Tree Cover Status & Change

FOR BALTIMORE CITY, MD

28.7%

Total Percent of City with Tree Cover

$18.3 Million

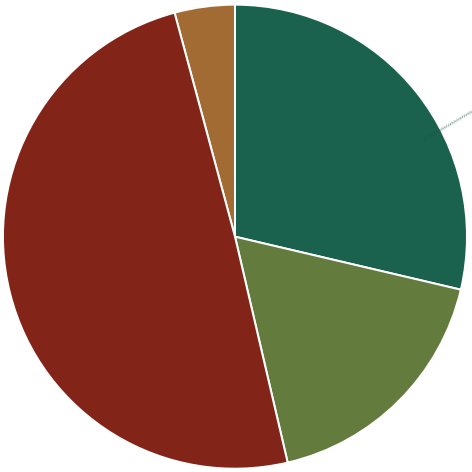
Annual Benefits provided by Tree Cover (in reduced air pollution, stormwater, & carbon dioxide)

81 Acres

Net Gain of Tree Cover on Developed Lands, 2013 to 2018

What is the land use/land cover breakdown in your city?

51,935 ACRES OF LAND AREA
IN BALTIMORE CITY



28.7% Tree Cover [1]
14,880 acres

49.5% Impervious
(Buildings/Pavement)
25,700 acres

17.7% Turf Grass
9,203 acres

4.2% Other [2]
2,151 acres

1. Tree cover includes all trees occurring on all land uses, such as individual trees found over turf, impervious, agricultural, wetlands, or other lands. It also includes areas of "forest," defined in this dataset as patches of tree cover 1 acre or greater, with a minimum patch width of 240 feet.

2. Other includes a mixture of non-treed land uses not captured in the main pie chart categories. See the *Data Guide* for detailed definitions of "other" and all the land use categories.

Land use/land cover statistics were generated based on 2018 imagery using the 2022 edition of the *Chesapeake Bay Land Use and Land Cover Database*.

Where does tree cover occur in your city?

22.9%
is in forest
(**3,404** acres)

20.7%
is over impervious
(**3,073** acres)

48.4%
is over turf grass
(**7,195** acres)

8.1%
is other tree cover
(**1,208** acres)

What are some benefits of tree cover in your city?

Total Air Pollution Removal Value
987,000 lbs removed annually
$11.3 Million saved annually
Total air pollution removal includes CO, NO_2, O_3, SO_2, and Particulate Matter (PM2.5, PM10).

Gallons of Reduced Stormwater Runoff Value
374 million gallons reduced annually
$3.3 million saved annually

Carbon Sequestered Value
20,000 tons removed annually
$3.7 million saved annually

Calculated based on 2018 tree cover data using: *landscape.itreetools.org*

Chesapeake Bay Program
Science. Restoration. Partnership.

University of Vermont Spatial Analysis Lab

Chesapeake Conservancy

USGS science for a changing world

Forest Service U.S. Department of Agriculture

CHESAPEAKETREES.NET
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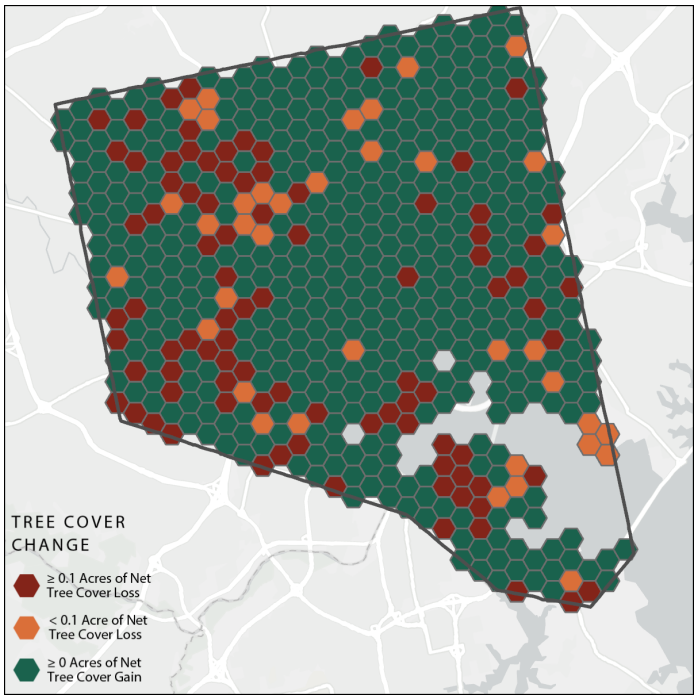
How is tree cover changing on developed and developing lands?



