

Urban & Community Forestry in Michigan

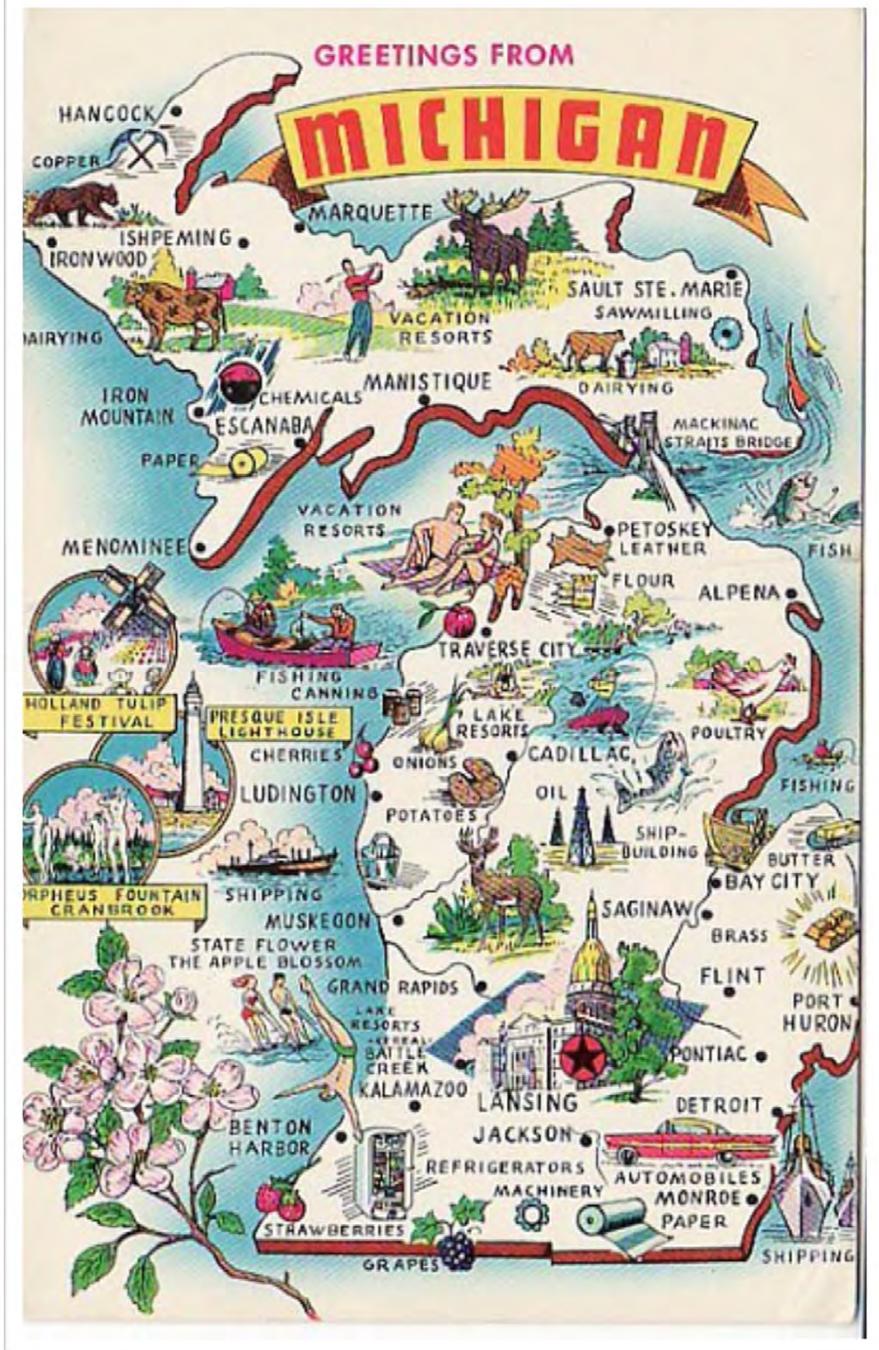


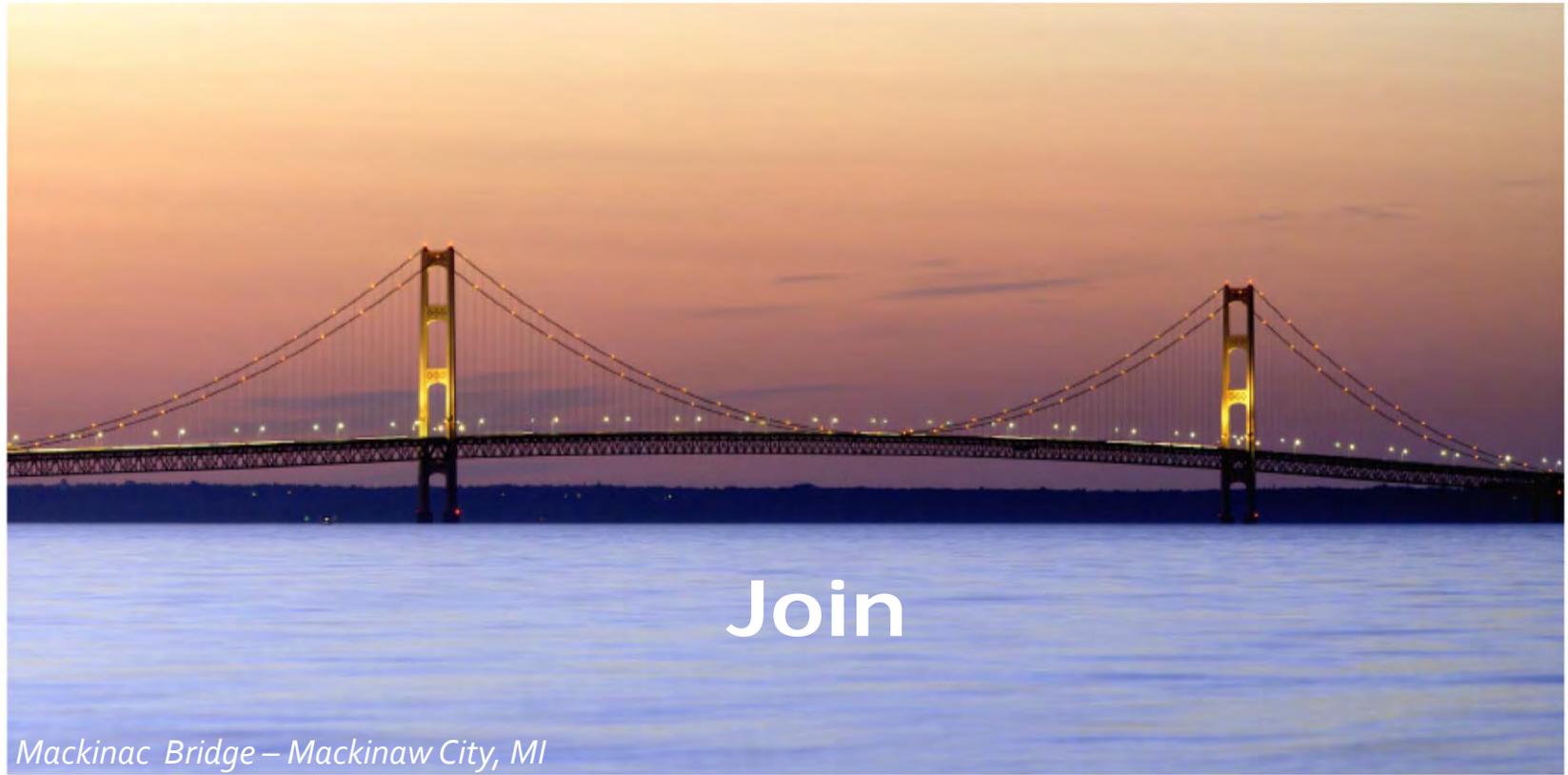
Kevin Sayers:

