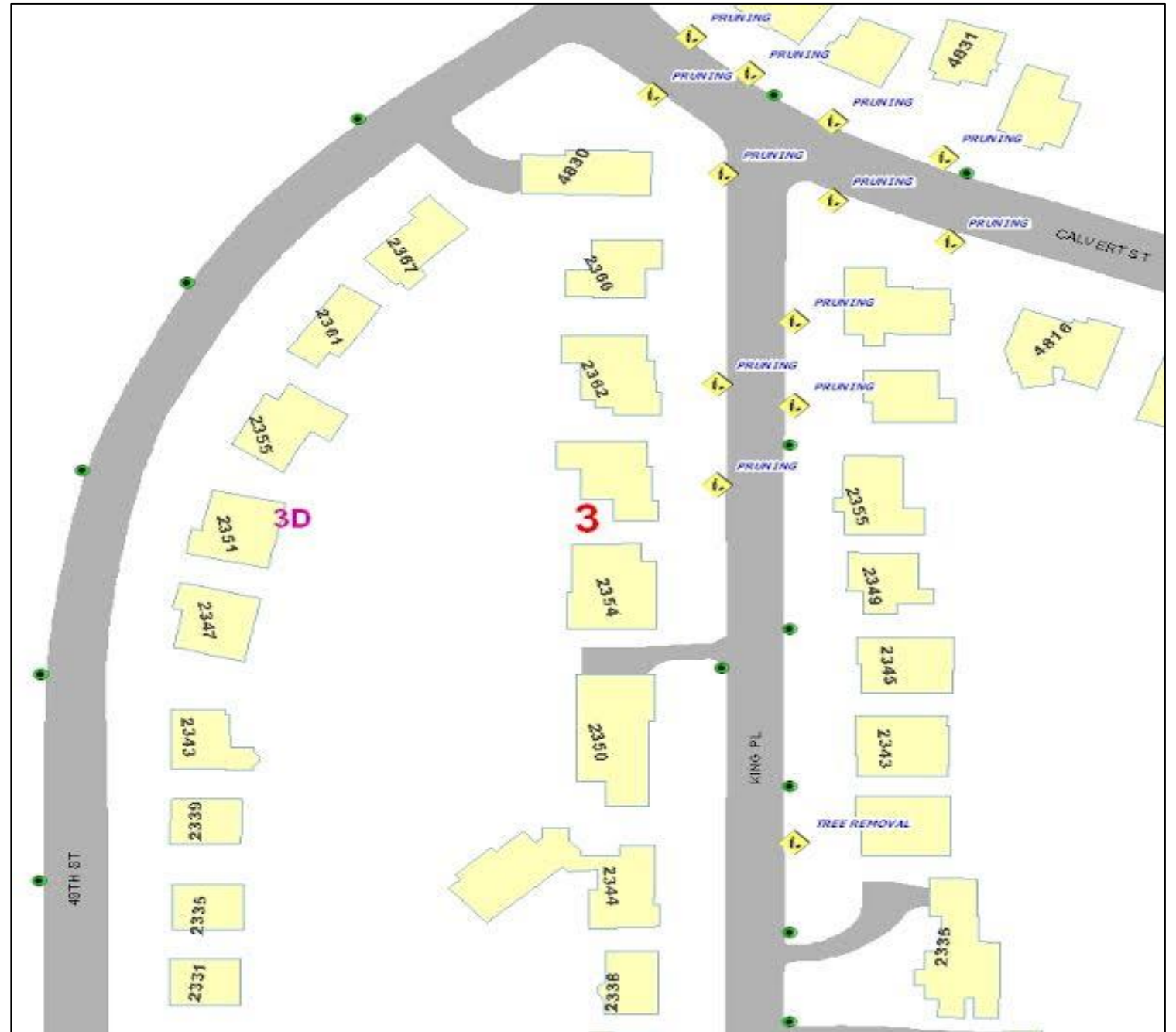
DC Streetcar



Urban Forestry Administration

The Methodology is Enhanced:

