


State of Chesapeake Forests 2.0



Katie Brownson, USFS

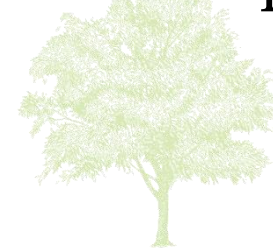
The image shows the cover of a report titled 'The State of Chesapeake Forests'. The cover features a photograph of a large, old tree with thick, gnarled branches and vibrant green leaves. The tree is situated next to a body of water, which reflects the tree and the sky. The title 'The State of Chesapeake Forests' is written in a large, elegant, white serif font with a red outline, positioned diagonally across the middle of the cover. At the bottom, the text 'THE CONSERVATION FUND' is printed in a smaller, white, all-caps serif font.

The State of Chesapeake Forests

THE CONSERVATION FUND

State of the Chesapeake Forests

- History
- Importance of forests for habitat, watershed function, economy
- Current and expected future conditions
- Strategies for protection, restoration and stewardship



SOTF 2.0 Goals

- Characterize current state of the forests based on high-res data
- Characterize forest/tree cover change since 2013
- Evaluate implications for water quality and other ecosystem services
- Identify potential management and policy implications

Phase 1: State of Chesapeake Forests 2.0 Storymap

State of Chesapeake Forests 2.0

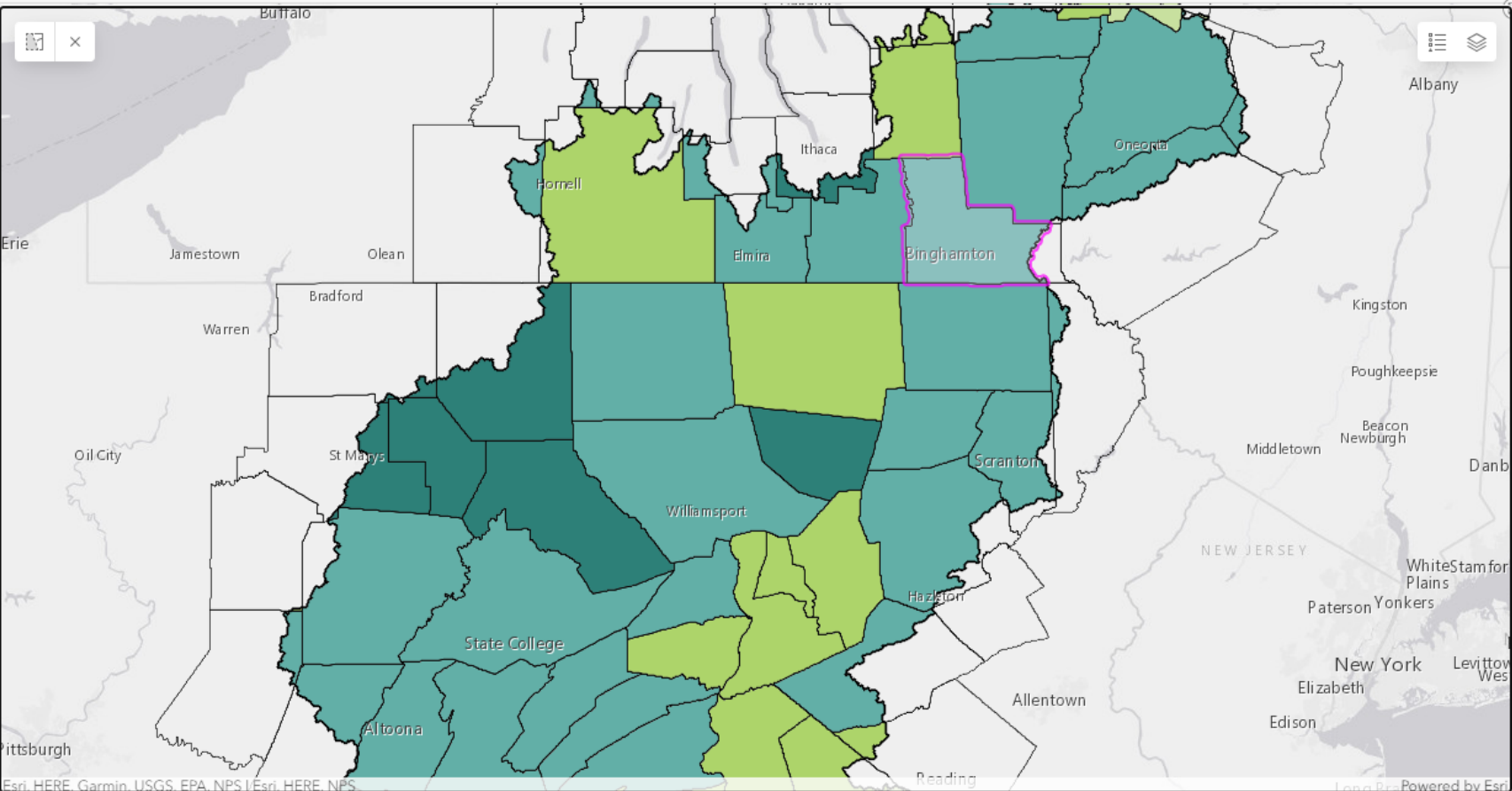


Forest and tree distribution Tree cover (2017/18) Forested extent (2017/18) Tree cover change Forested extent change Next Steps

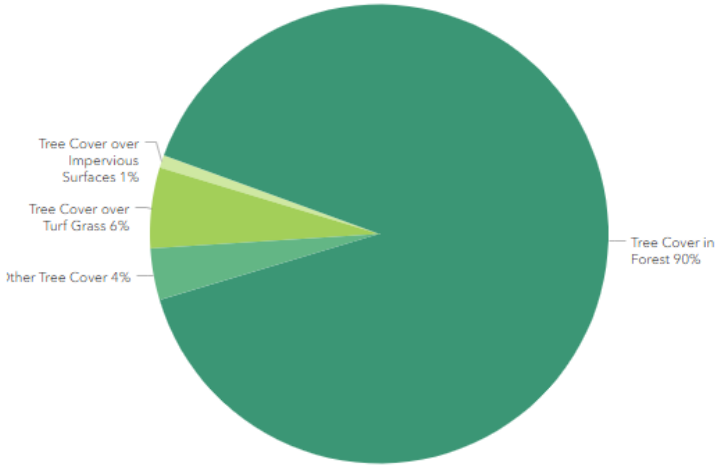
Broome County, NY

Percent Tree Cover: 62.8%

Within the Chesapeake Bay Watershed

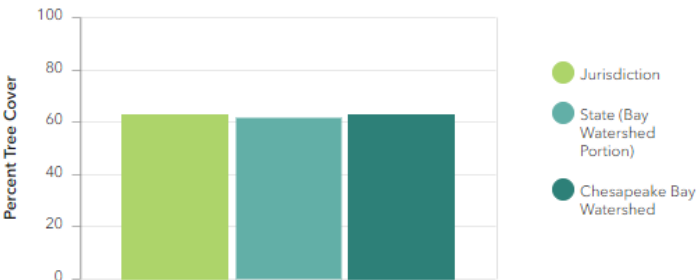


Distribution of Tree Cover Classes



Tree Cover in Forest: Patches of tree cover 1 acre or greater, with a minimum patch width of 72M
Other Tree Cover: smaller patches of tree cover that are assumed to have an unmanaged understory

How Does Your Jurisdiction Compare?

