

Our Trees.

Our Communities.

What's Going on with our Trees?

Melissa Custic

What is the urban forest?







2010 Tree Census Overview



Invasive species are a problem

Pre-settlement species (especially oaks and hickories) are not abundant

Ashes and maples were very common







2020 Update?



New 2020 Tree Census by spring 2021







What has happened since then?



- 13 million ash trees are dead
- •Our canopy has dropped to 18% (national avg. for metro areas is 41%)
- Canopy continues to grow in communities with resources and is getting smaller in communities without resources
- Climate change continues to increase

Emerald Ash Borer

Average 2014 cost: \$250,000

Range of costs: \$100 to \$2.8 million



EAB programs:

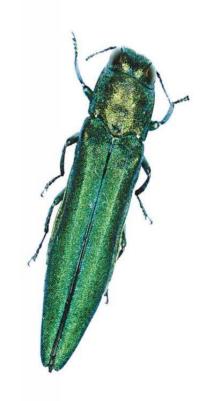
Tree removal (97%)

Public education (64%)

Pesticide application (37%)

Tree ordinances specific to EAB

(33%)



What has happened since then?



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Urban tree canopy



Larger trees offer more benefits







Urban tree canopy

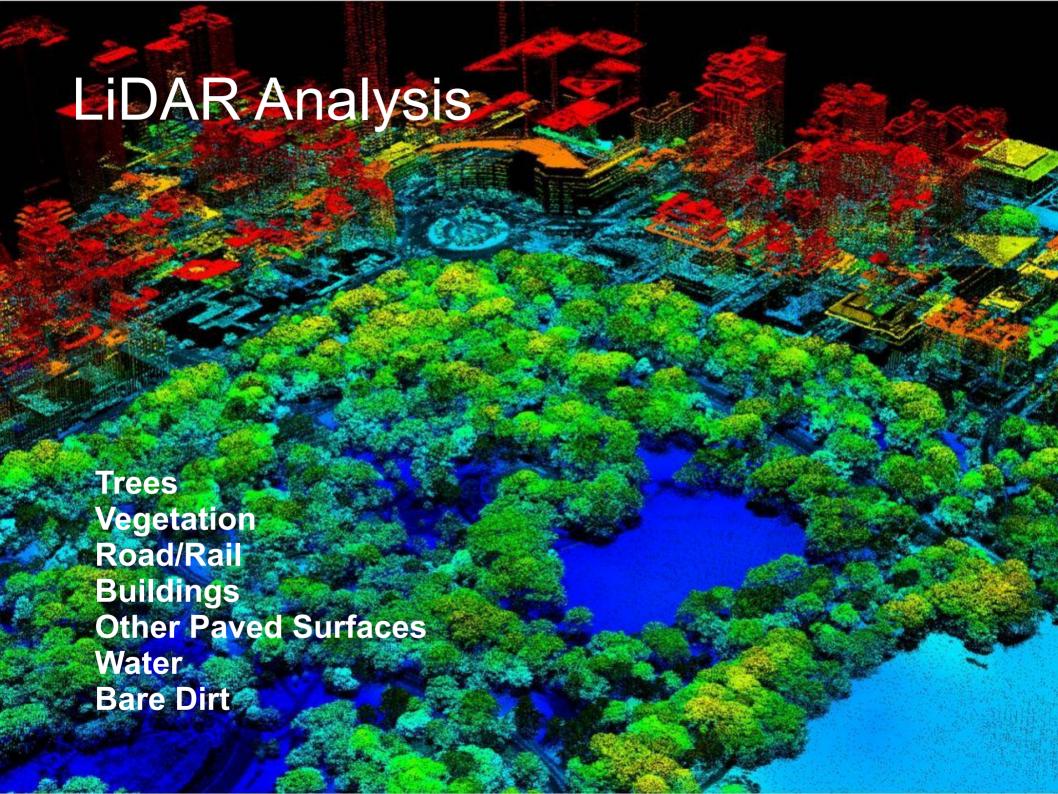


Extent of tree benefits correlates with tree canopy abundance

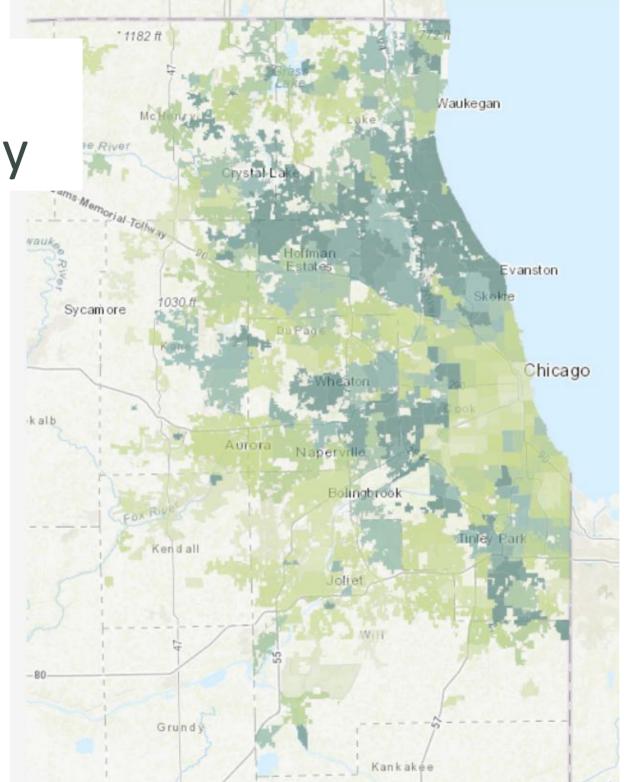








Tree Canopy





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2020 Update?



New 2020 Urban Tree Canopy Assessments by spring 2021







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Midwest:

Extreme heat
Heavy downpours
Flooding
Drought
Pest and pathogens



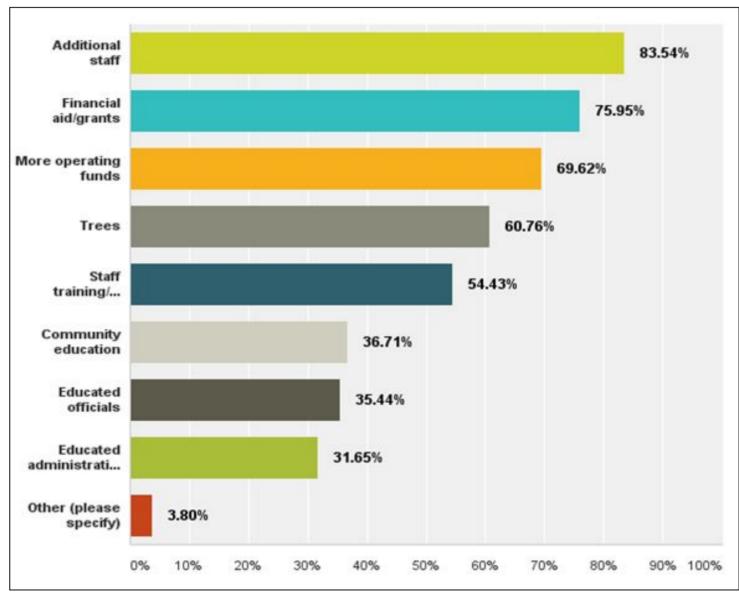


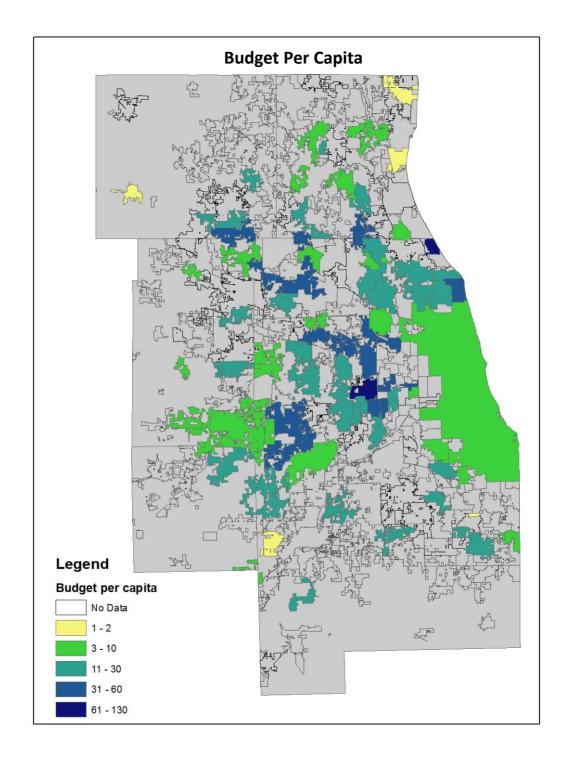
Ancillary impacts to:

