Teams Chat from the
August 5th, 2022, Teams Community Forestry Network Meeting

Regional Tree Canopy Analysis Updates:
Presentations of New and Ongoing Efforts in the Collection and Analysis of Tree Canopy Data in the Metropolitan Washington Region

Introductions:

[8/5 10:58 AM] Wyetha Lipford
Good Morning everyone! Please enter your name and affiliation in the chat box. - Thank you.

[8/5 10:59 AM] Ronayne, Michael
Mike Ronayne - Urban Forester for Loudoun County

[8/5 10:59 AM] Leslie, Bret
Bret Leslie, Fairfax County Tree Commission

[8/5 11:01 AM] Morgan Housden
Hi, Thanks for hosting this webinar!

[8/5 11:01 AM] Karen Metchis (Guest)
Karen Metchis, MoCo Climate Action Plan Coalition

[8/5 11:03 AM] Law, Neely
Neely Law, Fairfax County, OEEC

[8/5 11:03 AM] Chris David
Chris David, American Forests

[8/5 11:04 AM] Colt Gregory (Guest)
Gregory, Colt - Arlington Regional Master Naturalists

[8/5 11:04 AM] Meoli, Christian
Christian Meoli, Prince George's County, MD - Environmental Planning Section (M-NCPPC)
like 1

[8/5 11:04 AM] Kelly Collins Choi
Kelly Collins Choi, Casey Trees

[8/5 11:05 AM] Shannon Philbin
Shannon Philbin (City of Rockville)

[8/5 11:05 AM] Elaine Kolish
Elaine Kolish, FFX County Tree Commission

[8/5 11:05 AM] Christine Howard
Christine Howard, MWCOG

[8/5 11:05 AM] Ryan Delaney
Ryan Delaney - Arlington County Parks and Recreation

[8/5 11:05 AM] Keightley, Brian
Brian Keightley, Fairfax County Urban Forestry

[8/5 11:05 AM] Charles Prince
Charles Prince - City Arborist for the City of Falls Church

[8/5 11:05 AM] Mawhorter, Julie -FS
Julie Mawhorter, US Forest Service

[8/5 11:05 AM] Kristin Taddei (Guest)
Kristin Taddei, Montgomery Planning

[8/5 11:05 AM] Hare, Jennifer
Jenn Hare, Loudoun County Natural Resources Division
like 1

[8/5 11:05 AM] Morgan Housden
Morgan Housden - World Wildlife Fund

[8/5 11:05 AM] Susan Llareus
Susan Llareus, Maryland Department of Planning

[8/5 11:05 AM] Williamson, Linda
Linda Williamson, Frederick County

[8/5 11:05 AM] Nanci Wilkinson (Guest)
Nanci Wilkinson The Climate Mobilization Montgomery County Chapter, MO Climate Action Plan Coalition

[8/5 11:05 AM] Gyor, Stephen (OP)
Stephen Gyor, DC Office of Planning

[8/5 11:06 AM] Loescher, Dianna
Dianna Loescher - Montgomery Parks Natural resources

[8/5 11:06 AM] Smith, Charles
Charles Smith, Fairfax County Dept of Public Works

[8/5 11:06 AM] Robert Shaut
Rob Shaut, Casey Trees

[8/5 11:07 AM] McCrehan, Johanna
Johanna McCrehan, National Capital Planning Commission

[8/5 11:10 AM] Chris Peiffer
Alex Hancock, PlanIT Geo

[8/5 11:11 AM] Durkin, Brendan (DOEE)
Brendan Durkin, DOEE

[8/5 11:16 AM] Wyetha Lipford
Good morning everyone...please remember to mute your mic as you enter the meeting. -- Thanks.

Presentation 1: **Tree Equity Score Analyzer (TESA) – Molly Henry and Julia Twichell, American Forests**

[8/5 11:19 AM] Smith, Charles
How are the block groups identified?