DNR Urban & Community Forestry Program Coordinator



- 4 of 5 Great Lakes
- 11K+ inland lakes
- 36K+ mi rivers & streams
- 56% of land is forested
- 2,100 local units of government
- 75% of population is "urban"
- Detroit, Grand Rapids, Lansing, Ann Arbor, Traverse City
- Vibrant social and cultural assets

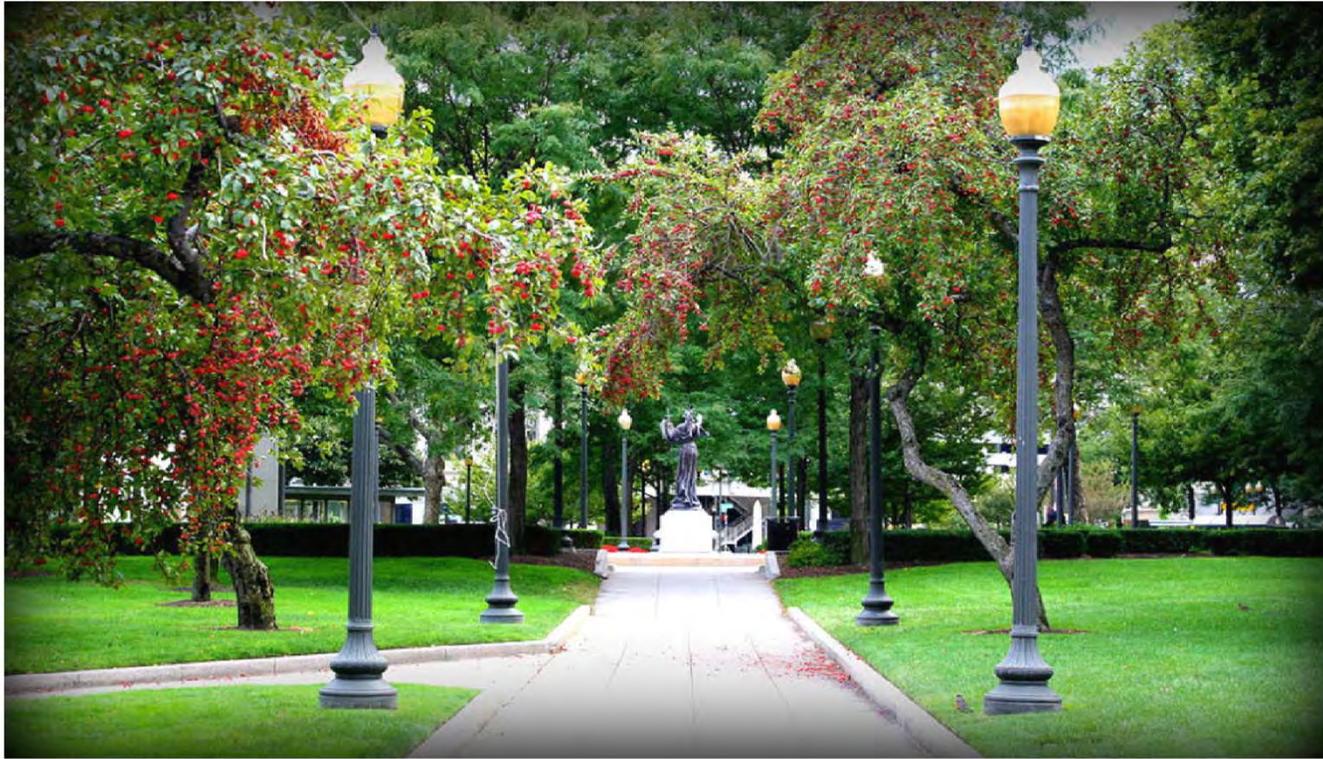




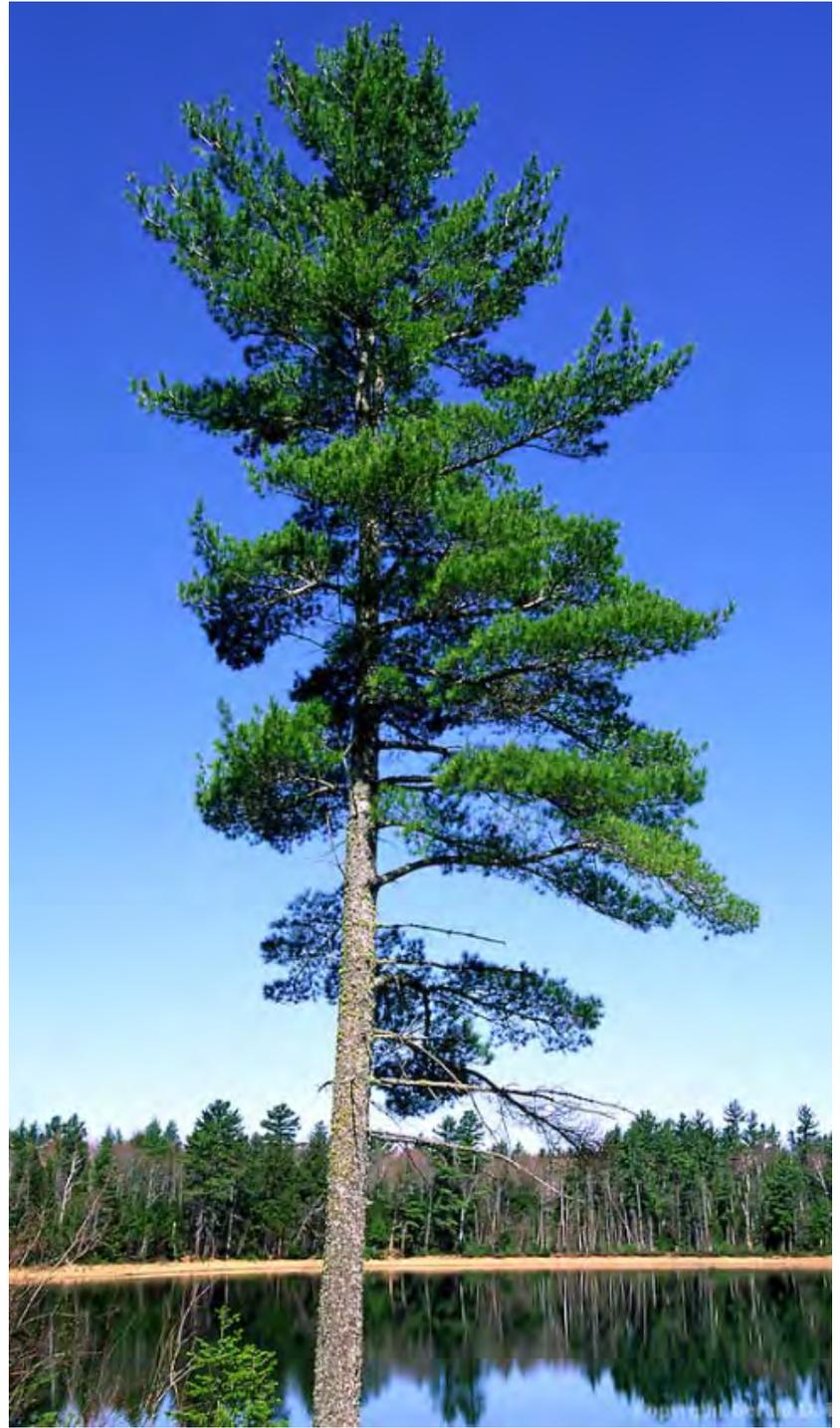
Join

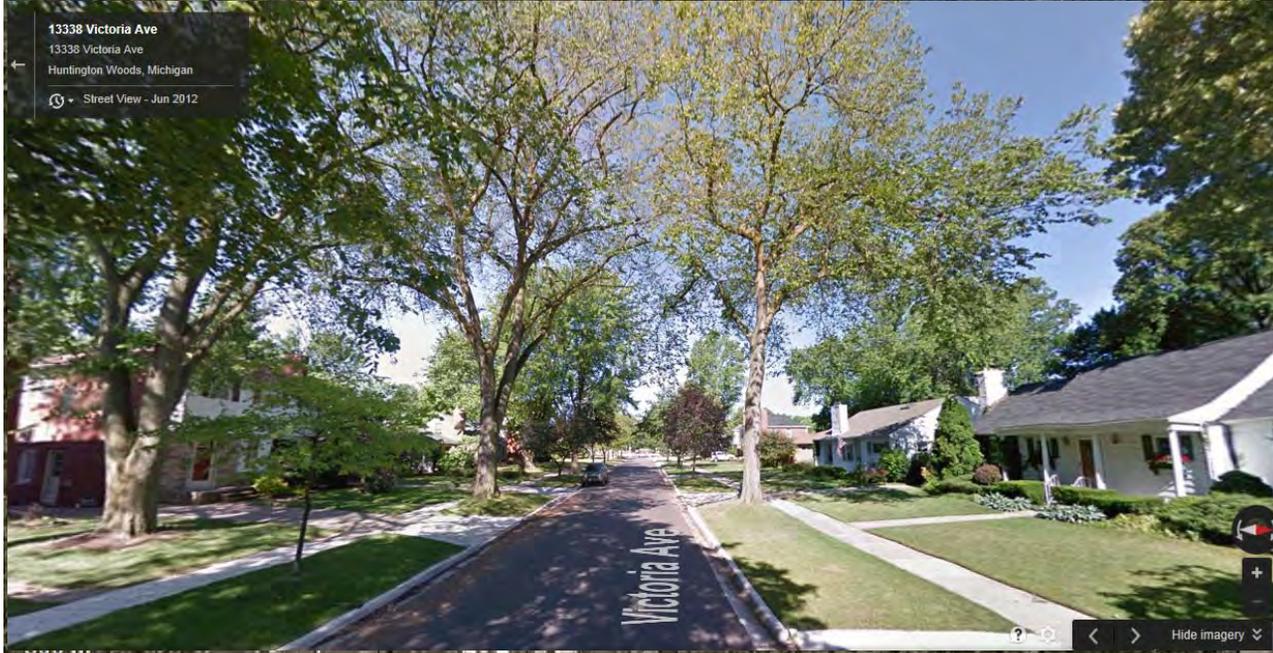
Mackinac Bridge – Mackinaw City, MI

Urban & Community Forestry (UCF):