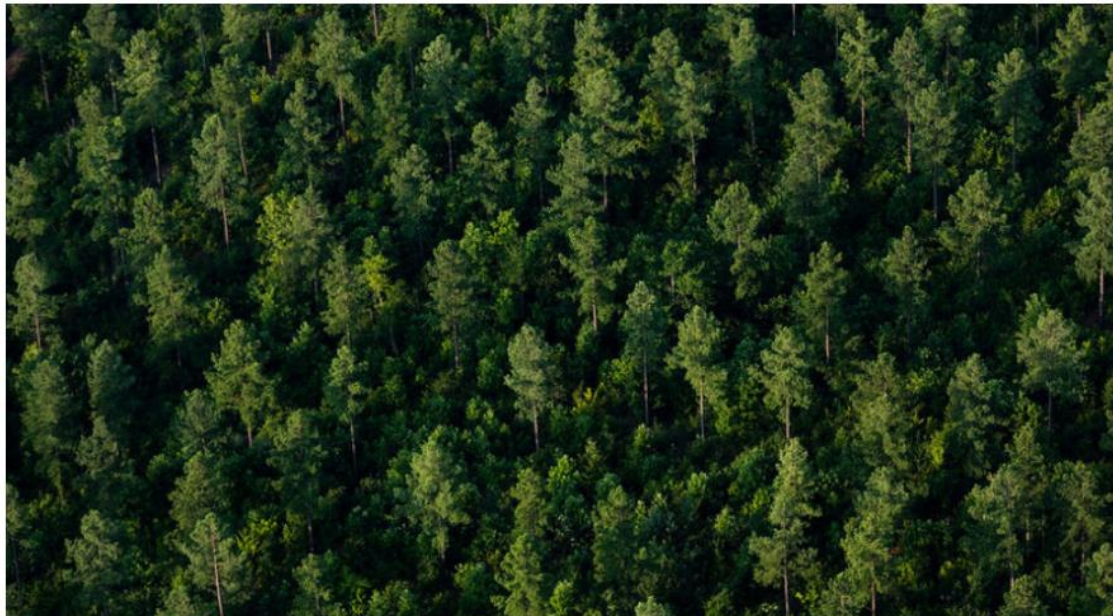


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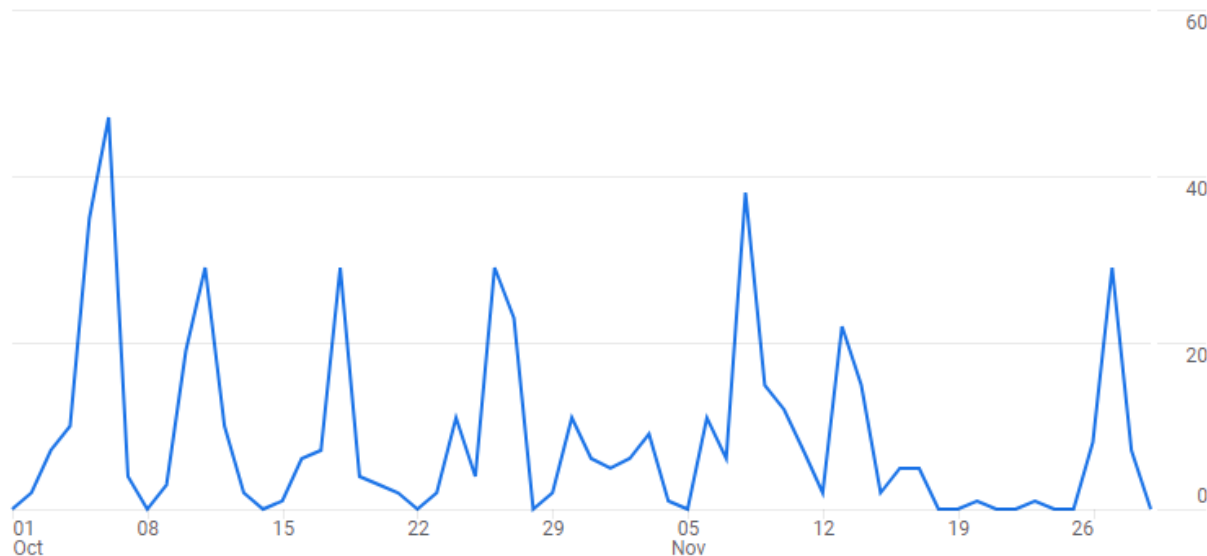
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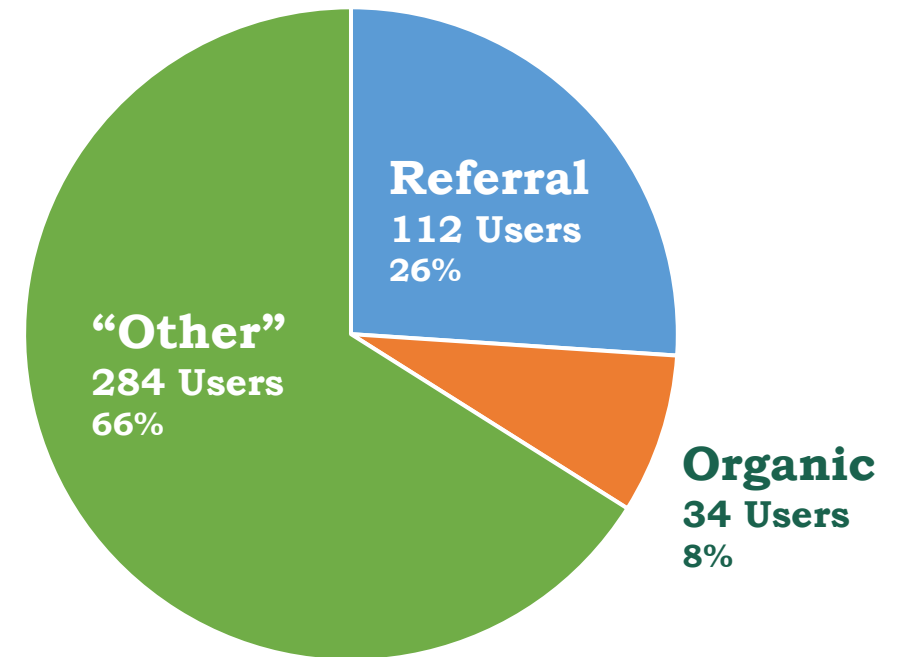
SOCF 2.0 Usage Analytics

