Chesapeake Bay Program
Science. Restoration. Partnership.

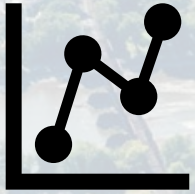
June 17, 2026

Management Strategy Brainstorm

Jackie Pickford, USGS-CBPO
Land Use Workgroup

What is the Land Use Decision Support (LUDS) Outcome?

Developing and delivering relevant land use information to support local planning and decision-making.



Develop the data

Actionable land use information

Deliver the data

Support planning & decision-making

Document the impact

Collect and communicate use cases

Management Strategy Sections

Baseline & Current Condition

Monitoring Progress & Indicators

Situation Analysis

Management Approaches

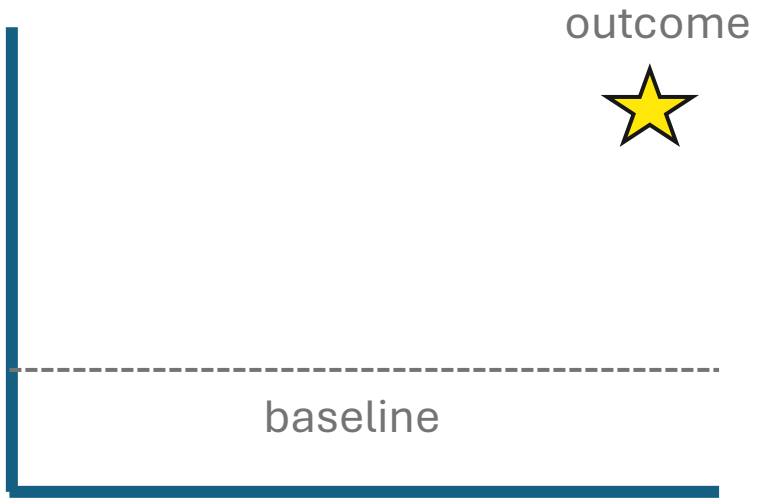
Snapshot of Signatory Programs

Participating Partners

Statutory Authority of Signatories

All: Please provide feedback on all other sections of the initial brainstorm by July 8th.

Signatory Voting Members: Please email the coordination team by COB July 15th with this information.

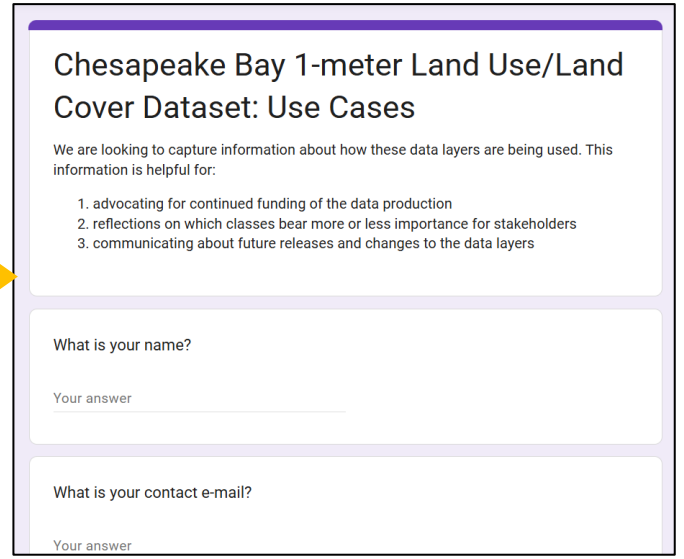


Baseline & Current Condition

What do things look like right now?

Baseline & Current Condition

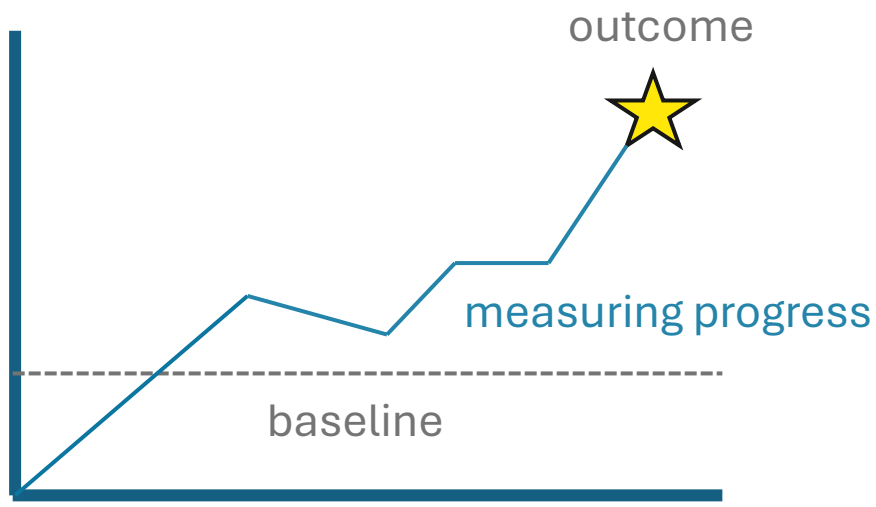
1-meter high-resolution land use/land cover data