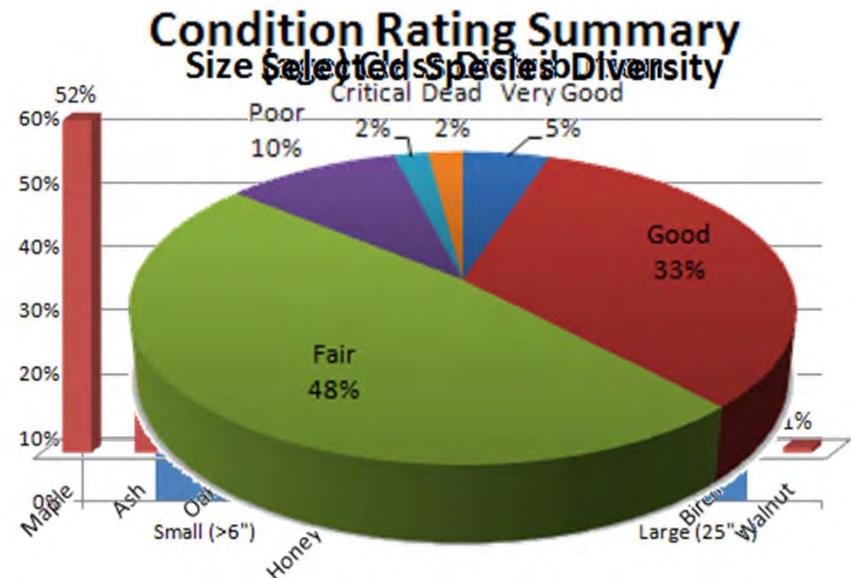
- 🌳 What it is
- 🌳 Why it is important
- 🌳 DNR role
- 🌳 Detroit





What is the Urban & Community Forest?

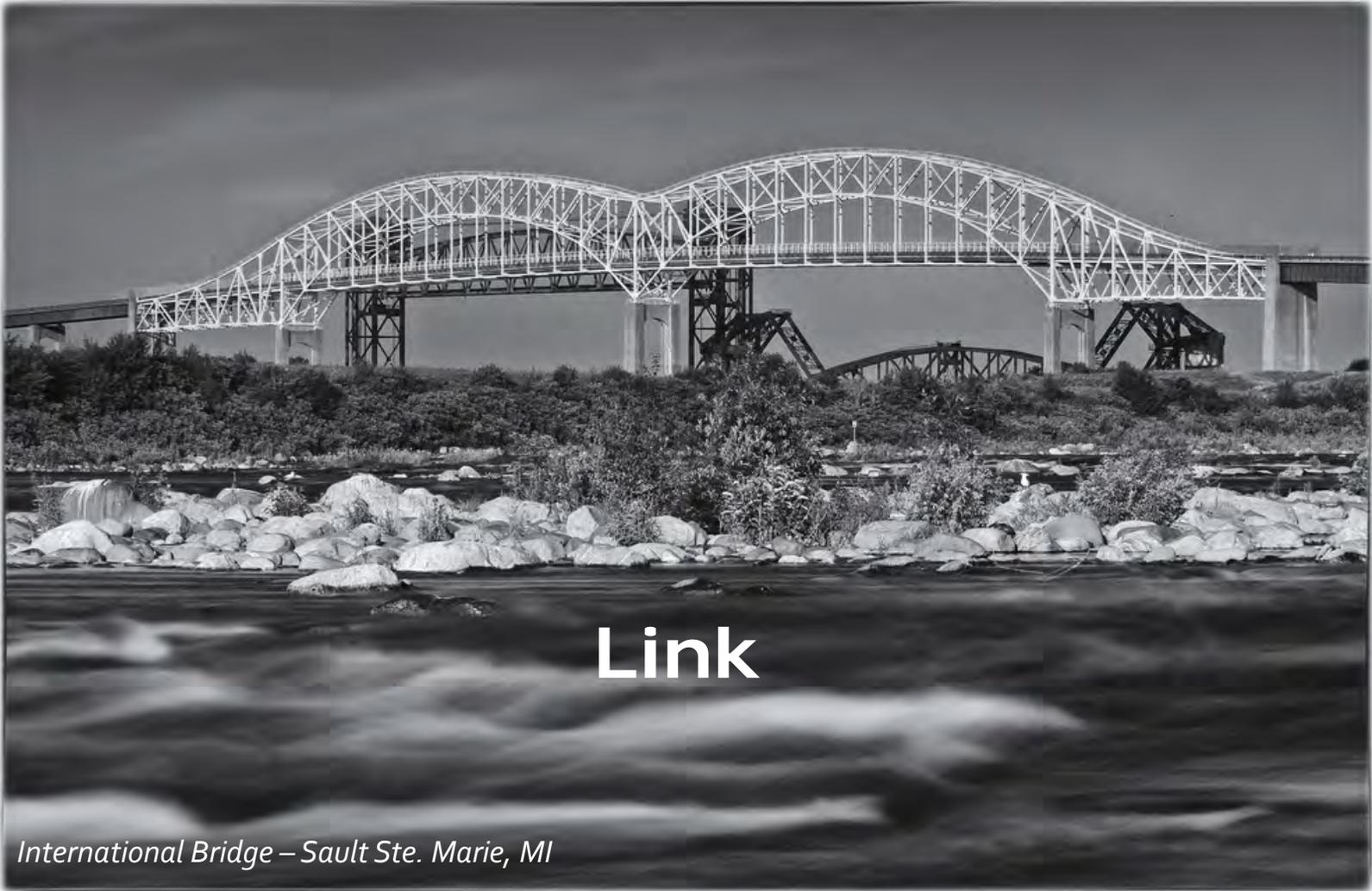
- 🌳 All trees and shrubs in populated areas
- 🌳 It's a continuum
- 🌳 "Urban": Pop. \geq 2,500
- 🌳 Small communities have an urban forest as well
- 🌳 ~110M urban trees in MI
- 🌳 Account for 21% of total tree canopy cover in MI
- 🌳 Municipal Forestry



What is Urban & Community Forestry?