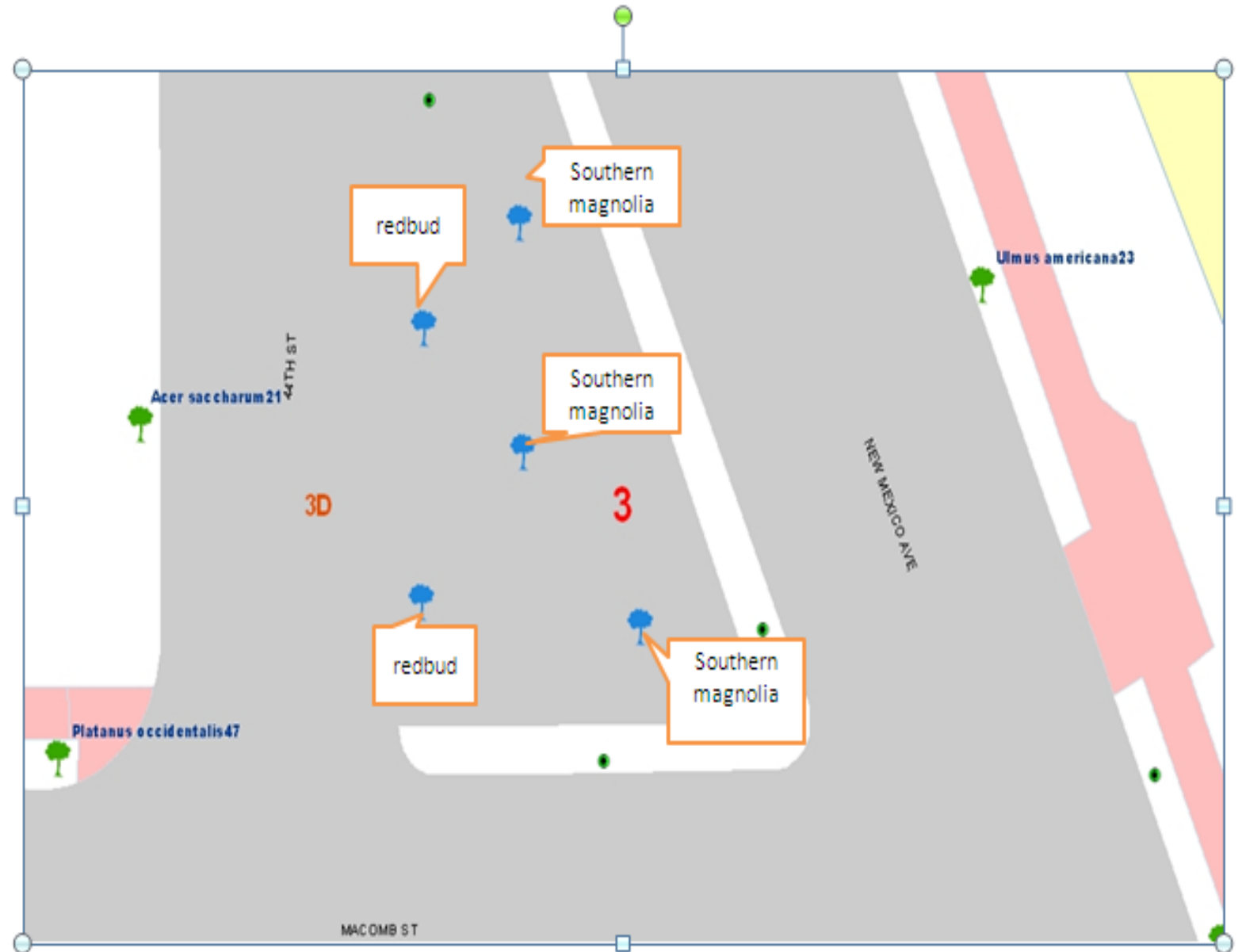
Map Screenshots



Urban Forestry Administration

The Methodology is Enhanced:

Map Screenshots

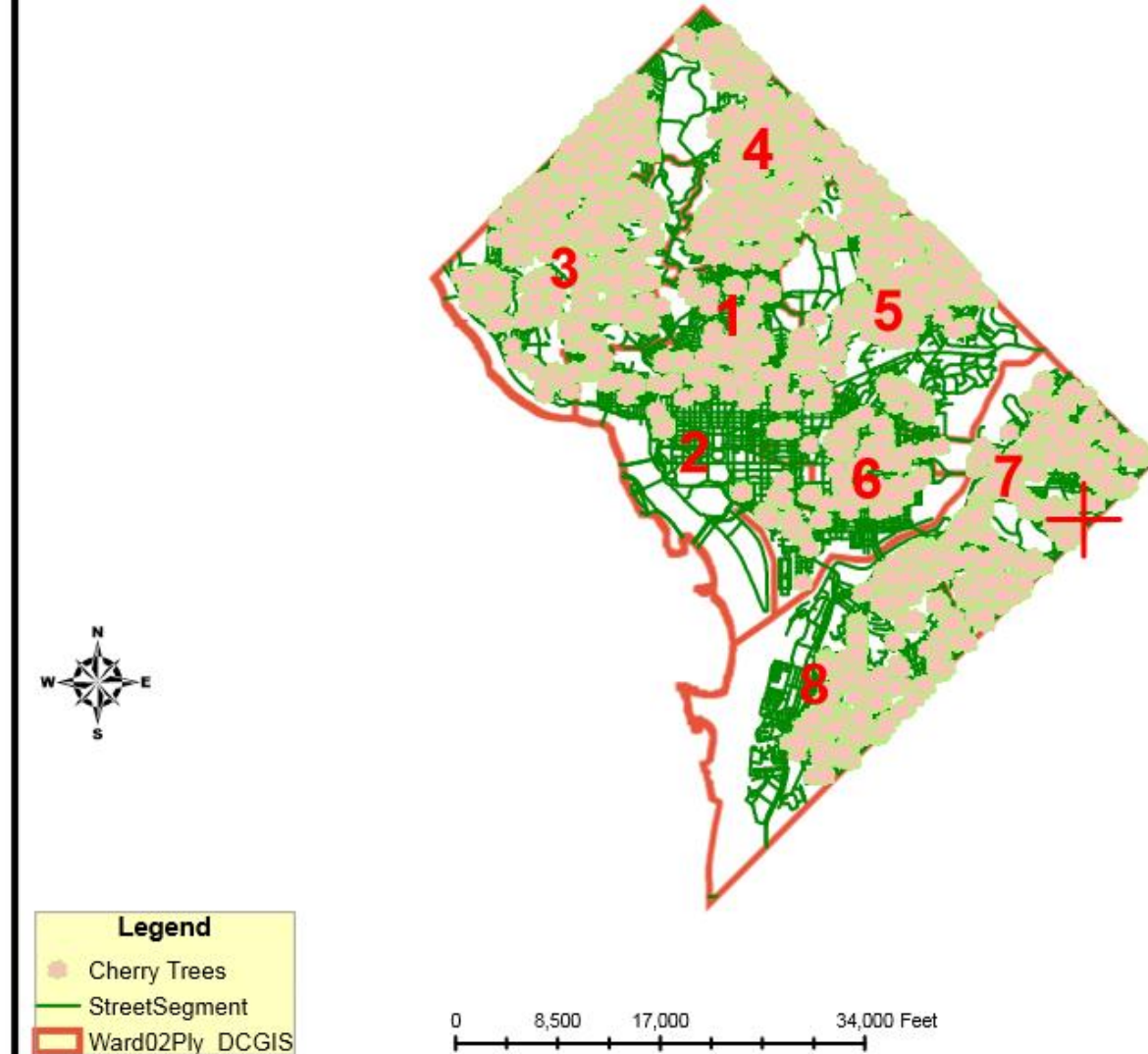


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Overloaded Map PDFs
Overwhelmingly Cluttered