Infrastructure
Health
Agriculture
Forestry
Transportation
Air and Water Quality

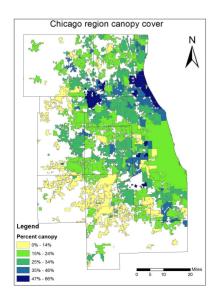
Capacity to care for trees











Return on investment

Find specific studies here: ChicagoRTI.org/TreeBenefit s

\$1 ->
Spent
on mgmt

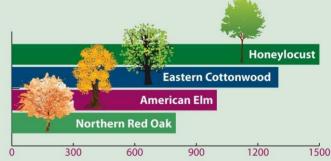
\$1.37-3.09
returned
in services

Trees are a Person's Best Friend

Trees aren't only pretty to look at; they also provide numerous benefits for society.

The Chicago region's tree canopy is already contributing to the human and environmental health of the area.

As trees grow, they store more carbon dioxide, a greenhouse gas that contributes to climate change. In the Chicago region, trees sequester an estimated 17,700 tons of carbon per year.



Tons of carbon stored per year



Bluestem Communications is proud to be a part of the Chicago Region Trees Initiative, a coalition of organizations working to improve the Chicago region's tree canopy size, health and diversity. The data presented here is part of the research being conducted by the CRTI. If you're interested in learning more about the CRTI, click this image.



Feel free to share this infographic on Facebook and LinkedIn. Do you need help with your marketing, outreach or communications work? Give Bluestem a call, (312-754-0403) we are ready to help you tell your story and engage your audience.

