**Outcome**

Continually improve our knowledge of land conversion and the associated impacts throughout the watershed. By December 2021, develop a watershed-wide methodology and local-level metrics for characterizing the rate of farmland, forest and wetland conversion, measuring the extent and rate of change in impervious surface coverage and quantifying the potential impacts of land conversion to water quality, healthy watersheds and communities. Launch a public awareness campaign to share this information with local governments, elected officials and stakeholders. \*

\*In January 2020, the outcome was modified from the original language.

**Status**

The [Land Use Methods and Metrics Outcome](https://www.chesapeakeprogress.com/conserved-lands/land-use-methods-and-metrics-development) developed an impervious surface cover indicator in 2023, describing the amount of the watershed that is covered by impervious surfaces, the changes in impervious cover time and the types of impervious cover that contribute most to land changes. The metrics described in outcome language will be reassessed in 2024 using data from 2021-22. The Land Use Methods and Metrics Outcome is on course and will be met by 2025.

**What has helped achieve success since 2014?**

*Mention key successes from 2014 to 2023. No more than three-five bullet points.*

* Continued funding support for monitoring land use and land cover metrics.
* Development of the high-resolution land use and land cover datasets and change tool.
* Close coordination with other outcomes, workgroups and advisory committees.

**What challenges have hindered progress?**

*Mention key impediments to achieving the outcome by 2025.*

* Translating the land use and land cover change data into a form that is understood and actionable for communities.
* Continually updating existing high-resolution land cover and land use datasets during each four-year remapping phase.
* The need for a methodology to quantify the impacts of changes in land use on communities and the environment.
* The current strategy for reducing the rate of land conservation through land use planning is passive and lacks sufficient incentives.

**If on course, what is needed to continue current trajectory? If off course, what is needed to accelerate progress? If uncertain, what would need to be done before 2025 to classify as on course/off course and can this be done in that timeframe?**

*No more than three-five, succinct bullet points.*

* Funding for a new cooperative agreement and CBP staff to continue robust land cover, land use monitoring and develop change products.
* Clear charge for the LUWG and/or other appropriate workgroup to directly work with pilot communities (local governments) to develop meaningful uses for land use data in local planning and stormwater management.
* Direct communication with jurisdictions on how they can incentivize land use planning at the state level using land use data.
* Better identification of the cross connections with other outcomes.