- 🌳 “Newer” branch of forestry
- 🌳 The planting, care and management of trees along streets, open spaces, parks, and neighborhoods
- 🌳 Trees are major capital assets
- 🌳 Goal = extend life of urban trees
- 🌳 New tools and techniques
- 🌳 Requires public involvement





Link

International Bridge – Sault Ste. Marie, MI

Benefits of Urban Forests

Social and Human Health:

Environmental:

Economic:

Physical:

Wildlife:



Sustainable Wood Recovery at MSU



Surplus Store
MICHIGAN STATE UNIVERSITY



<http://msusurplusstore.com>



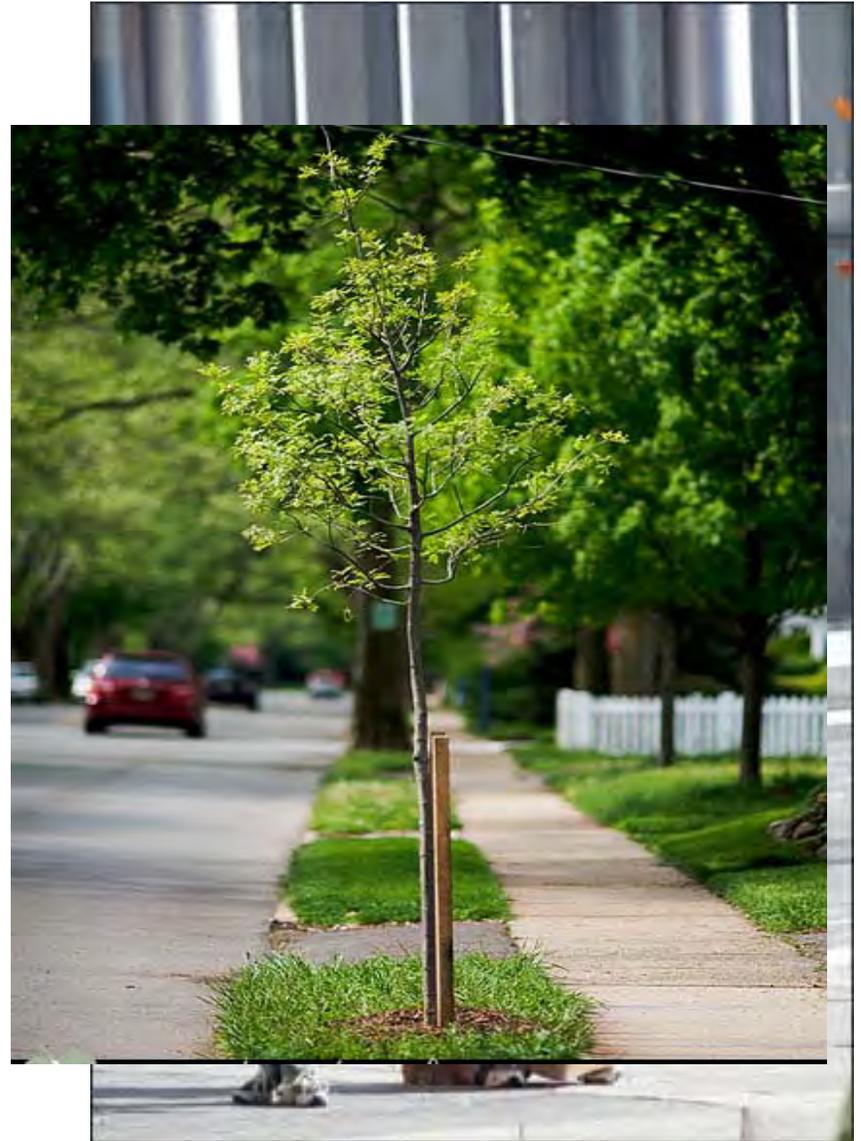


Challenges

The "Tridge" - Midland, MI

Challenges in Urban Forests

- 🌳 Reduced life span
- 🌳 Limited space
- 🌳 Poor soil
- 🌳 Construction
- 🌳 Utilities
- 🌳 Storms/Climate change
- 🌳 Insect/Disease
- 🌳 Maintenance
- 🌳 Funding



Why Support UCF?

- 🌳 Public interest is growing for UCF
- 🌳 Most voters live in urban areas
- 🌳 Healthy trees = healthy communities
- 🌳 Wildland-urban interface issues
- 🌳 Trees pay us back!
- 🌳 Promotes positive image for DNR
- 🌳 Aligns with Governor's priorities
- 🌳 Urban forests - avenue to engage and educate the public on natural resource issues

A vertical poster titled 'Reinventing Michigan' with a blue and green background. It features a globe with blue arrows and a list of 10 points. The poster is set against a background of city buildings.

Reinventing Michigan

- 1 Create more and better jobs
- 2 Leverage our new tax system
- 3 Reinvent our government
- 4 Keep our youth—our future—here
- 5 Restore our cities
- 6 Enhance our national and international image
- 7 Protect our environment
- 8 Revitalize our educational system
- 9 Reinvent our health care system
- 10 Winning in Michigan through Relentless Positive Action

www.michigan.gov/gov

Connect



Blue Water Bridge - Port Huron, MI

Connection to other Natural Resource Issues and Programs

- 🌳 Exotic/Invasive insect diseases and pests
- 🌳 Ecosystem services
- 🌳 Air and water quality
- 🌳 Private forest lands
- 🌳 Parks and recreation
- 🌳 Fire protection
- 🌳 Biomass/wood products
- 🌳 Education, jobs and careers
- 🌳 Awareness, Protection and Advocacy!





