

Protected Lands Data Update

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Protected Lands

"Protected lands" means lands permanently protected from development, whether by purchase or donation, through a perpetual conservation or open space easement or fee ownership for their cultural, historical, ecological, or agricultural value.



Protected Lands RECENT PROGRESS INCREASE





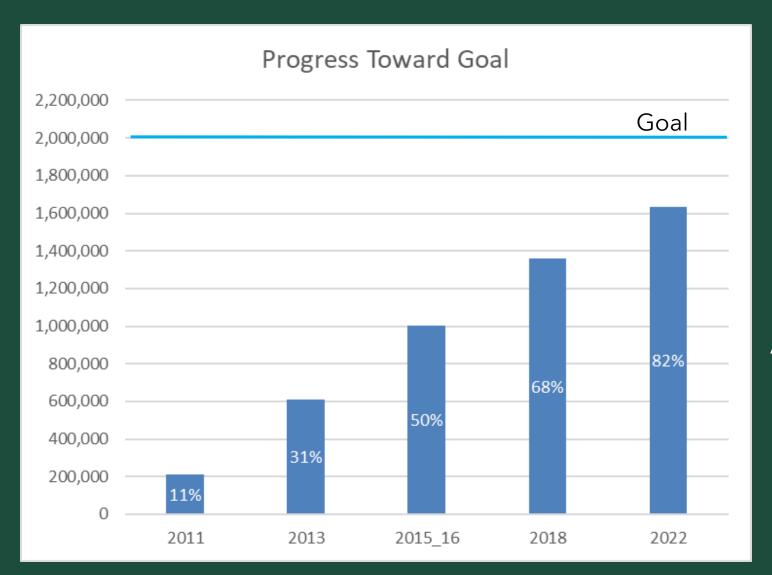
By 2025, protect an additional two million acres of lands throughout the watershed—currently identified as highconservation priorities at the federal, state or local level—including 225,000 acres of wetlands and 695,000 acres of forest land of highest value for maintaining water quality.

Progress

Recent Progress: Increase

According to data collected through 2022, nearly 1.64 million acres of land in the Chesapeake Bay watershed have been permanently protected since 2010. This marks an achievement of 82% of the land conservation goal adopted in the *Chesapeake* Bay Watershed Agreement and brings the total amount of protected land in the watershed to 9.1 million acres.

Protected Lands Progress towards 2M Acre Goal



2010 Baseline: 7,474,811 acres

2022 Progress: 9,109,278 acres

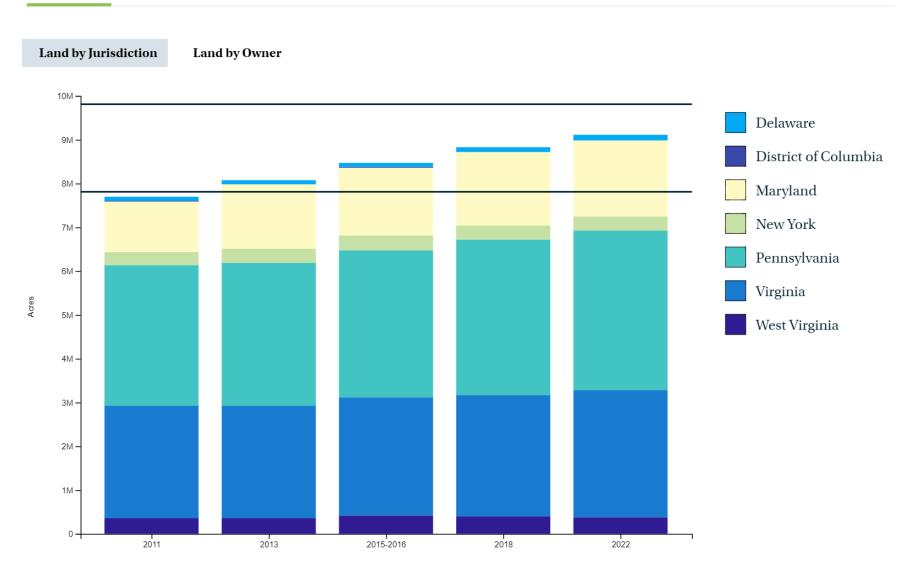
Acres Protected since 2010 1,634,467

Remaining: **365,533 acres**

Protected Lands (Cumulative) (2011-2022)