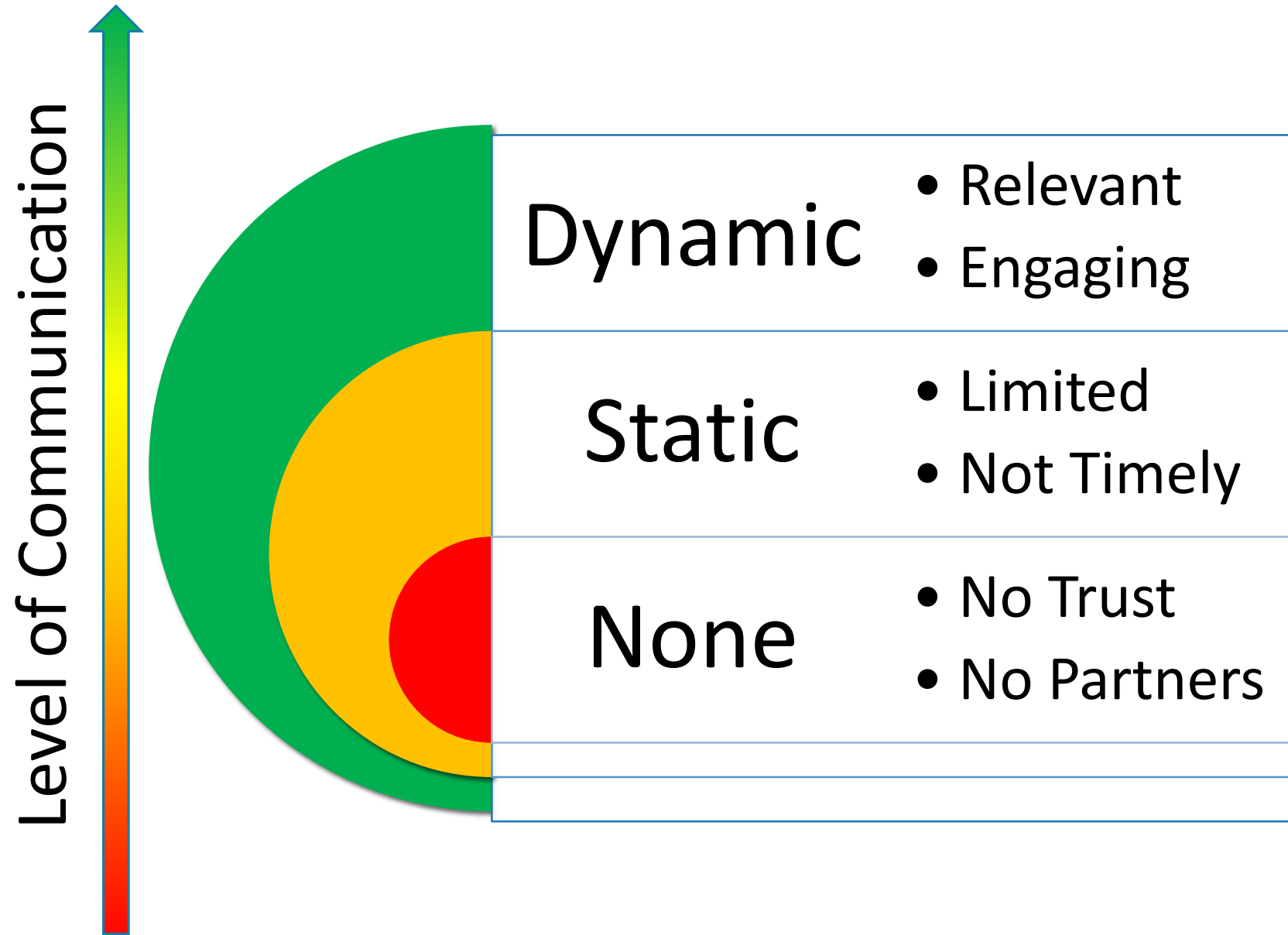


Cherry Street Trees



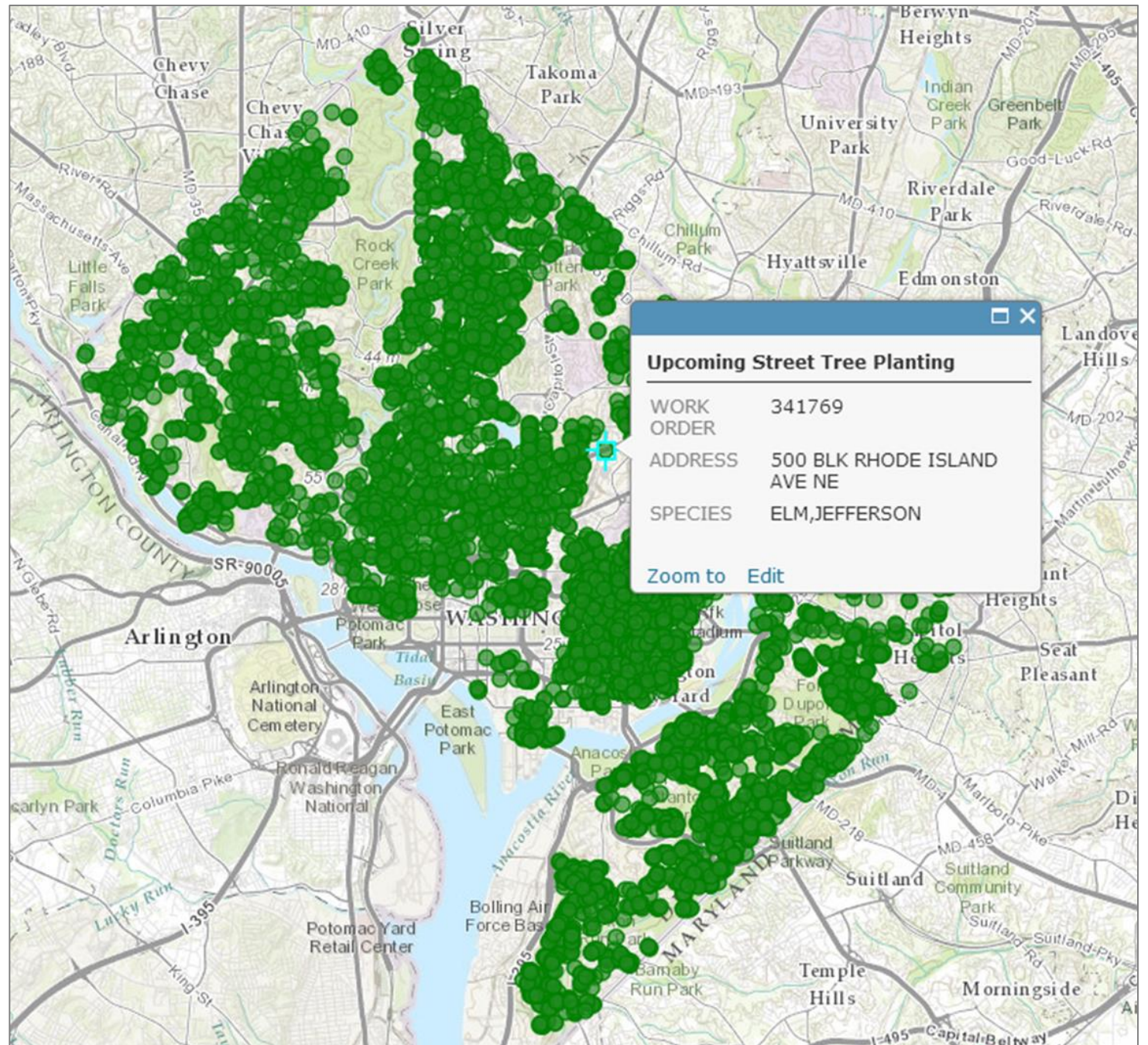
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Overview of Progression



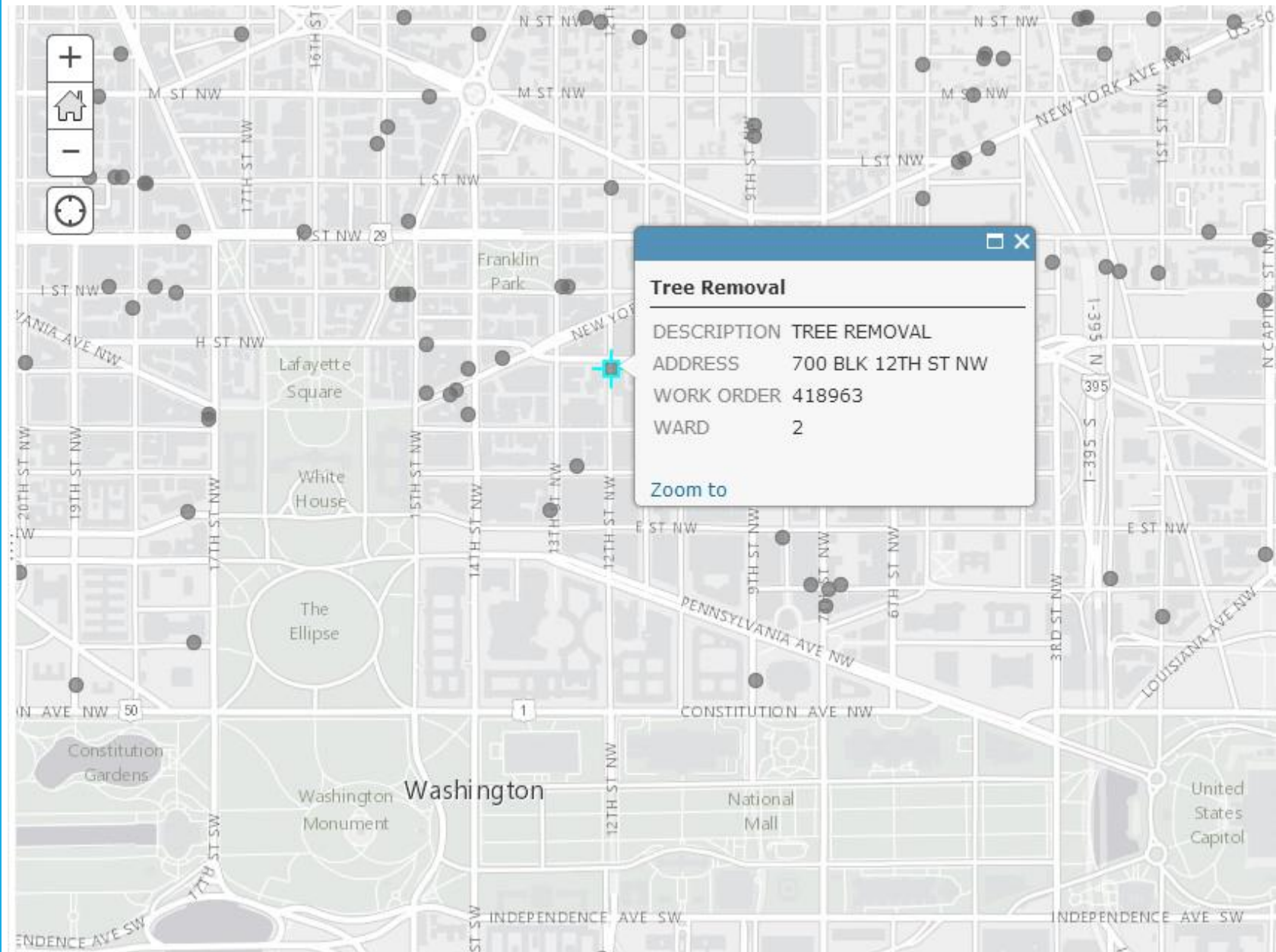
Urban Forestry Administration

The Birth of Web Mapping at Urban Forestry Administration



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The Birth of Web Mapping at Urban Forestry Administration