Awareness & Recognition

- 🌳 Arbor Day
- 🌳 Champion Tree Program
- 🌳 Notable Trees – largest size/age, unusual, historical
- 🌳 Education/Training
- 🌳 Tree City/Campus/Line USA



Michigan: 2012 *Tree City USA* Summary



TREE CITY USA

By the Numbers...



126 Tree City USA Communities

1 new Tree City USA communities



28% of MI lives in a Tree City USA Community

100%
Recertification Rate

Largest:
Detroit (713,777)

Smallest:
Richland (725)



Adrian, Royal Oak
36 years

Michigan's longest running Tree City USA communities

\$21,747,992.91
spent on urban forestry management

\$7.74
average per capita

Growth Award

6 Growth Award recipients

0 New Growth Award recipients

Longest Growth Award:
Berkley • 18 years

Growth Awards through 2012:



Beyond Tree City USA

44% used online data management system

3 Michigan Tree Campus Schools

1 New Tree Campus Schools

3 Tree Line Utilities

Longest Running Tree Line USA Utility:
Detroit Edison (18 years)



Community Involvement

- 🌳 Successful programs based on public awareness, support and partnerships
- 🌳 Tree planting projects
- 🌳 Volunteers
- 🌳 Nonprofits & service groups
- 🌳 Schools
- 🌳 Local tree boards
- 🌳 Businesses/Utilities





Support

Gateway Arch Bridge - Detroit , MI

Urban & Community Forestry (UCF) Program



Mission:

To promote, facilitate and ensure the effective management of trees and forests where people live work and play to maximize the multiple benefits they provide.

Provides technical, educational and financial assistance to:

- State/Local units of government
- Nonprofits
- Schools
- Community organizations



MI UCF Program Quick Facts

- 🌲 Initiated in 1992
- 🌲 1 FTE – Program Coordinator
- 🌲 15 member advisory council
- 🌲 100% federally funded
- 🌲 Statewide scope
- 🌲 Administer multiple grant programs
- 🌲 Partnerships expand program capacity





- 🌳 Strengthen ties with universities and industry
- 🌳 Promote education, training and careers
- 🌳 Increase quality/extent of physical resource
- 🌳 Increase public outreach and awareness
- 🌳 Facilitate community partnerships/projects
- 🌳 Leverage relationships to increase \$ support
- 🌳 Expand financial and technical assistance
- 🌳 Create vibrant, attractive & healthy communities



www.treesarethekey.org



Unite

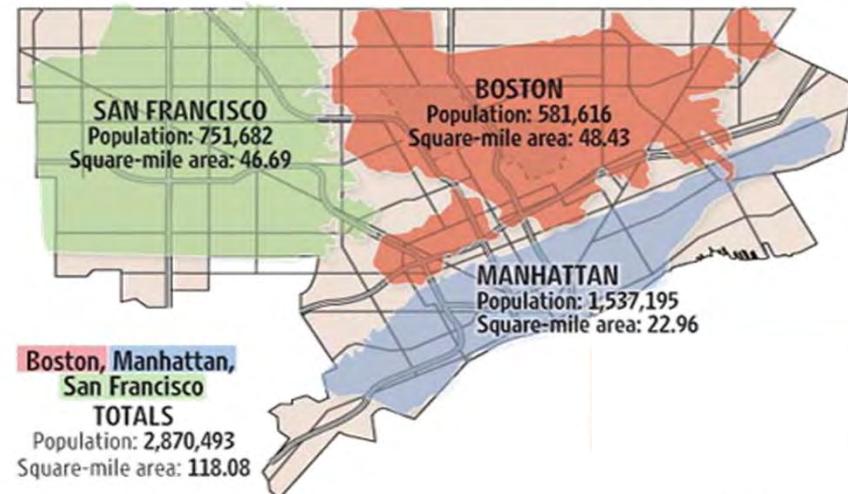
Ambassador Bridge - Detroit, MI

City of Detroit:



Population: 713,777
Land area: 140 sq. miles
Park area: 5,921 acres
Vacant parcels: 60K +
Street miles: 2,800 miles
Street trees: est. 280,000

Comparing Detroit to three other major cities



Source: University of Detroit Mercy

Detroit Free Press



Opportunities ?