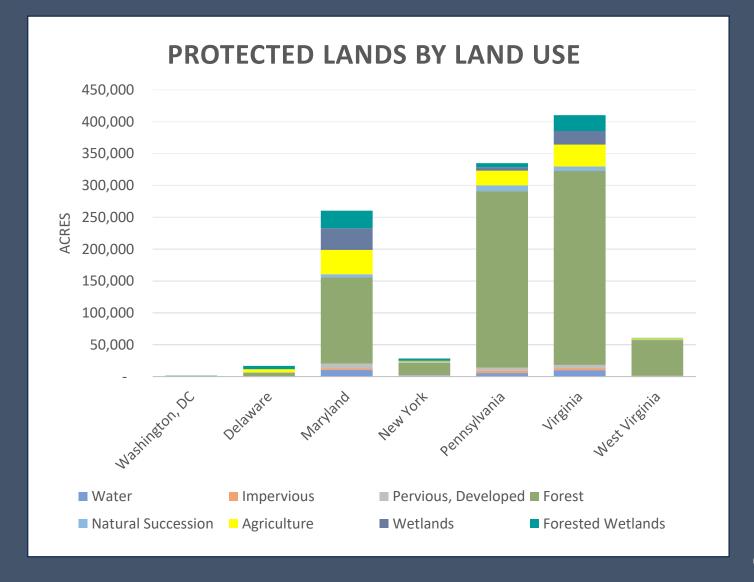
Some increases in acreage can be attributed to newly protected parcels of land. Other increases can be attributed to the addition of previously protected but newly digitized, corrected or refined parcels.