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The Birth of Web Mapping at Urban Forestry Administration



ArcGIS FEATURES PLANS GALLERY MAP GROUPS MY C

UFA FY14 Scheduled Street Tree Plant



Street Tree Planting Scheduled for 2013-2014

Web Map by earl.eutsler
Last Modified: September 18, 2013

★★★★☆ (1 rating, 11,569 views)

Facebook Twitter

OPEN SHARE EDIT DELETE MOVE

Description

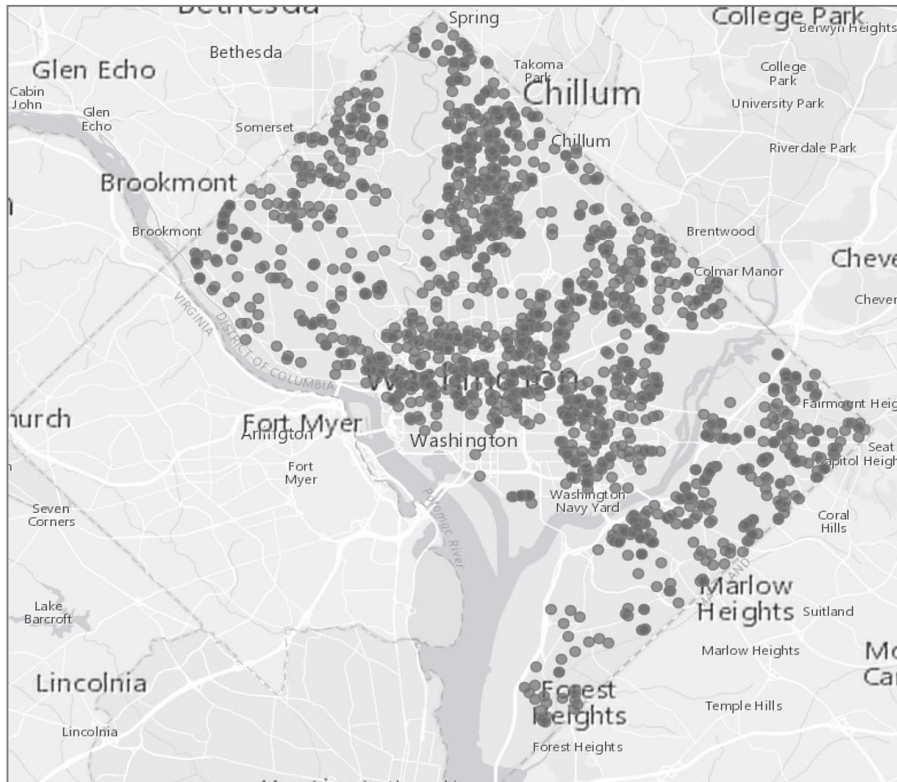
This map is created for the public by the DDOT Urban Forestry Administration. I

The screenshot shows an ArcGIS web map interface. At the top, there is a navigation bar with 'ArcGIS' and several menu items: 'FEATURES', 'PLANS', 'GALLERY', 'MAP', 'GROUPS', and 'MY C'. Below this is a blue header with the title 'UFA FY14 Scheduled Street Tree Plant'. The main content area features a map of the Washington, DC metropolitan area, with a star icon indicating the current location. To the right of the map, there is a title 'Street Tree Planting Scheduled for 2013-2014', the creator's name 'Web Map by earl.eutsler', the last modified date 'September 18, 2013', a star rating '(1 rating, 11,569 views)', and social media sharing options for Facebook and Twitter. Below the map and title, there is a row of action buttons: 'OPEN', 'SHARE', 'EDIT', 'DELETE', and 'MOVE'. At the bottom, there is a 'Description' section with the text 'This map is created for the public by the DDOT Urban Forestry Administration. I'.