[8/5 11:20 AM] Karen Metchis (Guest)
Can this track reverse progress? (tree loss)

[8/5 11:22 AM] Molly Henry
Smith, Charles
How are the block groups identified?
The block groups are from the US Census

[8/5 11:22 AM] Knapp, Michael
What was the source for surface temperatures? If IR satellite sensor, which one?

[8/5 11:23 AM] Keightley, Brian
Is parcel level data productive for having community discussions? I have seen others (UVM) use a hexagon filter to kind of blend the data.

[8/5 11:23 AM] Molly Henry
Karen Metchis (Guest) Can this track reverse progress? (tree loss)
The tool does not currently have that functionality, but it's possible to add tree canopy data over time as a layer, if the data is available.

[8/5 11:24 AM] Molly Henry
Knapp, Michael
What was the source for surface temperatures? If IR satellite sensor, which one?
The surface temp comes from USGS Landsat 8 imagery.

[8/5 11:24 AM] Chris David

Karen Metchis (Guest) Can this track reverse progress? (tree loss)
@Karen - following up on Molly's response - if we have access to quality data from two time periods that has incorporated a more structured estimate on of loss. we can dig into this after the presentation if there is time.

[8/5 11:24 AM] Molly Henry
Primary data for Tree Equity Score can be found here: https://treeequityscore.org/datasources/
Tree Equity Score.
Find your score and help create Tree Equity in cities and towns across America.
[8/5 11:25 AM] Molly Henry

Keightley, Brian
Is parcel level data productive for having community discussions? I have seen others (UVM) use a hexagon filter to kind of blend the data. I've seen hexagons as well. The parcel level allows you to get down to a project level that can be used in a variety of ways that Julia will discuss soon.

[8/5 11:26 AM] Keightley, Brian
Molly Henry (Guest)
I've seen hexagons as well. The parcel level allows you to get down to a project level that can be used in a variety of ways that Julia will discuss soon. I guess my concern is not to create neighbor-to-neighbor disputes.

[8/5 11:27 AM] Smith, Charles
Are the report numbers based on estimated benefits after 10 years?

[8/5 11:27 AM] Molly Henry
Smith, Charles
Are the report numbers based on estimated benefits after 10 years?
At maturity/25 years.

[8/5 11:29 AM] Anne Hairston-Strang (Guest)
What are the community member positions?

[8/5 11:30 AM] Chris David
Keightley, Brian
I guess my concern is not to create neighbor-to-neighbor disputes
good question/concern. That's not our goal here, but rather to actually be the starting place for site planning. Let's follow up in q & a.

[8/5 11:31 AM] Flanagan, Julia
Early on you mentioned having tree cover data. Do have % tree cover data for various whole jurisdictions. e.g., Manassas City or Prince William County?

[8/5 11:33 AM] Karen Metchis (Guest)
Part of the concern some folks might have will be the risk of creating more inequity be raising land values. Has there been any discussion of the relationship between increase in trees and greening vs. changes in land value vs. changes in demographics (unfortunately, making areas more desirable often result in gentrification)? Just a thought.
like 1

8/5 11:37 AM] Keightley, Brian
Karen Metchis (Guest)
Part of the concern some folks might have will be the risk of creating more inequity be raising land values. Has there been any discussion of the relationship between increase in trees and greening vs. changes in land value vs. changes in demographics (unfortunately, making areas more desirable o…
Keightley, Brian
We've had anecdotal observations of people using school district boundaries for similar purposes. Hard to prove.

[8/5 11:38 AM] Normand Goulet (Guest)
What is the geographic extent of your WashDC project. Will it include VA and MD ?

[8/5 11:39 AM] Colt Gregory (Guest)
The presentation links a new tool with a community process. Good approach.   Who is currently using the tool and approach?

[8/5 11:47 AM] Keightley, Brian
Is there a way to generate a list of addresses? say for mailers or postcards.

[8/5 11:48 AM] Knapp, Michael
Does your workflow include an effort to calibrate LANDSAT 8 TIR data with actual surface temperature measurement? There is plenty of literature that suggests this instrument averages surface temps with temps with an elevated column of atmosphere above the pixel boundaries; therefore LANDSAT 8 TIR may provide significantly reduced temperatures that do not necessarily reflect temps within the human habitation zone.