VIEW CHART VIEW TABLE



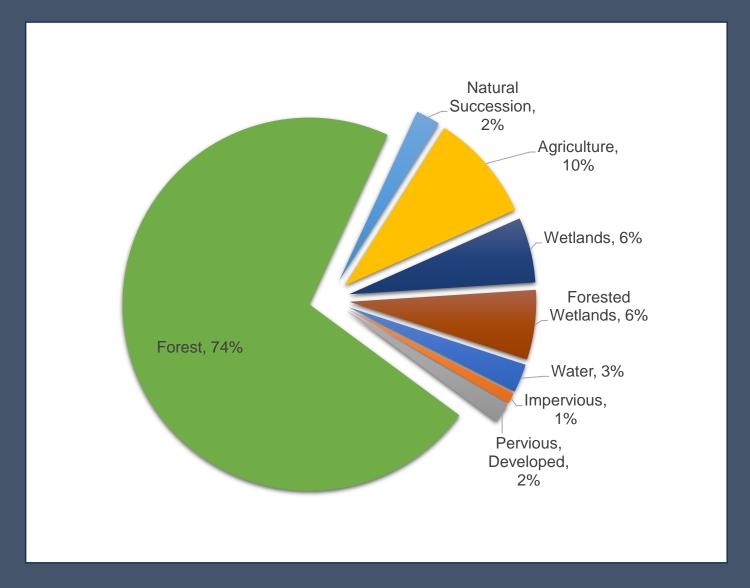


Land Use



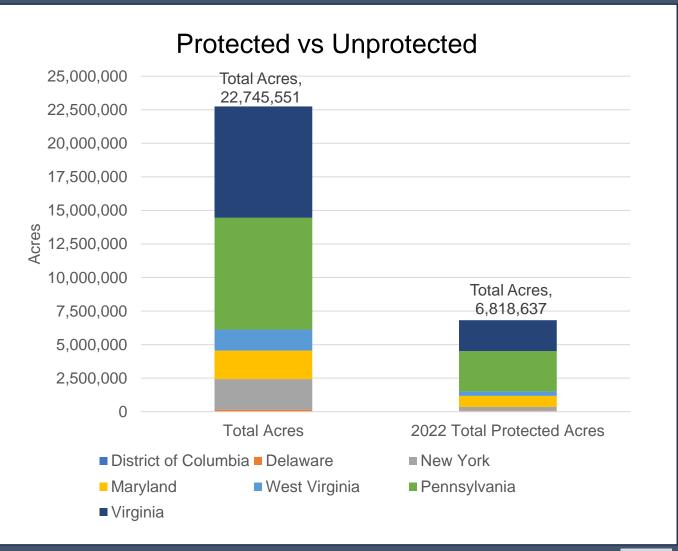


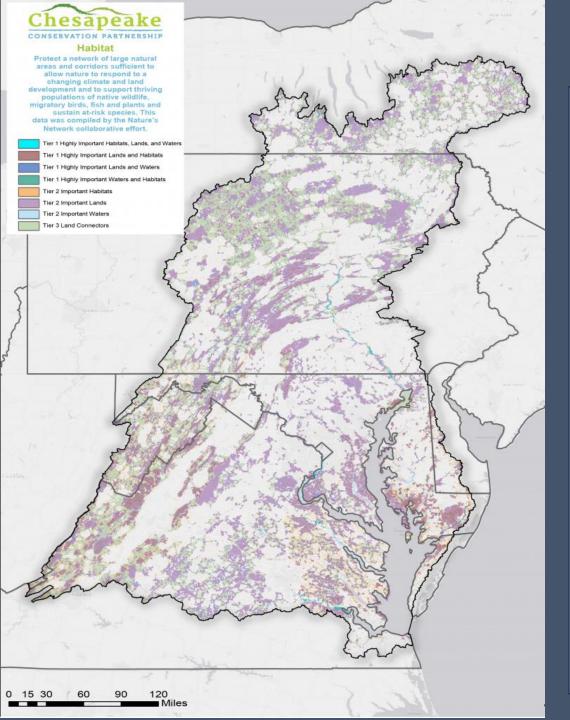
Riparian Land Use



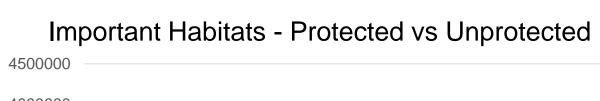


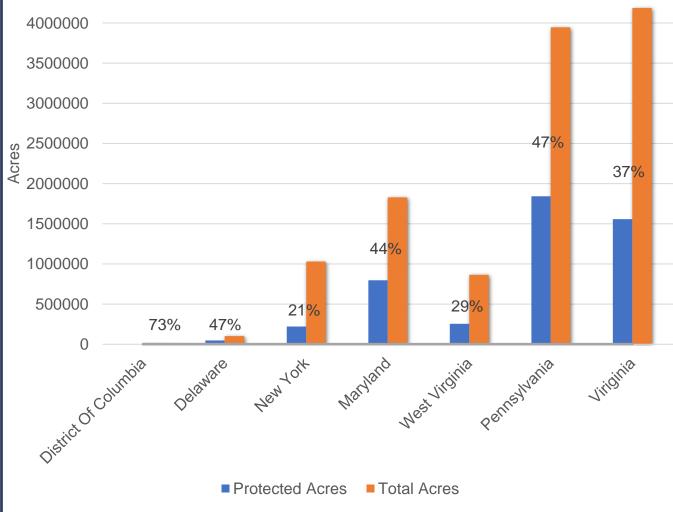
High Value Forests





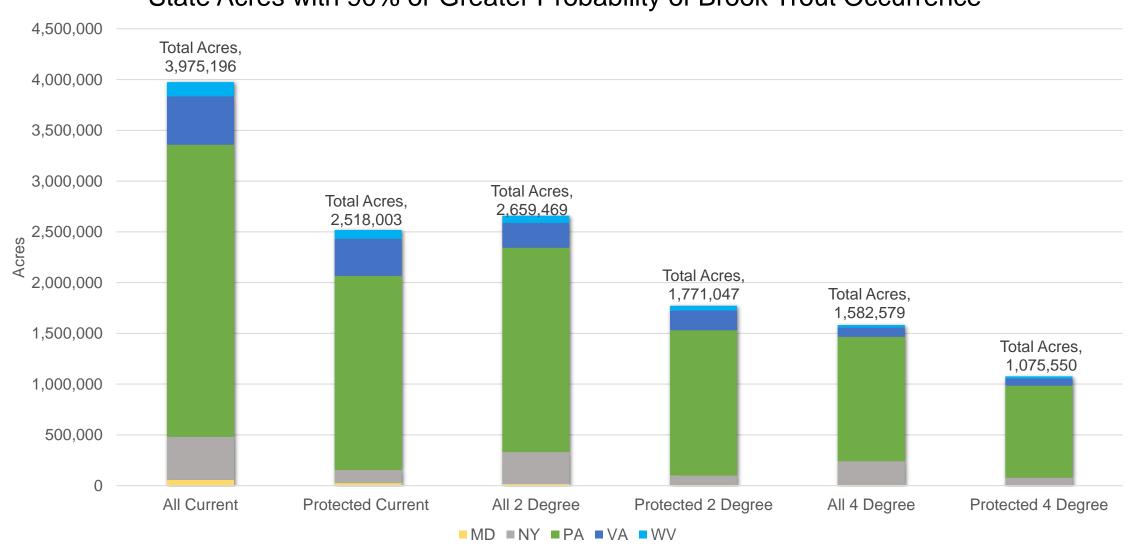
High Value Habitat





Brook Trout







Changes with Tracking Land Protection

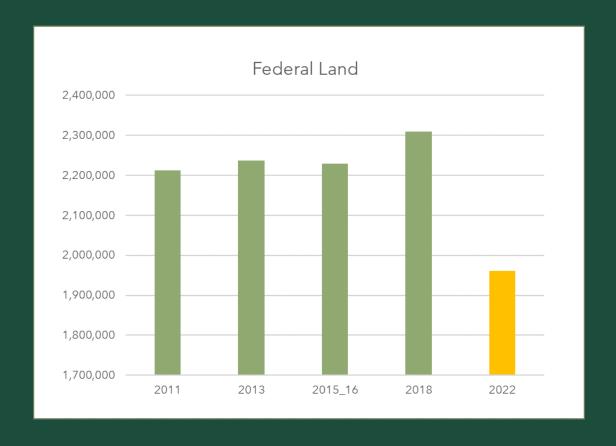
Change over time can reflect...