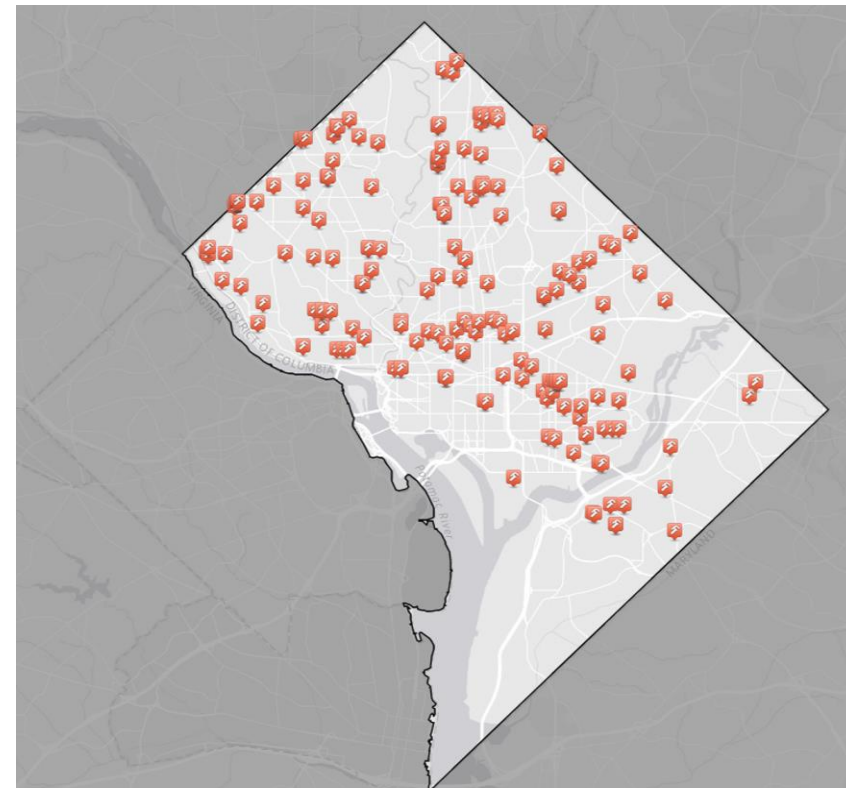
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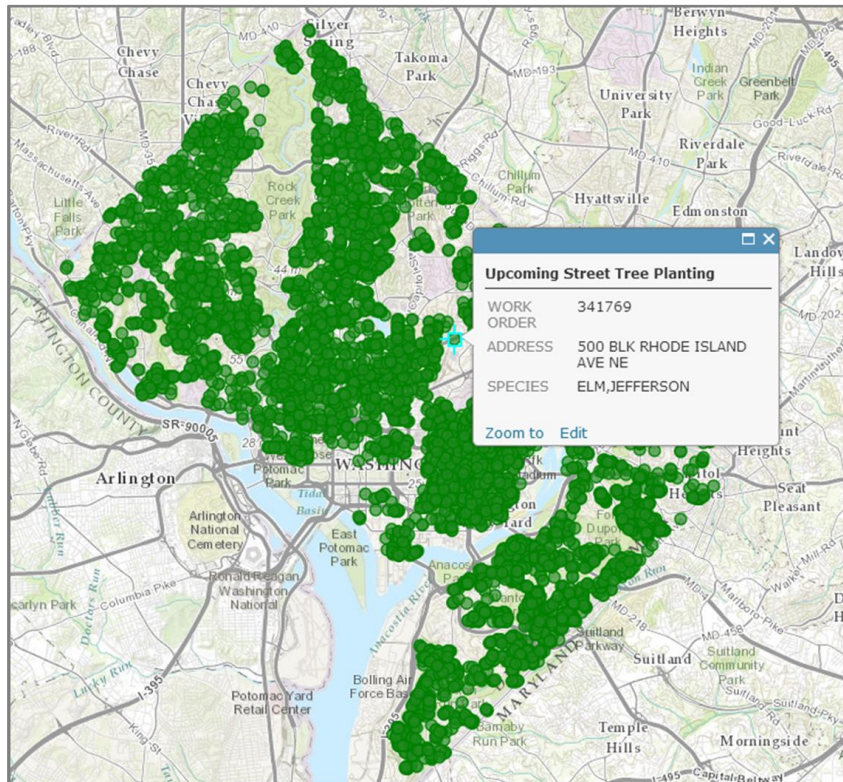
LATER REFINEMENT



