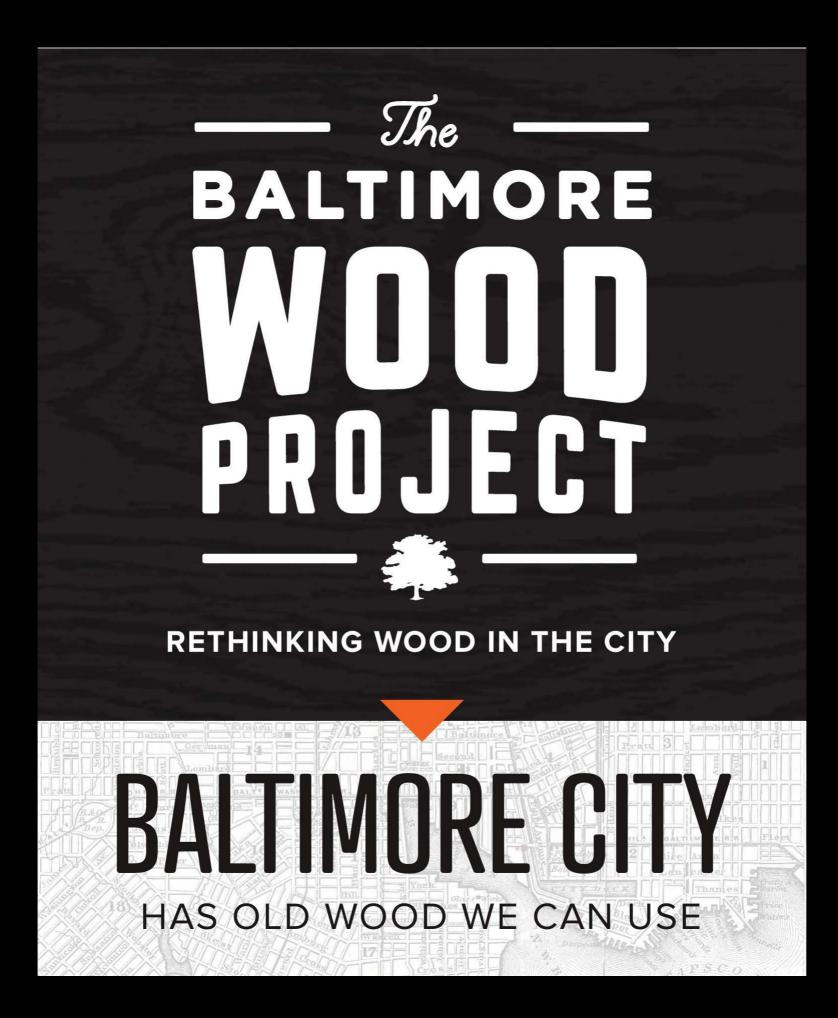
The Baltimore Wood Project

Turning wastes to assets in the sustainable city



Supply chains

- Generators
 - Who creates wood residue?
- Processors
 - Who collected and cuts/dries wood residues?
- Producers
 - Who adds value and sells as products?

FROM WASTE TO WEALTH

Wood is salvaged from building deconstruction and urban tree care operations, and taken out of the city's waste stream.











Collected wood is diverted from space-limited landfills and other waste facilities.



A local facility is dedicated to sorting and processing salvaged wood for its best use.



The wood is repurposed and resold locally, creating a closed loop system. Reclaimed and upcycled wood products are available for sustainable building, furniture, energy, and other uses.