- Land protection accomplishments
 - e.g., State purchases x acres for conservation purposes
- Changes in data sources
 - e.g., a new data resource is identified that is more comprehensive than what has been used in the past
- Changes in methods or definitions
 - e.g., PAD-US changes criteria for what is considered "protected"

Federally Protected Lands and Improvements in Data

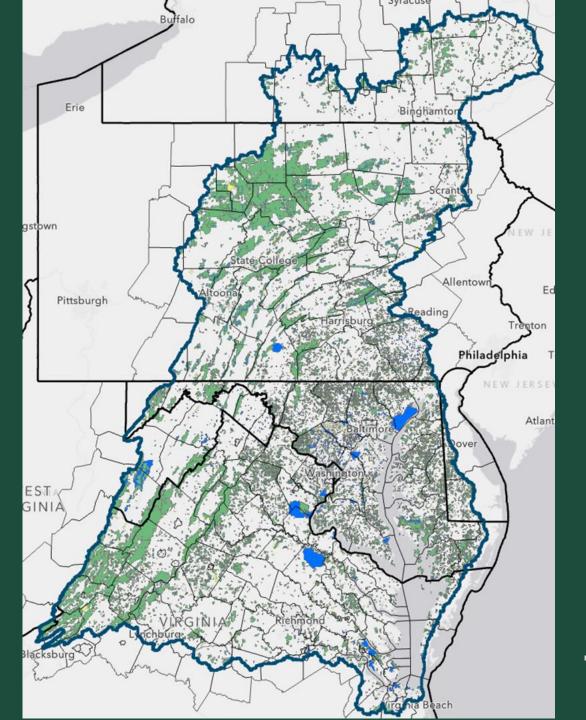
Improvements to the Federal land extent based on changes to PAD-US