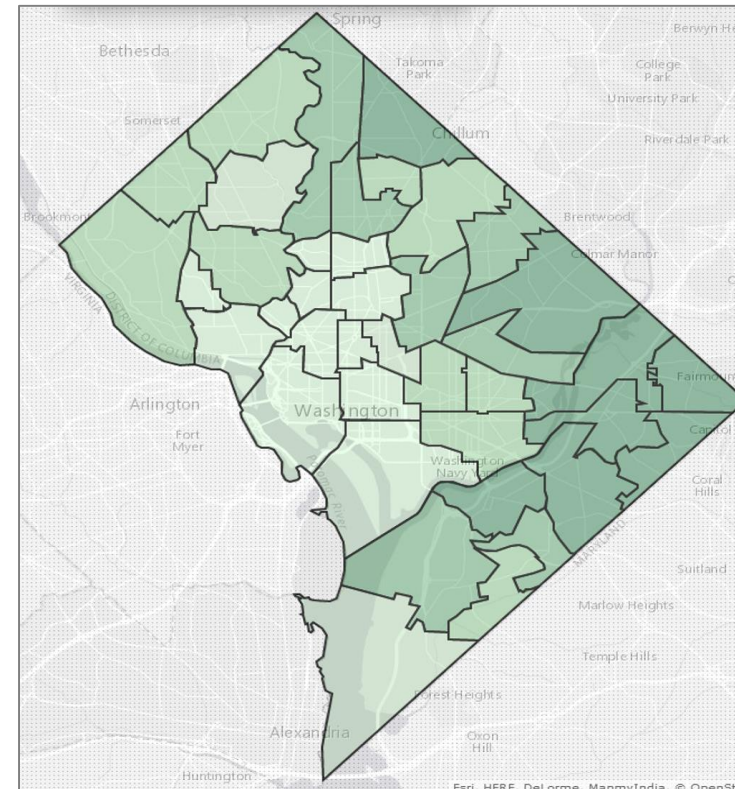
AGOL for Communication

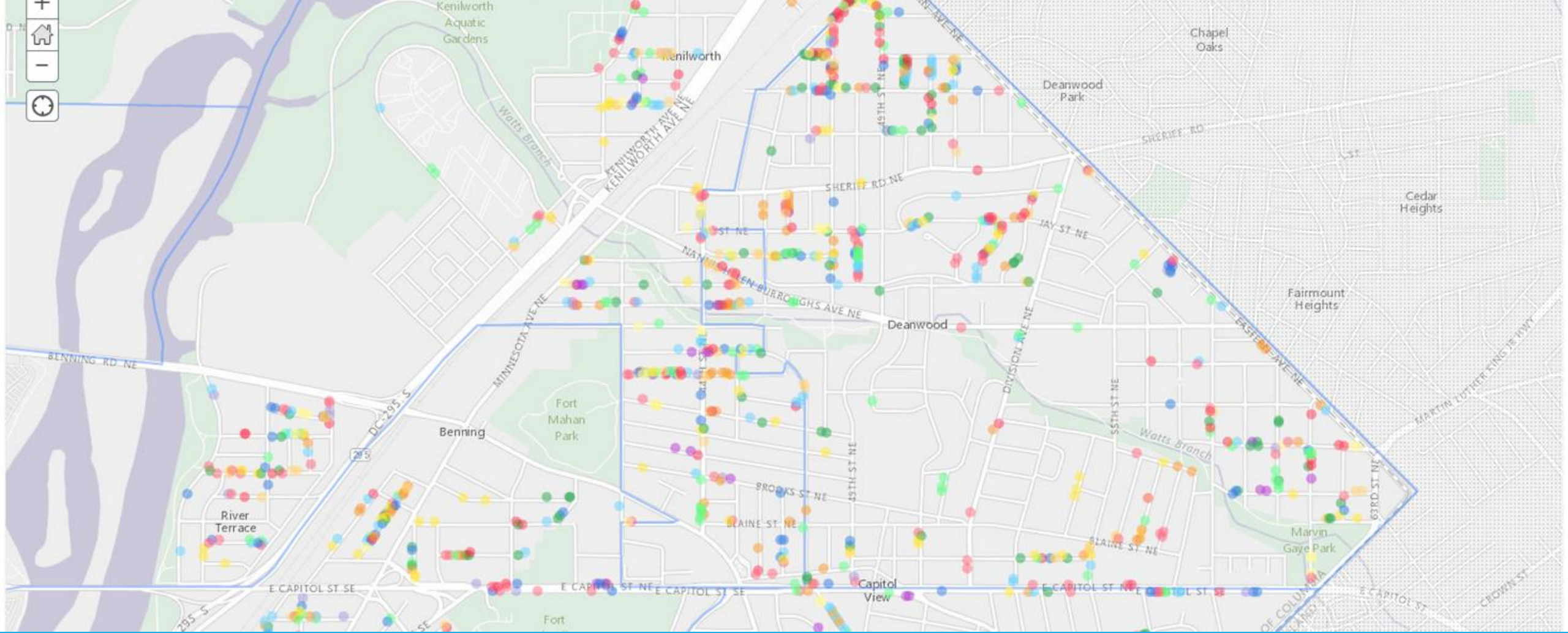


EARLY DESIGN



LATER REFINEMENT





Urban Forestry Administration

Species – based symbology to highlight diversity




Storymaps- The Pinnacle of Engagement

DOCUMENT STREET TREE VANDALISM

Street Tree Vandalism

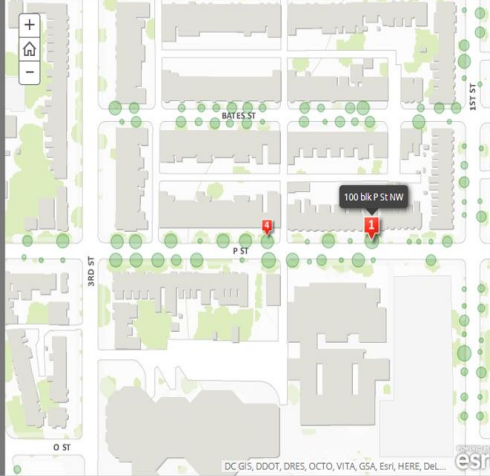
A storymap of vandalism among DC's public trees.

Trail of Recent Street Tree Vandalism. The photographs serve as examples of the types of wounds sustained by the trees. All told, DDOT's Urban Forestry Administration has identified over 750 street trees that were damaged during the recent rampage.




100 blk P St NW

This is one of the most egregious injuries inflicted



DC GIS, DDOT, DRES, OCTO, VITA, GSA, Esri, HERE, DeL...

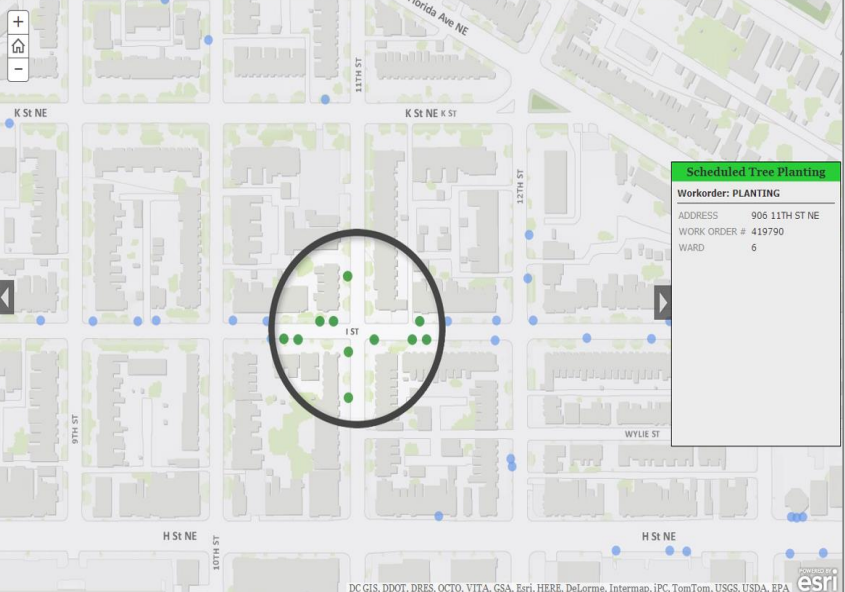


WILL A TREE BE PLANTED IN THAT SPACE?

Is Tree Planting Scheduled for that Open Tree Space?

DDOT's Urban Forestry Administration has a goal of planting every available street tree space. This mapping application was constructed to visualize our progress toward this goal.

A healthy, thriving street tree in every available space - that is the goal of **DDOT's Urban Forestry Administration (UFA)**. This mapping application allows users to visually compare the progress UFA has made toward this goal. Available street tree spaces are depicted as **blue circles** and tree planting work orders are shown as **green circles**. The circular spyglass viewer can be panned across the map, revealing existing tree planting work orders associated with these open tree spaces. Click on the **green tree planting circles** for additional details on each location.