FOUR PROJECT COMPONENTS





SALVAGE



SORT



USE



- Stocks
 - How much material is out there?
- Drains
 - How much is consumed annually?
- Supply
 - What is the annual supply capacity?
- Urban FIA
- Public tree inventory
- Demolition/deconstruction schedule



USDA United States Department of Agriculture Research & Development **Forest Service** manage of the Forest Service Home About the Agency Contact the National Office

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Urban Forest Inventory and Analysis (FIA)



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Research Highlights

Invasive Species Inventory. Monitoring &

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Water, Air & Soil

• Wildland Fire & Fuel

Wildlife & Fish

Priority Areas Experimental Forests &

Ranges

Partnershins

People Locations

About R&D

National Genomics

Center for Wildlife & **Fish Conservation**

Urban Forest **Connections Webinar**

Contact Information

US Forest Service Research & Development 1400 Independence Ave., SW Washington, D.C. 20250-0003



The Forest Service is Forest Inventory and Analysis (FIA) program has provided the Nation is forest census since 1930. A system of forest measurement field plots across the United States serves as the programus foundation. Annual forest data collection, analysis, and reporting provide critical information needed to assess the status, trends, and sustainability of the Nation's forests. FIA represents the vast majority of trees nationally, but the program@s definition of forest land leaves out most urban areas: FIA defines forest land as forested areas that are undeveloped or "not developed for nonforest land users", are at least an acre in size and 1200 in width, and contain a "live plus missing" canopy cover of at least 10

percent. In recognition of the importance of including all forests in the nation's forest census, the Forest Service is establishing a systematic approach for collect the status and trends of urban trees and forests.

The **Urban FIA program** fuses the infrastructure of the traditiona with the urban inventory expertise provided by i-Tree. New Urban will be used to produce estimates of the quantity, health, composit trees and forests. The Urban FIA program will complement existing provide a cohesive picture of urban forest conditions in the U.S.

The program includes urban versions of two important FIA program Woodland Owners Survey, which is the official census of U.S. fores Product Outputs survey.

Urban FIA Frequently Asked Questions (pdf) »

Urban FIA webinar recording and presentation materials



800-832-1355



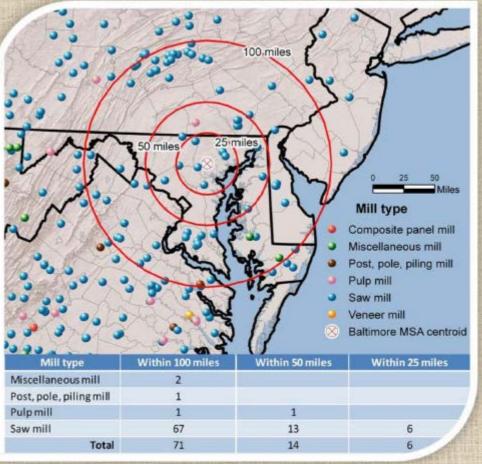
i-Tree is a state-of-the-art, peer-reviewed sc Forest Service that provides urban forestry a assessment tools. The i-Tree Tools help com strengthen their urban forest management a quantifying the structure of community trees services that trees provide.

Learn more about i-Tree »

Learn more about the Forest Inventory & Analysis Program »

- & Use Resource Management & Use Home Agroforestry Forest Products Forest Restoration Research Landscape Science Management &
- **Operations Research** Urban Research

Besearch Areas



Resource Management

1/6 Acre vs. Traditional FIA

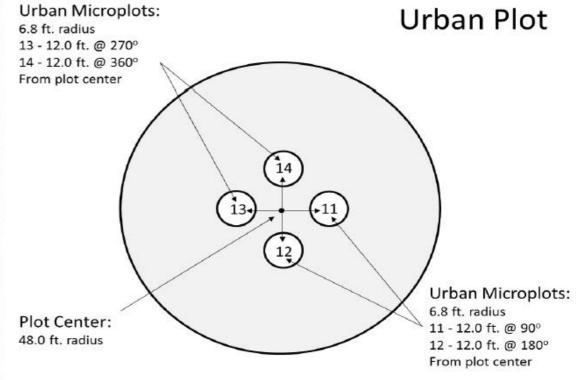




Urban FIA Plot foot print:

-1/6 Acre Subplot, 48' Radius:	tree samp
-Four 6.8' radius Microplots:	sapling su

tree sample sapling sub-sample









The Camp Small Zero Waste Initiative

Shaun Preston

Camp Small Yard Master Forestry Division, TreeBaltimore Baltimore, MD 21217 Phone:(443) 934-4128 Email:shaun.preston@baltimorecity.gov

Our Partners

Local	State	Federal	Non-profit



SALVAGE



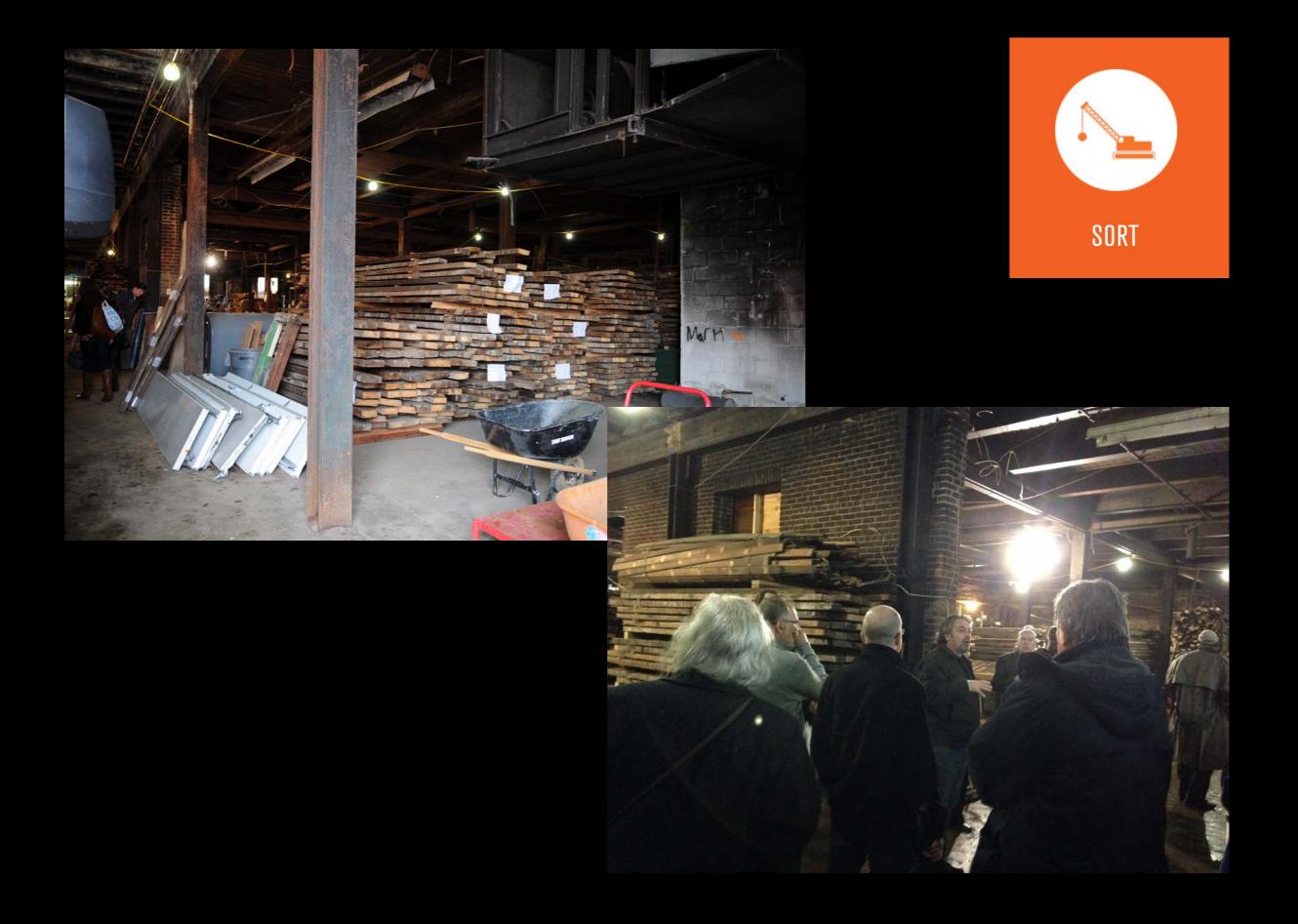