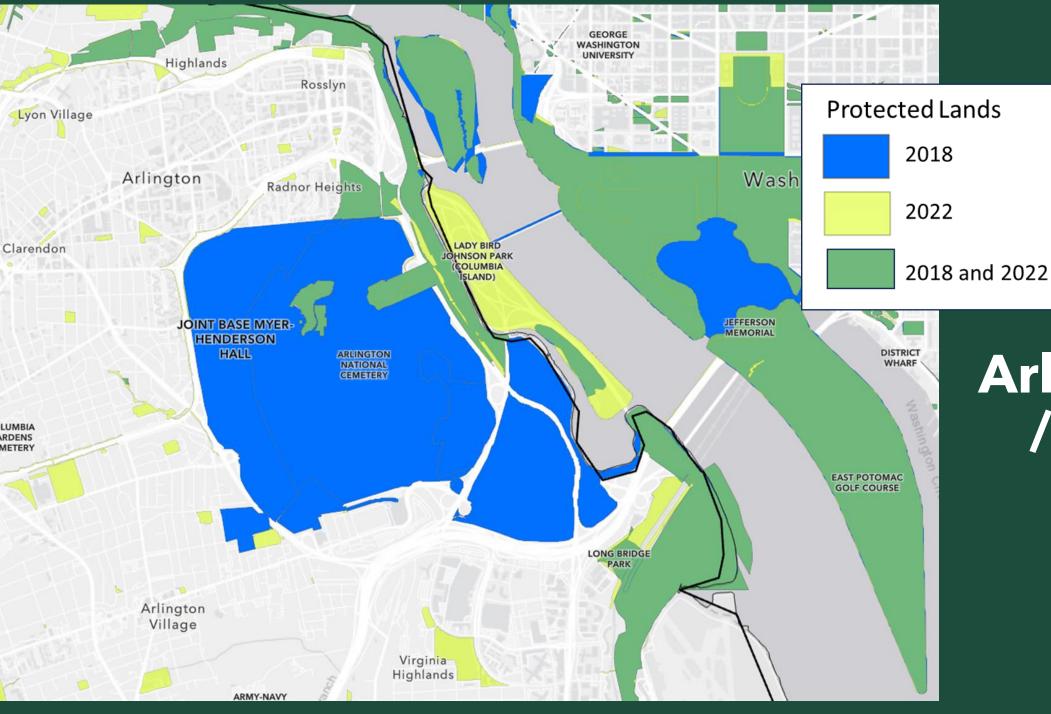
- Removal of DoD lands not permanently protected or managed for conservation purposes
- Removal of inholdings
- Mapping federal ownership or protection as opposed to proclamation boundaries
- Removal of reservoirs



Comparing 2018 and 2022





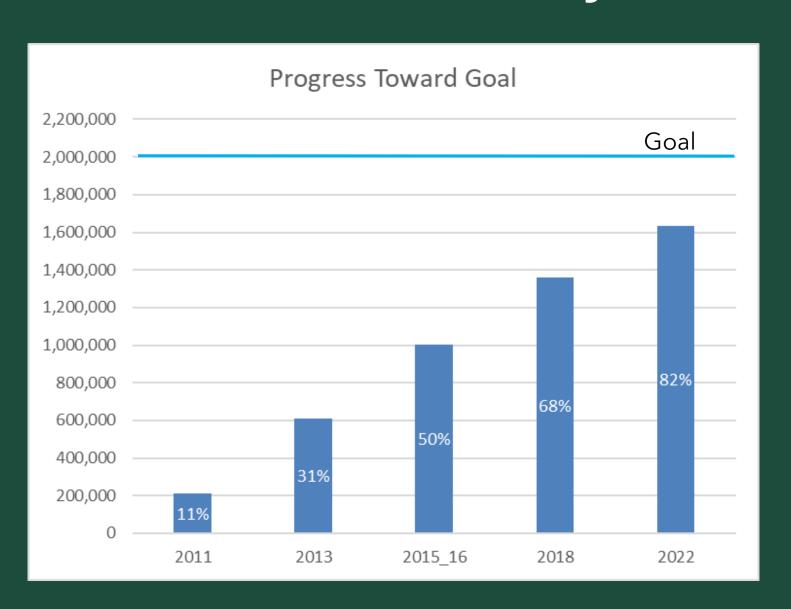


Arlington / D.C.

Applied Analysis and Adjustments

- Identify Federal lands that, in 2022, are no longer counted as per PAD-US
- For 2018 and earlier years, remove those same federal lands so they are treated consistently throughout entire period of record

Post-Retroactive Adjustment



2022 Update - Lessons Learned

What is working well with current method?

Continue to improve methodology for more accurate accounting.

What are some current obstacles?

- Increased accuracy can lead to counterintuitive results
- Attempts to streamline information collection process only partly successful
- Perceived duplication of effort with PAD-US

Potential to address obstacles or improve efficiency

- GIS Community of Practice to address consistency and reporting needs
- State data stewards take ownership of state land protection reporting
- Strategic plan to address improvements and integration, with input from jurisdictions, Community of Practice and PLWG
- Potential for improved efficiency in reporting through PAD-US collaboration
- Rely on existing published workflows for easements, other protected lands

Actions for Future Progress

- Creation of a new Logic and Action Plan (Winter)
 - Identify actions and priorities to further advance land protection
- Creation of a new GIS Community of Practice (Winter)
 - Contacts pulled from the PAD-US System and contacts suggested by State representatives and the Chesapeake Conservation Partnership