Current use-case repository from 2023 (roughly 39 uses) – outdated, needs work

Previous projects related to this outcome:

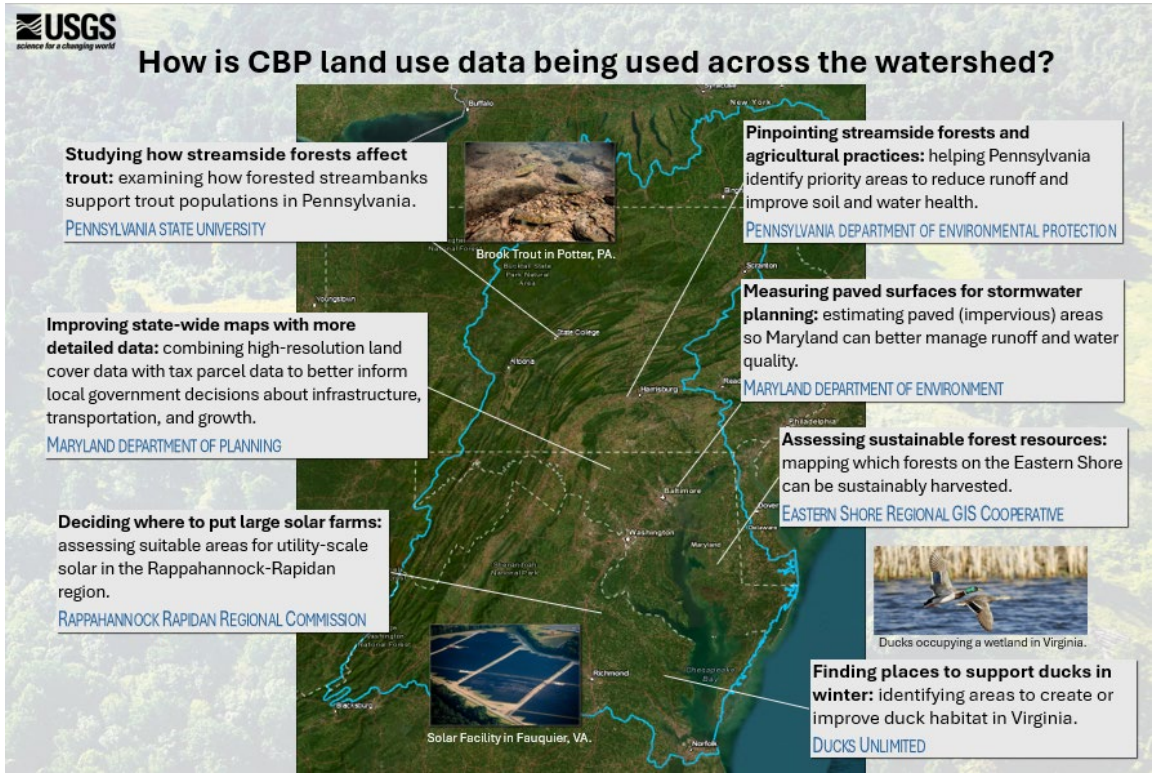
- *Local Government Engagement Strategy* (2019): brief overview of how to engage with local governments. Pages 6-7
- *Community Response to Land Use Change* (p 65): GIT Funding Project

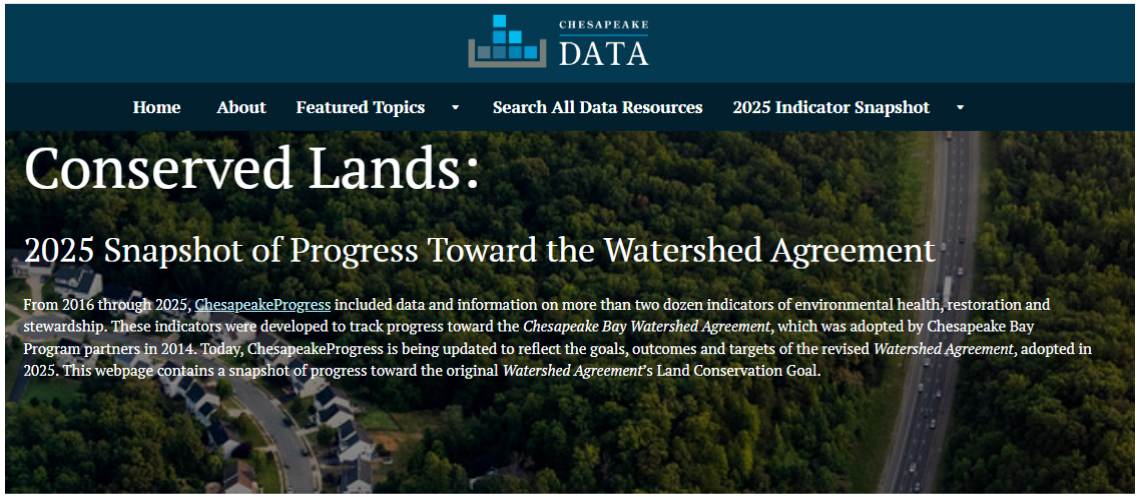


Measuring Progress & Indicators

How might we measure progress towards this outcome?