- 430 total unique users over two months (Oct 1st – Nov 29th).
- Users spent an average of 3m 42s engaging with the Storymap.
- 16% of users engaged with the mapping application.

Users by Audience over time

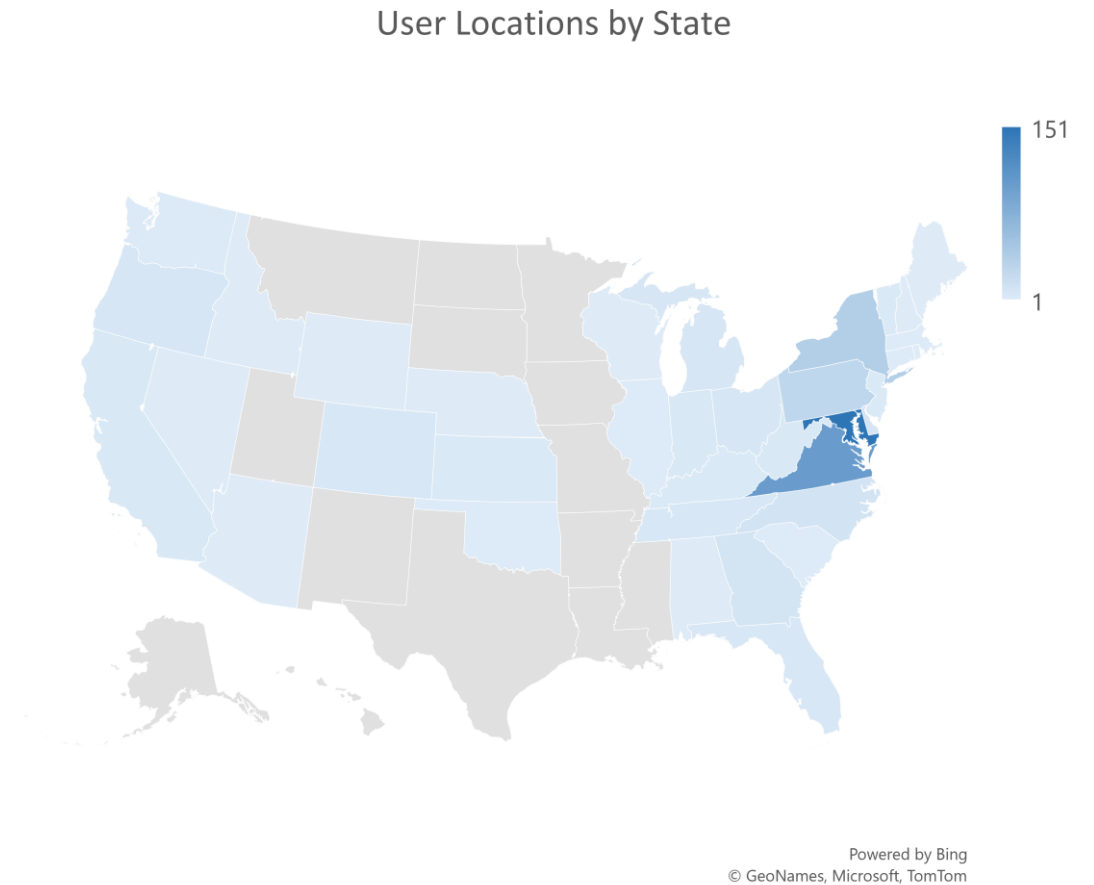
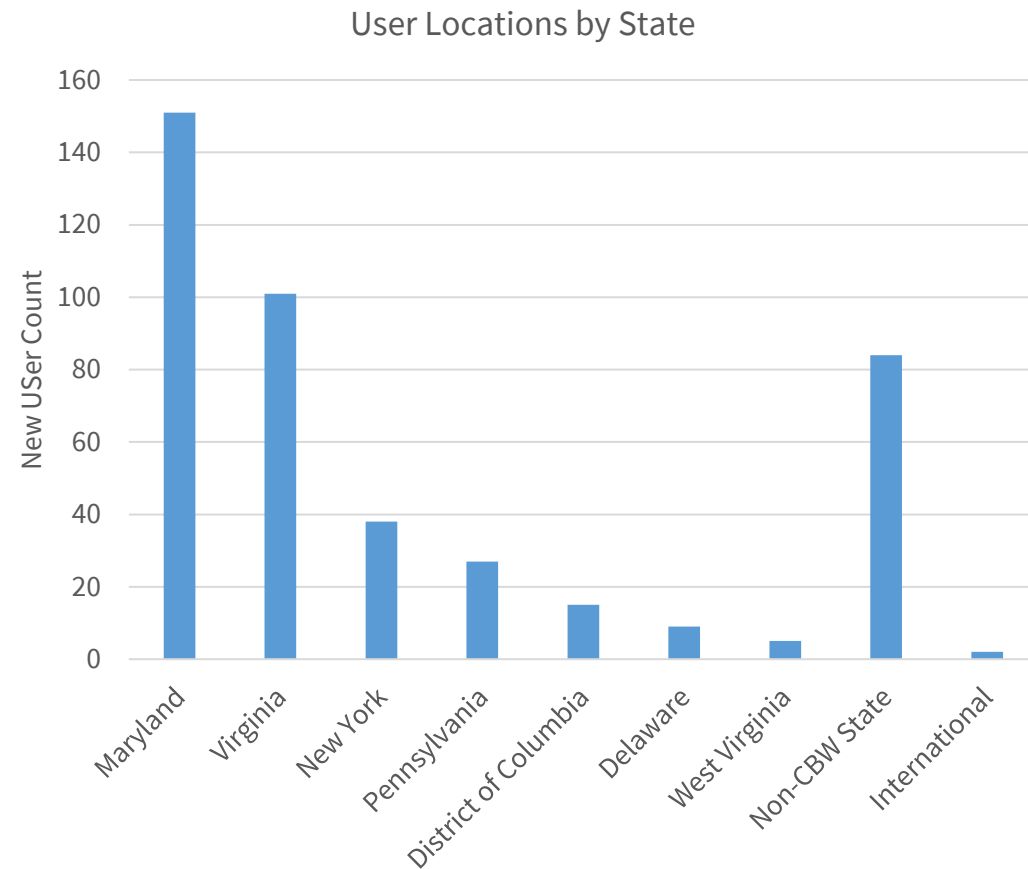