Scheduled Tree Planting

Workorder:	PLANTING
ADDRESS:	906 11TH ST NE
WORK ORDER #:	419790
WARD:	6

DC GIS, DDOT, DRES, OCTO, VITA, GSA, Esri, HERE, DeLorme, Intermap, iPC, TomTom, USGS, USDA, EPA

The emerald ash borer may impact trees in the District on both public and private property. Washington, DC is home to approximately 140,000 street trees with an overall urban tree canopy of ~37%. Relatively few street trees consist of ash species, roughly just over 1.5% or 215 ash trees are located along in the public right of way. The Urban Forestry Administration is currently surveying ash street trees for evidence of EAB activity and infested trees will be treated or removed. However, many ash trees reside on private property and may be at risk of infestation due the combination of EAB populations in neighboring states and the strong flight capability of EAB. Emerald ash borer females are capable of flying an average of 1 mile per day.








LEGEND

Emerald Ash Borer Sighting



Public Ash Tree

-  2.0" - 7.4"
-  7.4" - 12.9"
-  12.9" - 20.5"
-  20.5" - 32.0"
-  32.1" - 45.5"




(1 of 2) X

Location: In Rock Creek Park, near pavilion, just west of 16th st overpass

Emerald Ash Borer in Washington, DC

Emerald Ash Borer was recently detected in the District. Click the image below to view a gallery of recent sightings.



Zoom to

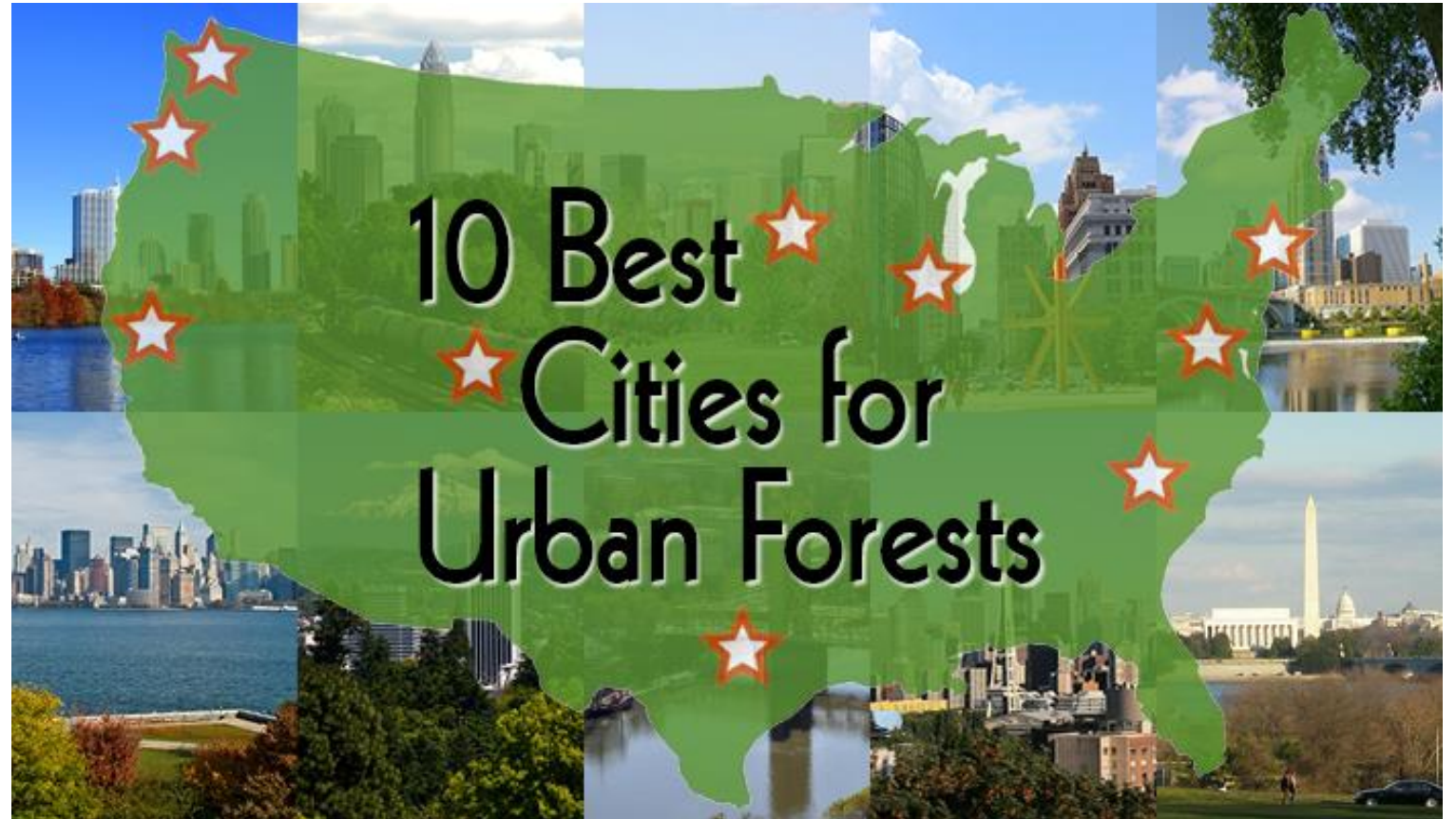
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Response to Recent Invasion of Emerald Ash Borer



Urban Forestry Administration

An Organization Transformed



All cities in the American Forest Case Study

The case study provided the District the opportunity to see where our challenges exist in other cities as well as where innovation is happening. The District has used the case study to look at the specific areas that were highlight by American Forests see how we compared. We looked at as many of the data points that were presented and each city had information on. From these data points we looked for commonalities and differences between programs, geography, population, temperature, rainfall and others. The

LEGEND

Urban Forestry Programs Compared

- 17% - 20% Canopy Cover
- 20% - 23% Canopy Cover
- 23% - 26% Canopy Cover
- 26% - 30% Canopy Cover
- 30% - 37% Canopy Cover



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