URBAN LOGGING





OECustom

Fresh Cut

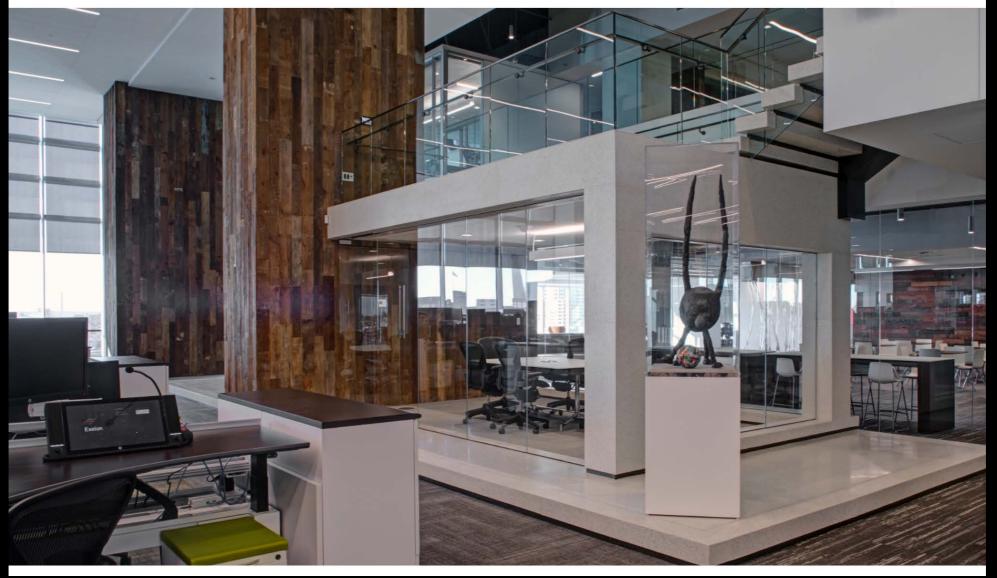




Treincarnation

Fresh Cut - Residential

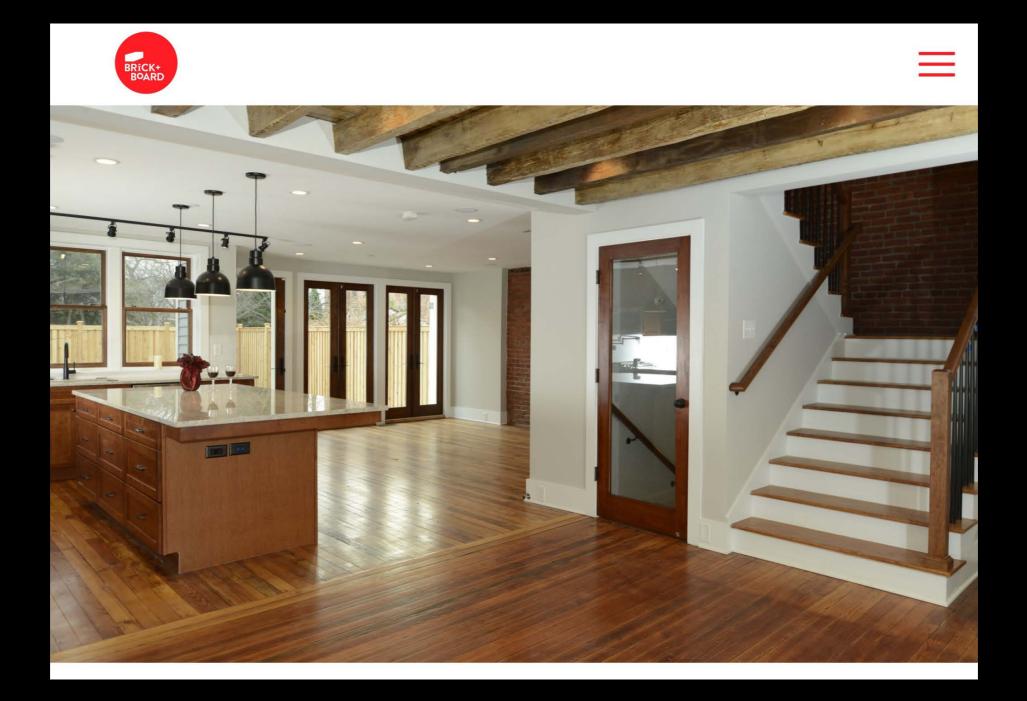






Brick + Board

Deconstruction - Exelon (commercial)



Brick + Board

Deconstruction - Residential



New opportunities for greening, jobs, markets

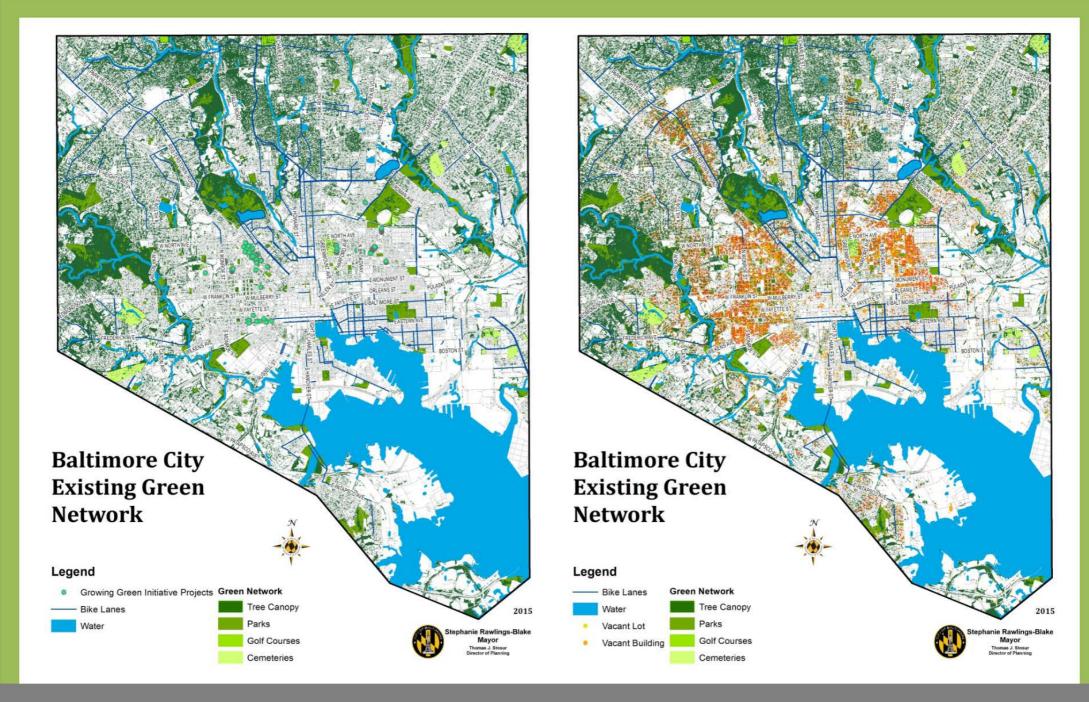


Buildings - 123 houses Bricks - 500,000 Wood - 158,000 be ft Trained - 60 Presently on staff - 40

New contract 3 years 200 houses per year

By Luke Broadwater and Yvonne Wenger - Contact Reporters

By Luke Broadwater and Yvonne Wenger · Contact Reporte The Baltimore Sun



Baltimore's Opportunity to Create a Green Network



WE'RE JUST GETTING STARTED! More to come in 2016.

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