Detroit mapping huge greening projects for 2016



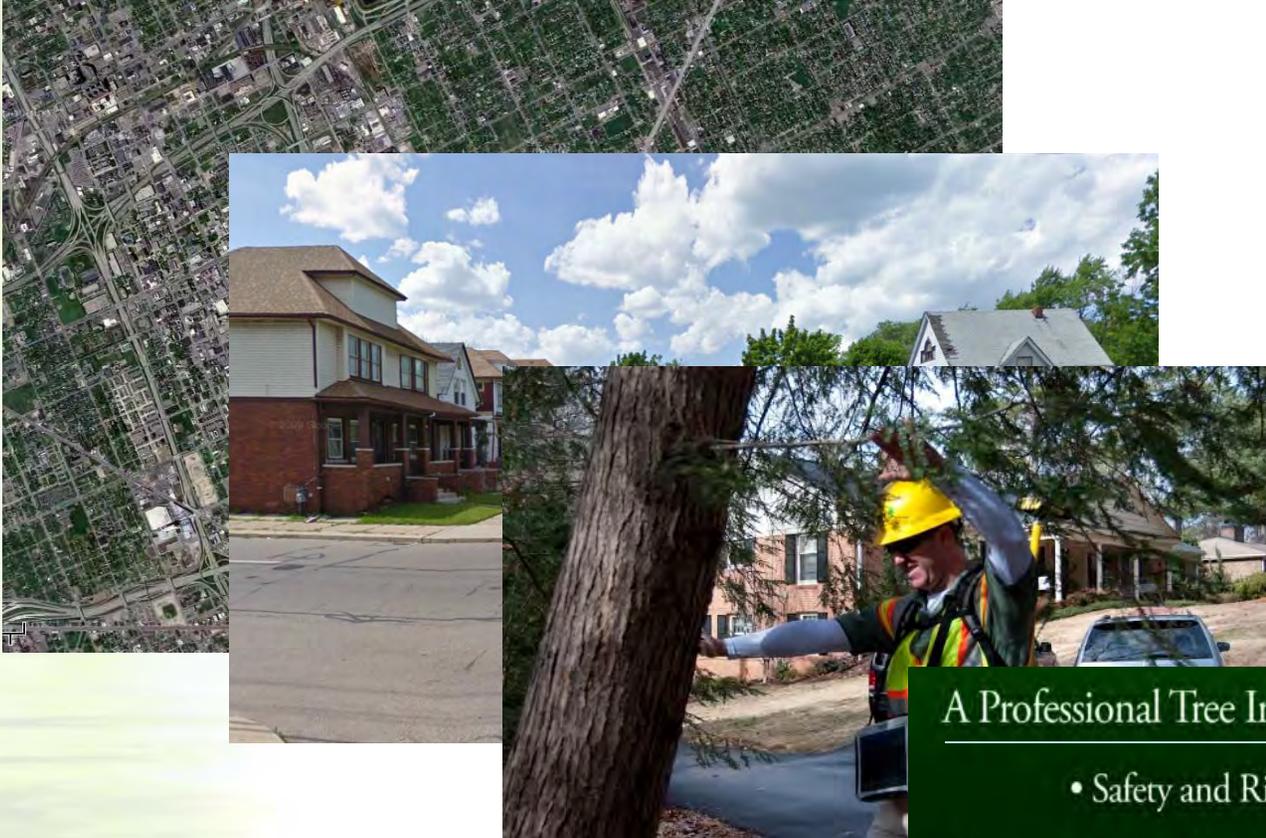
John Gallagher, Detroit Free Press

11:30 p.m. EST December 5, 2015



Detroit Street Tree Inventory

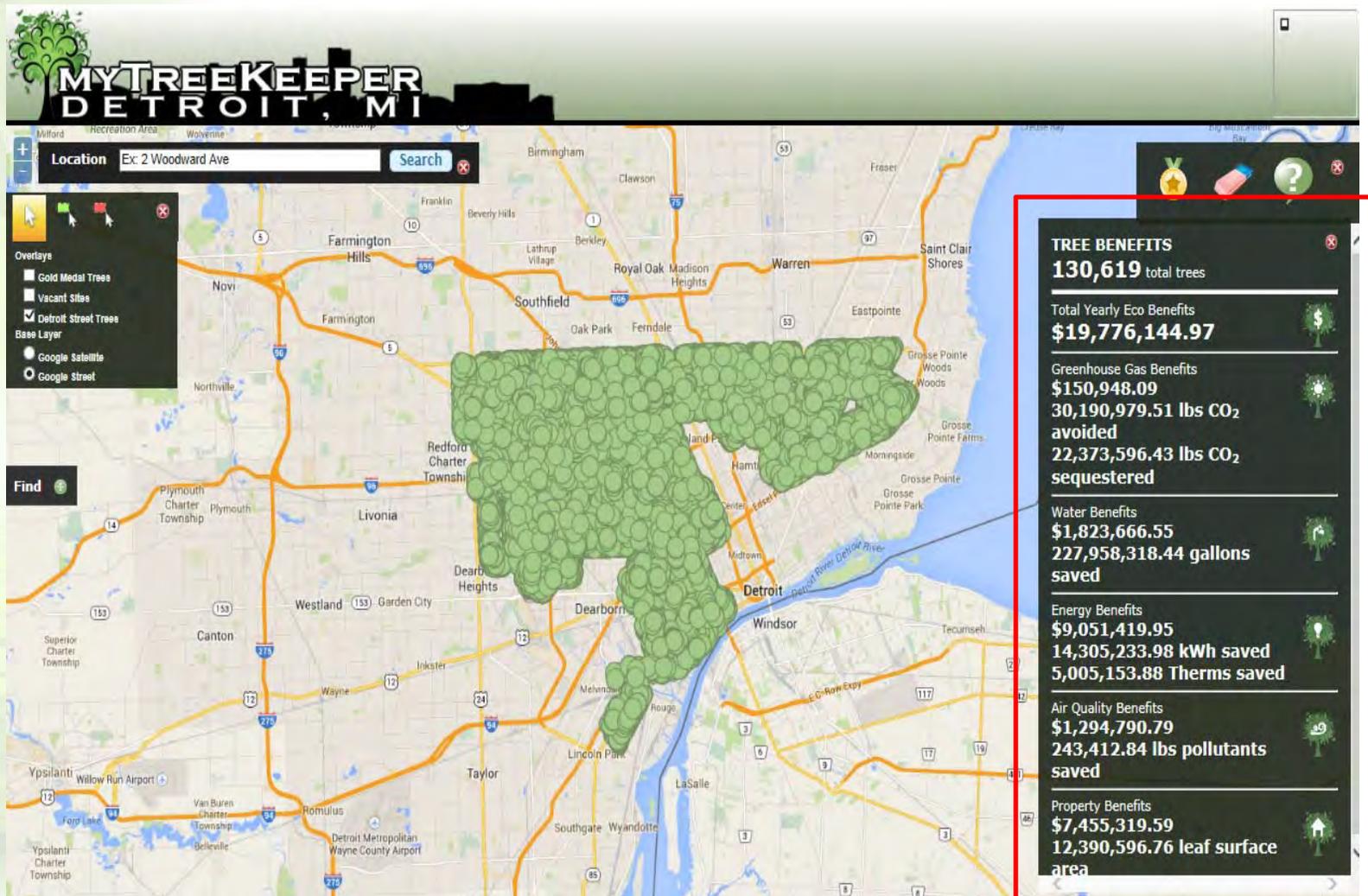
How and Why:



A Professional Tree Inventory Will Address:

- Safety and Risk Management
- Tree Population Identification and Characteristics
- Maintenance Assessment and Work Planning
- Work History and Budget Tracking

Inventory Summary:



<http://www.daveytreekeeper.com/fko/detroitMI/>

Inventory Summary:

Percent Complete: 85%

Trees: 130,625 (~62/mile)

Vacant Spaces: >50%

Diversity:

- 178 species
- 40% Maple

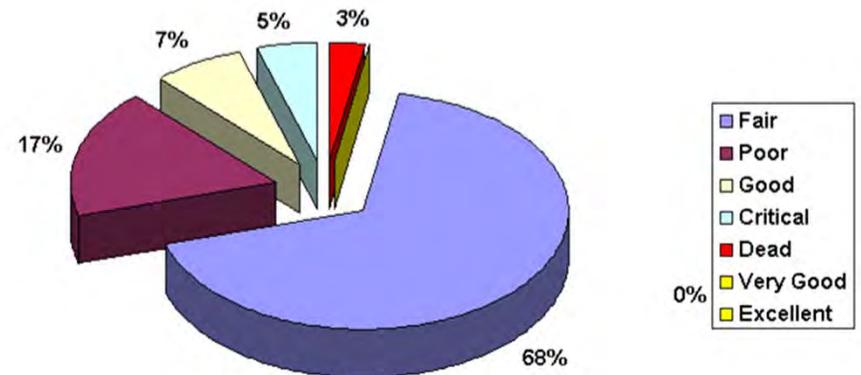
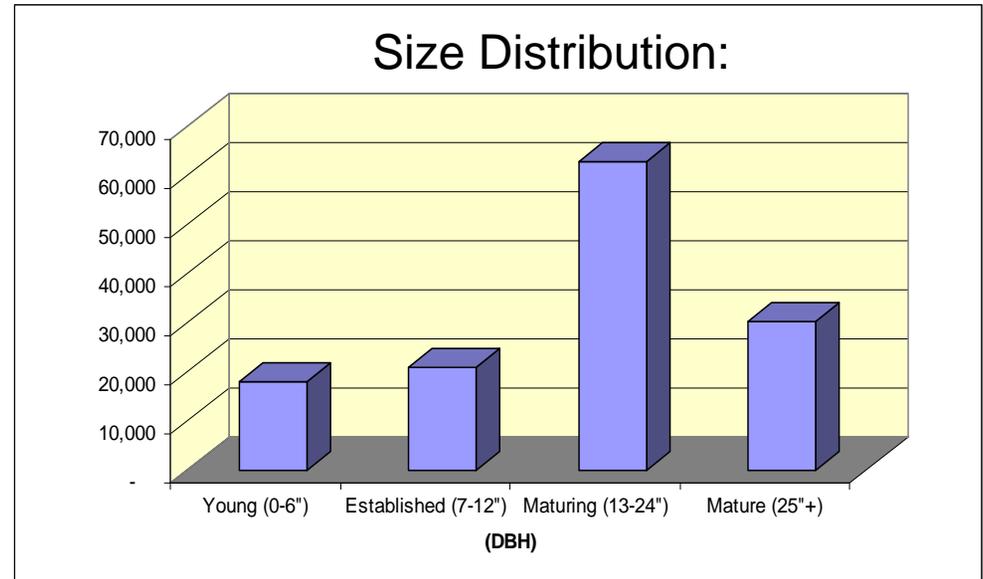
Top 5 Species:

1. Norway maple (18%)
2. Silver maple (15%)
3. Honeylocust (14%)
4. Green Ash (6%)
5. Red maple (4%)

Size: (14%: 16%: 48%: 23% by size class)

Condition: 75% - Fair or better

Maintenance: 15% removals needed



Condition Rating:

Public-Private Partnerships:

The screenshot shows a webpage from Davey, Inc. The header includes the Davey logo with the tagline "Proven Solutions for a Growing World" and navigation buttons for "your home", "your business", "work for DAVEY", "about us", and "ask the expert". A search bar and social media share buttons are also visible. The main content area features a sidebar with "your business" categories: utility services, commercial services, and municipal/government services. The main article is titled "Public-Private Partnerships Key to Managing Detroit's Public Trees" and discusses a grant awarded to Davey Resource Group (DRG) for an inventory of 150,000 street trees in Detroit using a new i-PED module. A photo shows a worker in a safety vest inspecting a tree.

DAVEY
Proven Solutions for a Growing World

SHARE

Search

your home your business work for DAVEY about us ask the expert

your business

- ▶ utility services
- ▶ commercial services
- ▶ municipal / government services

Your Business / Davey Resource Group / Natural Resource Consulting / Urban Forestry / Urban Forestry eNewsletter / Urban Forestry / 2011 / Summer / **Public-Private Partnerships Key to Managing Detroit Trees**

Public-Private Partnerships Key to Managing Detroit's Public Trees

The Davey Resource Group (DRG) was awarded three separate grants to conduct an inventory of approximately 150,000 street trees using the new Tree Integrated Pest Detection module (i-PED). Noting more detailed information about the current state of Detroit's trees, Davey hopes it can help the city analyze and predict pest threats or conditions before they become damaging to the city's important trees.

This project also marks a moment in Davey history – this will be the first official extensive testing of the new i-PED module on a significant number of trees. "It's been used on 60 or 70 trees, but this is more than 150,000 trees," says Josh Behounek, DRG project developer. "The U.S. Forest Service hopes to take this example and use it to inventory trees across the U.S. In five years, they hope to have every inventory



“Through this partnership and grant, the City will be able to accomplish something it could not finance or conduct on its own.” - Brad Dick, Deputy Director of General Services, City of Detroit





McArthur Bridge – Detroit, MI

Belle Isle Park:

The DNR's UCF program is playing a key role in the revival of this 125-year-old park helping it become a magnet for citizens and tourists alike!



Thank You!

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