[8/5 11:49 AM] Molly Henry
Colt Gregory (Guest)
The presentation links a new tool with a community process. Good approach. Who is currently using the tool and approach?
*Colt, that's a good question. Julia pointed to the example with the nonprofit **Groundwork RI**. We launched the first TESA in Rhode Island a little over a year ago and we've seen a range of municipalities and nonprofits use TESA to leverage grant funding (using the impact report) and municipalities re-prioritizing tree funding based on TESA.*

[8/5 11:53 AM] Williamson, Linda
TESA planting included 3 years maintenance was this all included in the grant

[8/5 11:56 AM] Molly Henry
Feel free to email me if you are interested in joining the stakeholder council or learning more.
mhenry@americanforests.org

[8/5 11:56 AM] Molly Henry
Williamson, Linda
TESA planting included 3 years maintenance was this all included in the grant
Yes. All American Forests tree planting projects required a 3-year maintenance

[8/5 11:56 AM] Colt Gregory (Guest)
Lots of echo from this speaker

[8/5 11:57 AM] Chris David
In the meantime, we'll try to hit the other questions in the chat as well.

[8/5 11:58 AM] Molly Henry
Normand Goulet
What is the geographic extent of your WashDC project? Will it include VA and MD ?
The scope is DC and the urbanized portions of Fairfax, Prince George, and Montgomery counties

[8/5 12:01 PM] Williamson, Linda
Thank you , I am glad 3 years of maintenance was included in the grant, that is a real bonus

[8/5 12:04 PM] Chris David
Molly Henry
The scope is DC and the urbanized portions of Fairfax, Prince George, and Montgomery counties
also, Arlington County and all interior cities within the counties above.

Presentation 2:

Differences in UTC Data Collection and Analysis, Forest Cover Trends, and an Update on the Chesapeake Bay Program's Tree Canopy Indicator Project - Peter Claggett – USGS

[8/5 12:06 PM] Knapp, Michael
Peter, can you speak to the confidence levels your QA process found for the tree-centric classifications for 2013/14 and 2017/18?

[8/5 12:13 PM] Smith, Charles
Are the cover types normalized with the USDA Forest Inventory and Analysis?
No. Incompatible data sets.

[8/5 12:15 PM] Flanagan, Julia
Please provide link to this tool.

[8/5 12:15 PM] Mawhorter, Julie -FS
The tree cover change metrics that Peter is describing will be featured in county level 2-page fact sheets, to be published in the next month or so. We aim to produce these fact sheets for census places after that.

[8/5 12:20 PM] Karen Metchis (Guest)
excellent work. Looking forward to seeing the 2-pagers. do you have two lidar dates for all the counties in this area?

[8/5 12:20 PM] Mawhorter, Julie - FS
A big thanks and kudos to Peter for leading this monumental land use change analysis - he's been a great champion for putting trees and forests front and center!

[8/5 12:21 PM] Knapp, Michael

[8/5 12:22 PM] Mawhorter, Julie -FS
The fact sheets are being done with the Chesapeake Bay Program datasets, so we don't have the 2 points of comparable LIDAR data for most of the counties.

[8/5 12:23 PM] Peter Claggett
https://www.chesapeakeconservancy.org/conservation-innovation-center/high-resolution-data/lulc-data-project-2022/ Chesapeake Bay Program Land Use/Land Cover Data Project

[8/5 12:23 PM] Karen Metchis (Guest)
What about Montgomery County?

[8/5 12:23 PM] Leslie, Bret
Where will the factsheets be available/posted?

[8/5 12:24 PM] Mawhorter, Julie -FS
They will be posted on the Chesapeake Tree Canopy Network (chesapeaketrees.net) and we will send a notification out to this group through Brian when posted

[8/5 12:28 PM] Saari, Steve (DOEE)
How do we get the state/county community tree cover change analysis? I don't see it on the web page you linked.