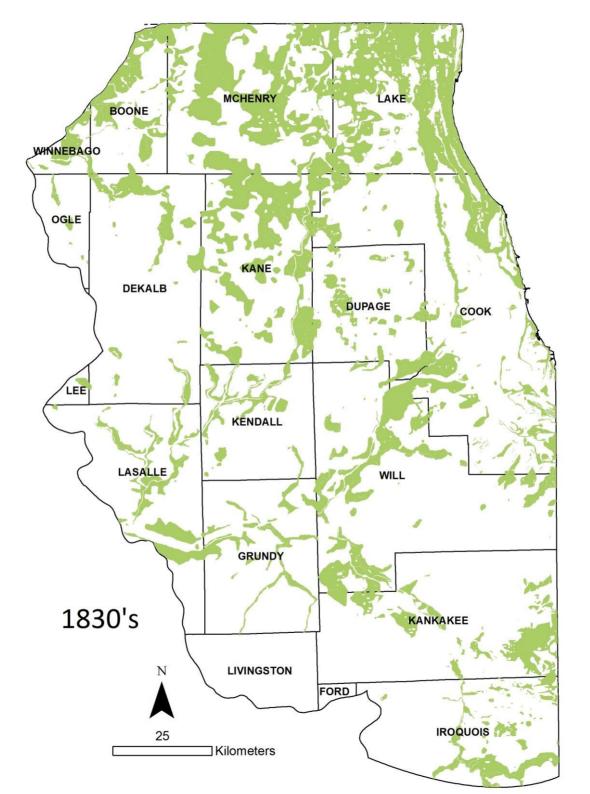


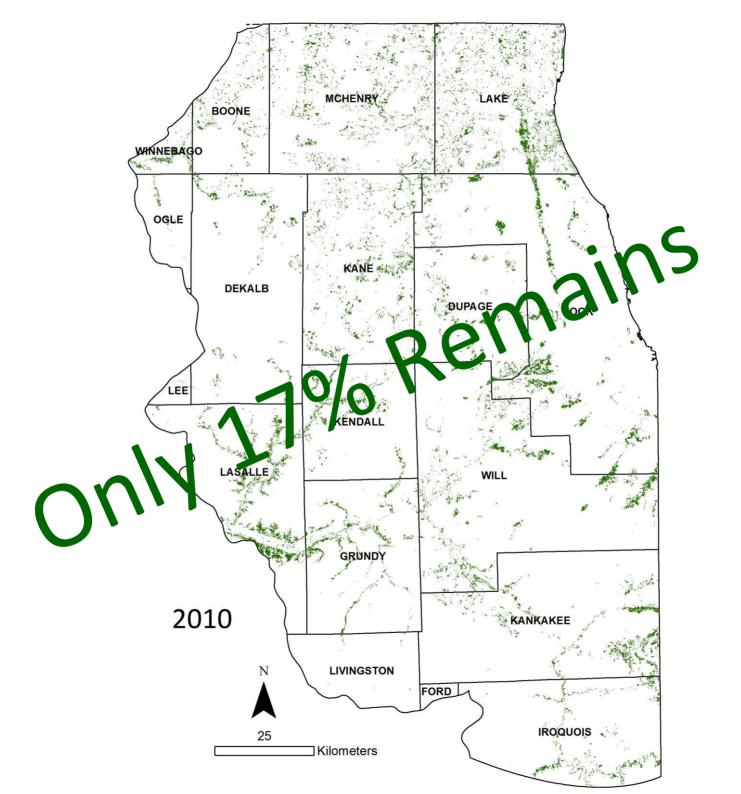
Forest Management Survey



Please complete the survey!

