



Downtown
Improvement
District

Year-end update

Greening Lab 2019

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Goals for Greening Lab Year 3

- Communications: Broaden engagement
 - Existing partners: DID, Green Mpls, DMNA, MPRB, MWMO
 - Seeking: General public
- Research: Maintain intensive monitoring of downtown street tree conditions
 - Fine-grain data on performance of individual trees
- Support establishment of young trees with supplemental maintenance
- Advocate and coordinate



Good news! We did it!



Outcomes

Survival rate of new street trees increases from 52% to 73%

Engagement

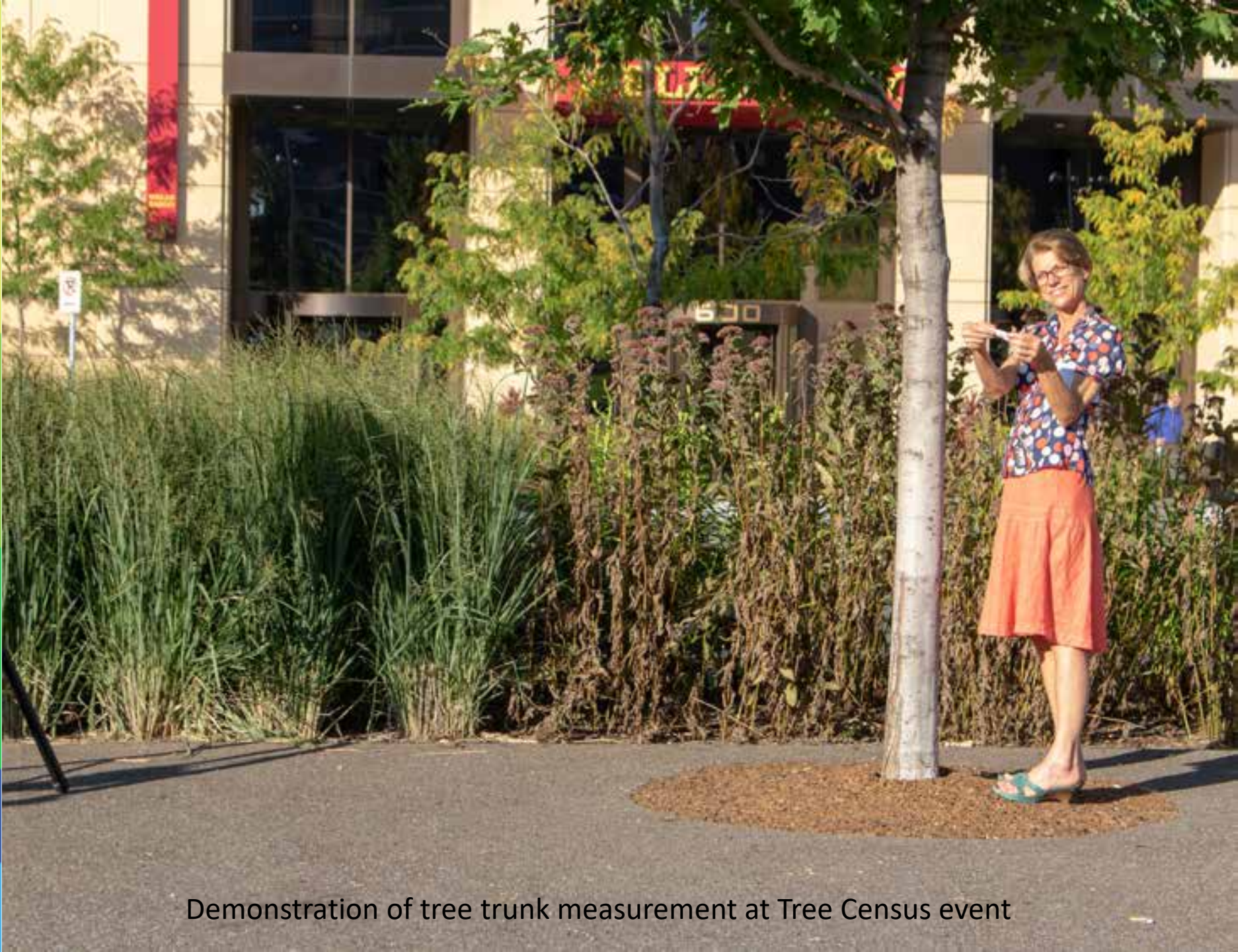
- Two Downtown Tree Census events attended by 70 people at The Commons & Peavey Plaza
- New tree tags: 241 new trees tagged, existing tags updated w/new phone # and all partner logos
- New text-a-tree content, including water quality content from MWMO
- Smart Salter training for property managers