How New Users Find The Storymap



- Referral: Users who click on a link on a website
- Organic: Users who click on a link through a search engine
- Other: Users who arrive to the website by typing in the URL, clicking a bookmark, **click a link on Outlook** or a messaging software.

User Demographics



Other feedback on Phase 1?

Planning for Phase 2

- Riparian forest cover and change analyses
- Distribution of forest/tree cover change. Potential overlays:
 - Equity
 - Protected lands
 - Forest health layers?
 - Others?
- Use CAST to evaluate water quality implications of forest/tree loss to development
- Additional case studies

Chesapeake Conservancy support

- Plantable space analysis
- Fragmentation analysis
- Proof of concept for a seral stage analysis

Process for Phase 2

- Work directly with the Chesapeake Conservancy and the USGS CBPO GIS team
- Bring in subject matter experts to consult on specific analyses
- Use FWG meeting times to get periodic input
- Continue to engage advisory team for input on text, draft map products
 - Let me know if you'd like to join the advisory team!

Beyond Phase 2

- Updating maps/data with 2021/2022 data
- Integrate hyper-res hydrography data into riparian forest analysis
- Complete seral stage analysis
- Other analyses to consider:
 - Overlays with climate layers
 - Parcelization
 - Tree cover change on ag lands
 - Others?
- Explore additional formats for communicating information from the Storymap (PDFs, printed products, etc.)

Questions or suggestions?

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