http://chicagorti.org/MGMTsurvey





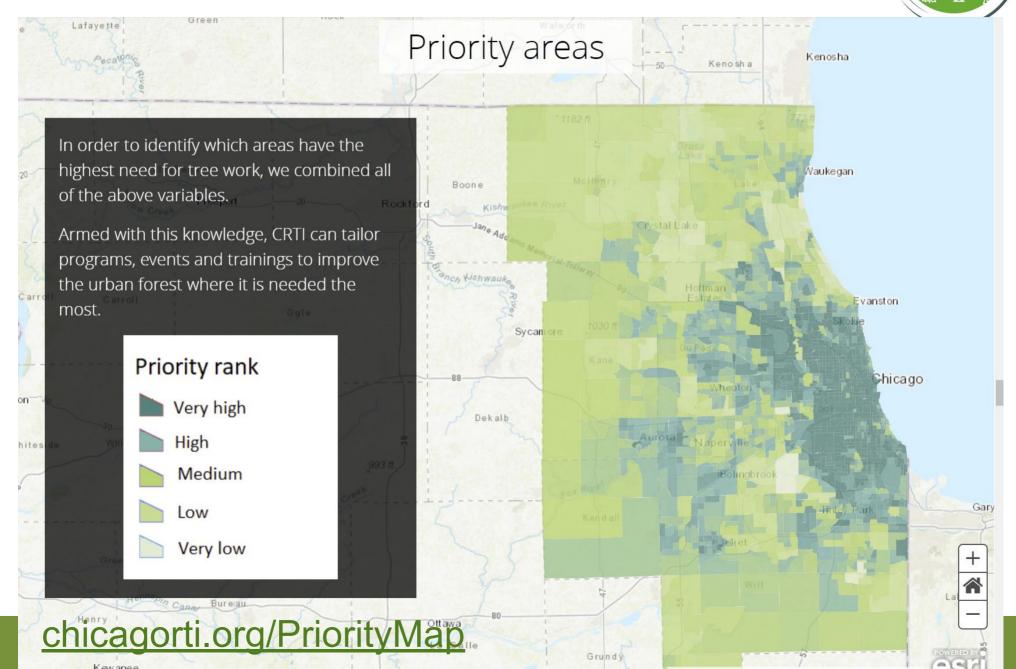
ChicagoRTI.org/UTC



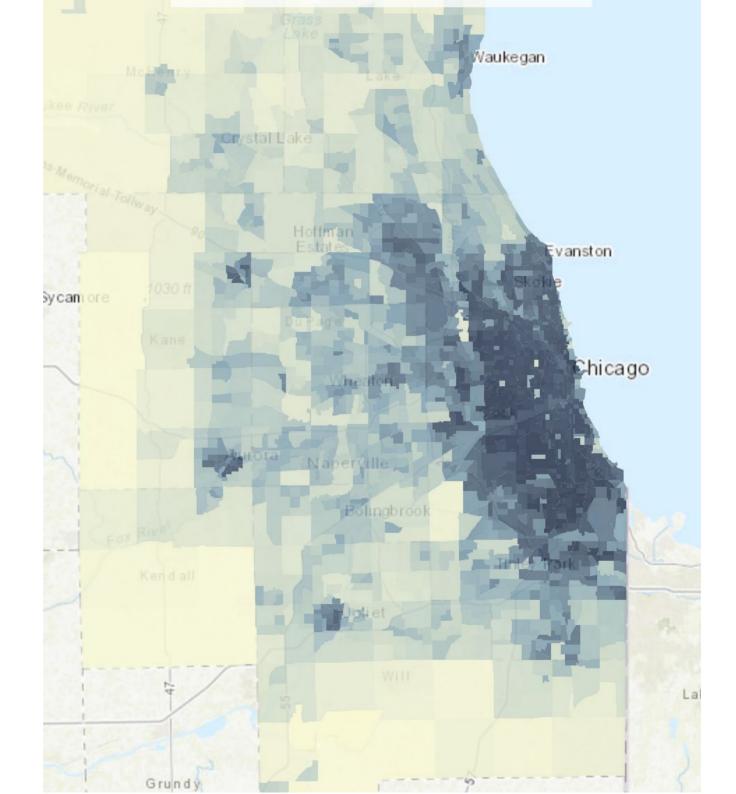


chicagorti.org/OakMap Oak connectivity in the (**≡ ♦ 5 0** Carol Stream Satellite Satellite Corridor Corridor Buffer Buffer Pre-settlement Oak Ecosystems Pre-settlement Oak Ecosystems W Childs St dand Hills Golf Club ALB Accelerator Le land Butterfield Rd Warrenville - Butterfield-Rd