[8/5 12:29 PM] Mawhorter, Julie -FS
Steve - it is still being developed and finalized at the Bay Program - we'll share as soon as it is ready.
You are getting a sneak preview 😊
like 1

[8/5 12:30 PM] Karl Berger
Bay Program watershed model assigns higher nutrient and sediment loading rate to tree canopy over turf than for forest which requires a certain minimum extent.

[8/5 12:31 PM] Knapp, Michael
Thank you, Peter!

[8/5 12:32 PM] Eutsler, Earl (DDOT)
Link to today's presentation on
DC: https://storymaps.arcgis.com/stories/62580ba81fc34563b1bae8e8416ee16d
Washington DC's Urban Tree Canopy in 2020

An overview of changes in urban tree canopy coverage in D.C., between 2006 and 2020
[8/5 12:38 PM] Peter Claggett
For the Bay-wide product, UVM does use LiDAR where it is available if it was collected post-2010 to complement the aerial photos.

Presentation 3: DC Urban Tree Canopy in 2020 - Earl Eutsler, Associate Director/State Forester Urban Forestry Division District Department of Transportation

[8/5 12:43 PM] Karen Metchis (Guest)
where is this parcel again?

[8/5 12:48 PM] Bowes, Lori
I see that Public & Parks decreased by 3% from 2015-2020. Based on my own informal observations, I see many trees coming down on NPS land but few being planted. Can you talk about canopy in NPS parks?

[8/5 12:48 PM] Flanagan, Julia
So, is it accurate to say that the aggressive level of tree planting in the District, by both private and public efforts is almost, but not quite matching the loss of tree canopy?

[8/5 12:49 PM] Greenberg, Patricia
Are trees planted on private land cared for into maturity by Casey Trees or the District?

[8/5 12:49 PM] Jeffrey King
Very nice example of expanding tree canopy in a developed zone with no trees. Great to see a couple houses also installed solar during that time period. Wonder if there is an opportunity to coordinate tree planting with EERE outreach for efficiency and solar + EV charging? UFA + DC SEU.

[8/5 12:50 PM] Amanda Farber Phone
Can this chat (and the websites provided) please be saved as part of the recording? Thx!

[8/5 12:52 PM] Williamson, Linda
Sorry, I have to leave meeting, another meeting to attend.

[8/5 12:52 PM] Sharath Rereddy
Is extreme heat and/or heat stress (or other climate change stressors) taken into account when determining species of trees being planted? i.e., planting trees for expected shift in climate zone of the Mid-Atlantic

[8/5 12:53 PM] Jeffrey King
Earl worked with me for a tree on our street in Petworth DC. Two failed plantings (due to site being too wet) so he adjusted the species choice and the number 3 attempt is still doing great a couple years later!

[8/5 12:54 PM] Bridget Cantwell (Guest)
Has the District considered land acquisition for park expansion in areas of low tree canopy or canopy access?

[8/5 12:55 PM] Jeffrey King
What is the range of cost to relocate a Heritage Tree?

[8/5 12:56 PM] Bowes, Lori
What is the survival rate of trees in the right of way? How are they watered?

[8/5 12:56 PM] Jeffrey King
In Germany I saw they deployed fire trucks at night to water street trees. Is that ever done in our region?

[8/5 1:00 PM] Tiffany Wright
whoa! 7 years?! thanks for that.

[8/5 1:01 PM] Flanagan, Julia
Long term survival of trees in urban/suburban settings is strongly dependent on soil volume and soil quality. What is being done in your program to ensure adequate soil volumes and quality to allow mature growth of planted trees?
like 1

[8/5 1:01 PM] Jeffrey King
Thanks Brian, Great session!

[8/5 1:08 PM] Mawhorter, Julie -FS
Great presentation Earl - DC UFA is always at the forefront of innovation in the nation!
like 1

[8/5 12:54 PM] Bridget Cantwell (Guest)
Has the district considered land acquisition for park expansion in areas of low tree canopy or canopy access?

[9:05 AM] Tiffany Wright
If any COG folks see this, could someone please tell me the expiration date of the recording? Thank you!