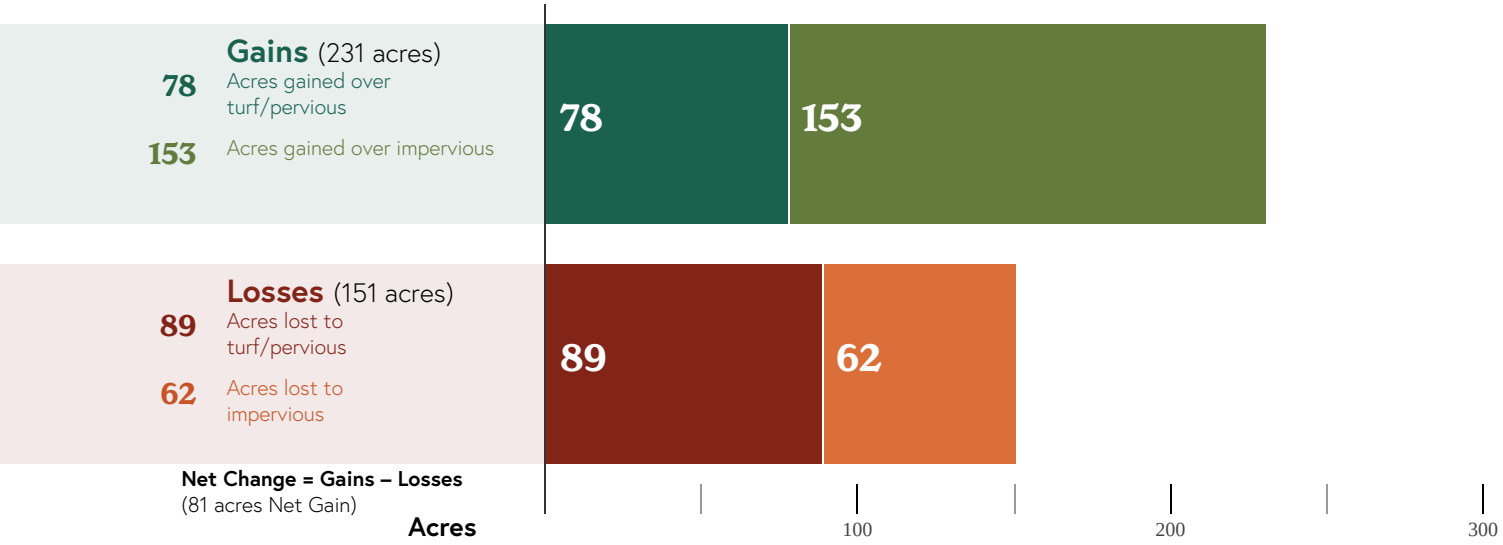
Understanding how your tree cover changes over time can inform the sustainable management of forests and community trees. The map to the left shows where your city has lost and gained tree cover from 2013 to 2018, focusing on land that is already or newly developed.

Tree cover can be lost quickly due to human activities (e.g., construction) or natural events (e.g., severe weather).

Tree cover can be gradually increased through tree planting and natural regrowth, but these gains may take 10-15 years to be detected in high resolution imagery.

Since mature, healthy trees provide significantly greater community benefits than newly planted trees, it is important to both preserve existing tree cover and seek opportunities to grow new trees and forests. Local land use planning, ordinances, and tree programs play a critical role!

Tree Cover Change on developed/developing lands (2013–2018)



Learn More:

Chesapeake Tree Canopy Network
Links to county fact sheets, user guides, map viewers, datasets, and more

Tree Equity Score
Explore maps of how tree benefits are distributed across communities

Capitalizing on the Benefits of Trees
A slideshow for local leaders featuring tree benefits, case studies and resources

State Urban and Community Forestry Assistance
(Maryland Website)

Fact sheets produced through a grant from the **USDA Forest Service.** USDA is an equal opportunity provider, employer and lender.