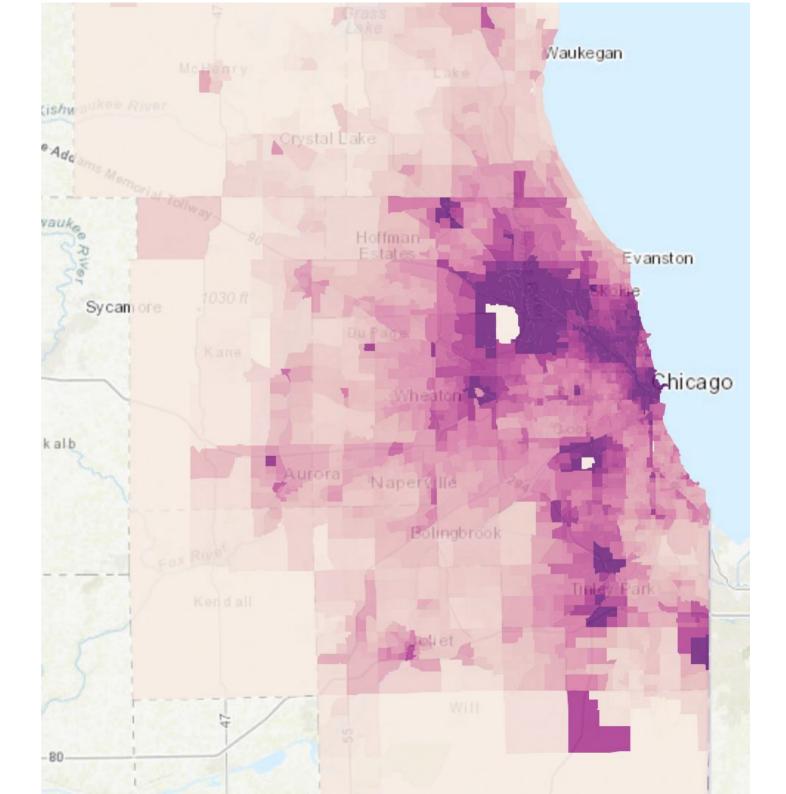
Interactive priority map



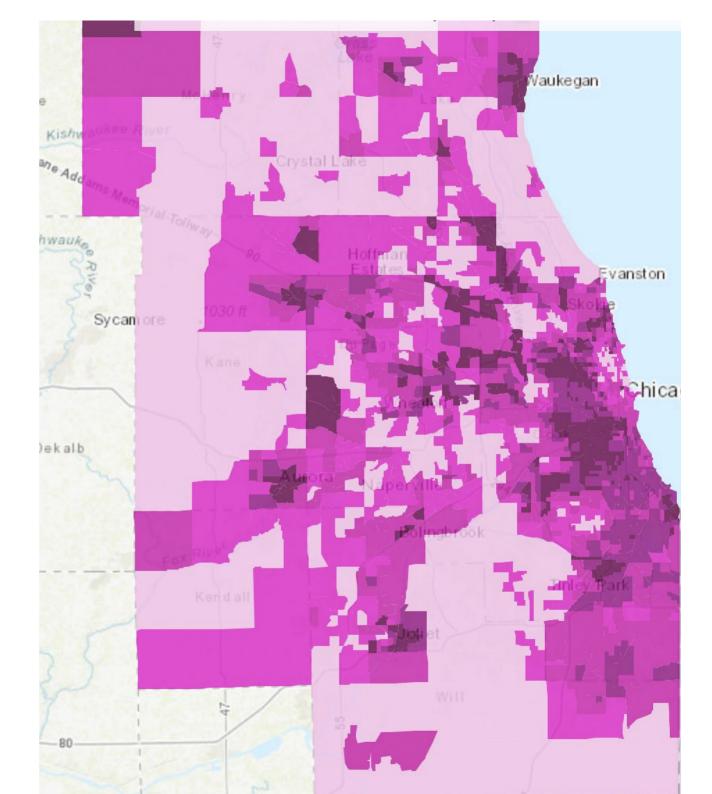
Flooding



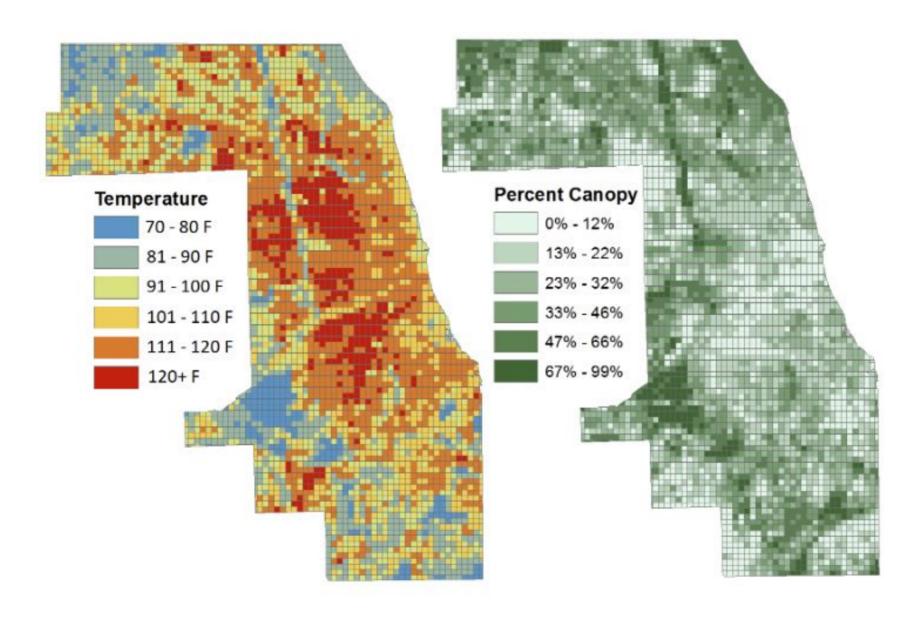
Air Quality



Vulnerable Populations



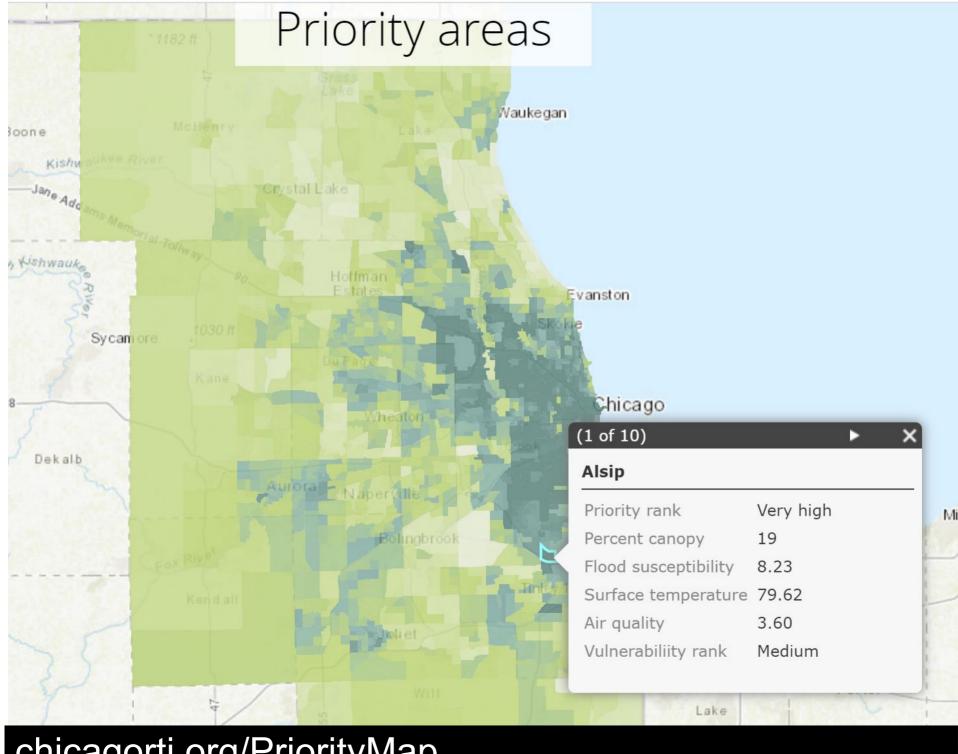
Heat



Temperature Map

chicagorti.org/surface-temperature-and-tree-canopy





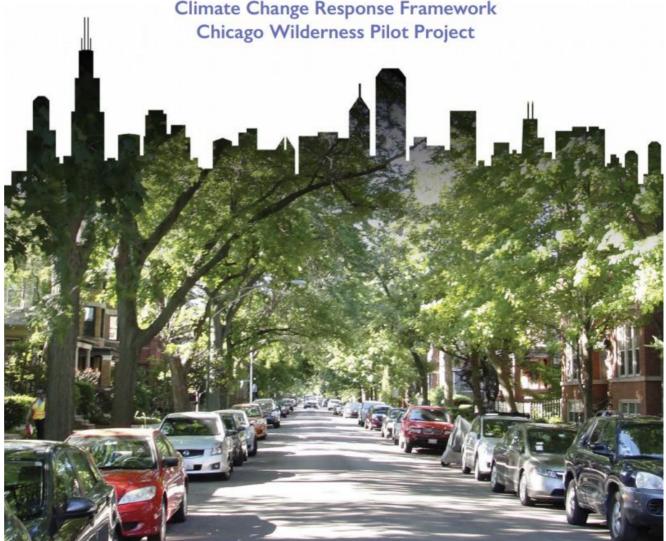
chicagorti.org/PriorityMap



Climate Vulnerability

CHICAGO WILDERNESS REGION **URBAN FOREST VULNERABILITY ASSESSMENT AND SYNTHESIS:**

A Report from the Urban Forestry Climate Change Response Framework Chicago Wilderness Pilot Project





Our Trees.

Our Communities.

Our Future.

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Source: Hendrickson Tree Care