Monitoring

- Documented condition of all trees in all 3,343 tree sites downtown
- Healthy trees: 2,750, 82%
- Remainder: Fair (361, 11%), Damaged (34, 1%), Dead (198, 6%)
- Average growth of trunk diameter for trees within DID: 1.4" (this is good!)

Maintenance

- Weekly watering of trees during establishment period
- Watering took place overnight to reduce costs
- Started weeks earlier than in the past – we believe this contributed to higher survival rate
- 241 trees in watering scope initially, down to 177 by end of summer
- Soil Sensor pilot



Demonstration of tree trunk measurement at Tree Census event

Step by Step Guide: 2019 Downtown Forest Census

TURN IN COMPLETED SHEETS BY OCT 1ST BY EMAILING A PHOTO OR SCAN TO INFO@GREENMINNEAPOLIS.ORG
OR MAILING THEM TO/DROPPING THEM OFF AT 81 South 9th Street Suite 260, Minneapolis, MN 55402

1. Locate your block.



2. Gather information for the street trees in the public right of way (i.e boulevard).



3. See the sample completed census form to see how to label street trees on your map.

4. Use the tree guide to identify the species. Put a "?" if you don't know.



5. Using your tape measure, measure the circumference of each tree at 4.5 FT above the ground.



Fun Fact! Arborists use a measuring method called diameter at breast height (DBH). We are not using this method today since it's a little more complex.

6. Mark each tree's condition using the criteria below.



Dead

There are one or more signs of stress such as many bare limbs, broken branches, wilted leaves, etc. With care, this tree may live. However, in urban street conditions, the tree will likely die in a few years.



OK

The canopy is mostly filled with leaves. Besides a few bare branches, the tree is in fair health.



Healthy

The canopy is completely filled with green leaves. Multiple new branches are forming.



I'M NEW HERE.

Text "trees"
to 63735

to become a friend of the
Minneapolis Downtown Forest

Eastern Cottonwood #123456

Support Our
Downtown Forest
www.mplsdid.com/GreeningLab

Greening Lab is a partnership that supports the growth of the Minneapolis Downtown Forest. Through intentional stewardship and your help, trees like this one will establish and benefit people for years to come. Become a friend of the Minneapolis Downtown Forest and get involved.



green
minneapolis



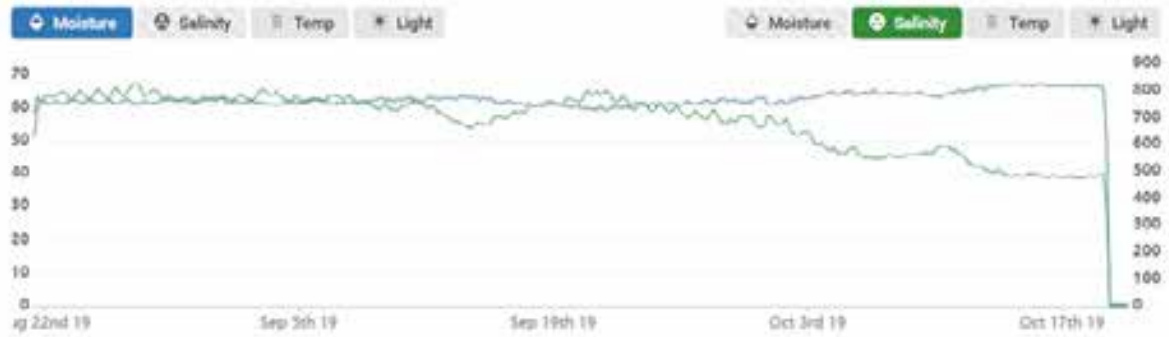
MISSISSIPPI
WATERSHED
MANAGEMENT ORGANIZATION



DOWNTOWN
MINNEAPOLIS
NEIGHBORHOOD
ASSOCIATION



Soil sensor prototype



Soil sensor prototype data: Moisture, salinity, temperature



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Thank you!

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