Monitoring Progress & Indicators





Land Conservation Goal

Land Use Methods and Metrics Development Outcome

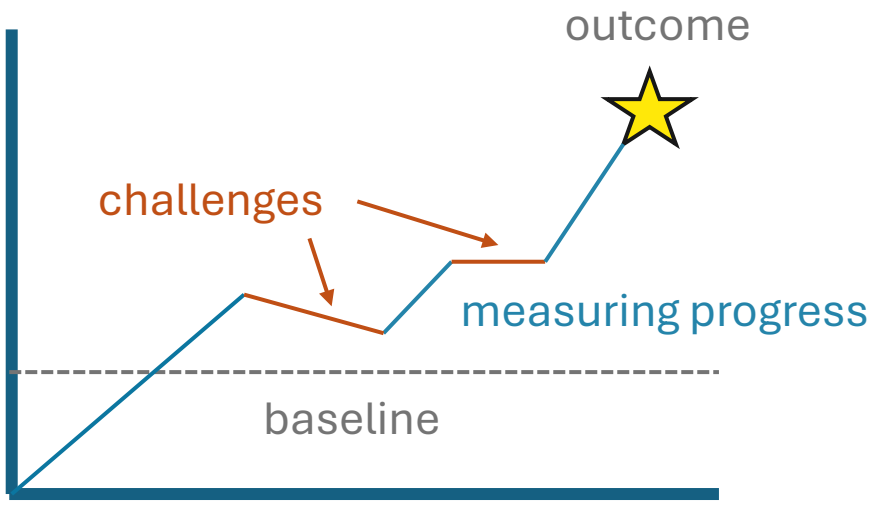
Indicator: Impervious Surface Cover (2021/2022)

Our impervious surface cover indicator reports the extent of the Chesapeake Bay watershed that is covered by impervious surfaces, the change in impervious cover over time and the types of impervious cover that most contributed to these changes. As of 2021/2022, 5.1% of the land area in the Chesapeake Bay watershed (or 3,228 square miles) was covered by impervious surfaces. This marks a 5.3% increase in impervious surface cover since 2013/2014. Structures contributed to 24.6% of this net increase; roads contributed to 6.4%; and other impervious surfaces, which include driveways, parking lots and areas of land that are in the interim stages of development, contributed to 65.2%.

Documentation of use cases:

Web viewer? Story map?

Impervious surface change indicator: agricultural, wetland, and forest conversion rates



Situation Analysis

What are the current (and future) challenges in meeting this outcome?

Situation Analysis: Within our ability to influence

POLITICAL

- Identifying and addressing local priorities effectively

SCIENTIFIC

- Adapting to rapidly evolving technologies to monitor the landscape

FINANCIAL

- Support to monitor the landscape over time
- Support to create tools and resources based on updated data

SOCIAL

- Communication with local government leaders (LGAC, LLWG, etc.) and trusted sources
- Building trust and recognition among the LUWG
- Strengthening our approach to collecting use cases and sharing information
- New technologies = new communication challenges

Situation Analysis: Outside our ability to influence

SCIENTIFIC

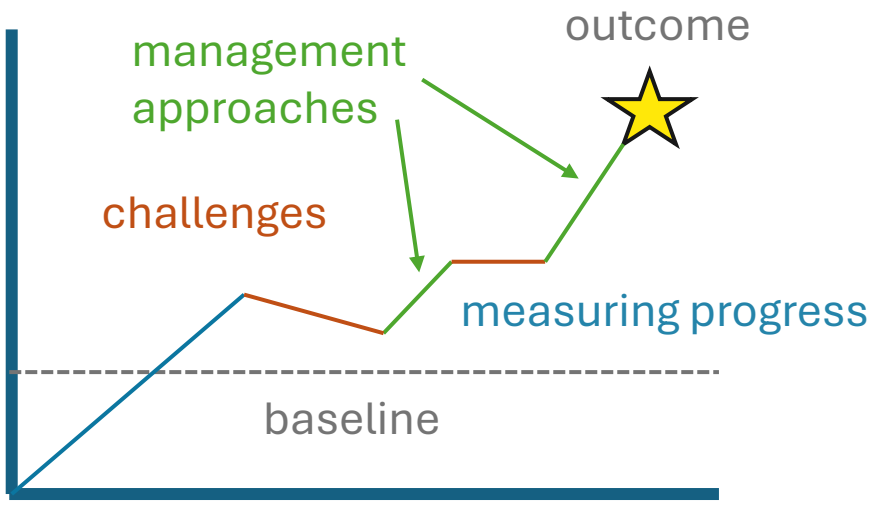
- Changing technology to monitoring the landscape

SOCIAL/ENVIRONMENTAL

- Population growth
- Vulnerability of high-value watersheds/habitats to development

POLITICAL

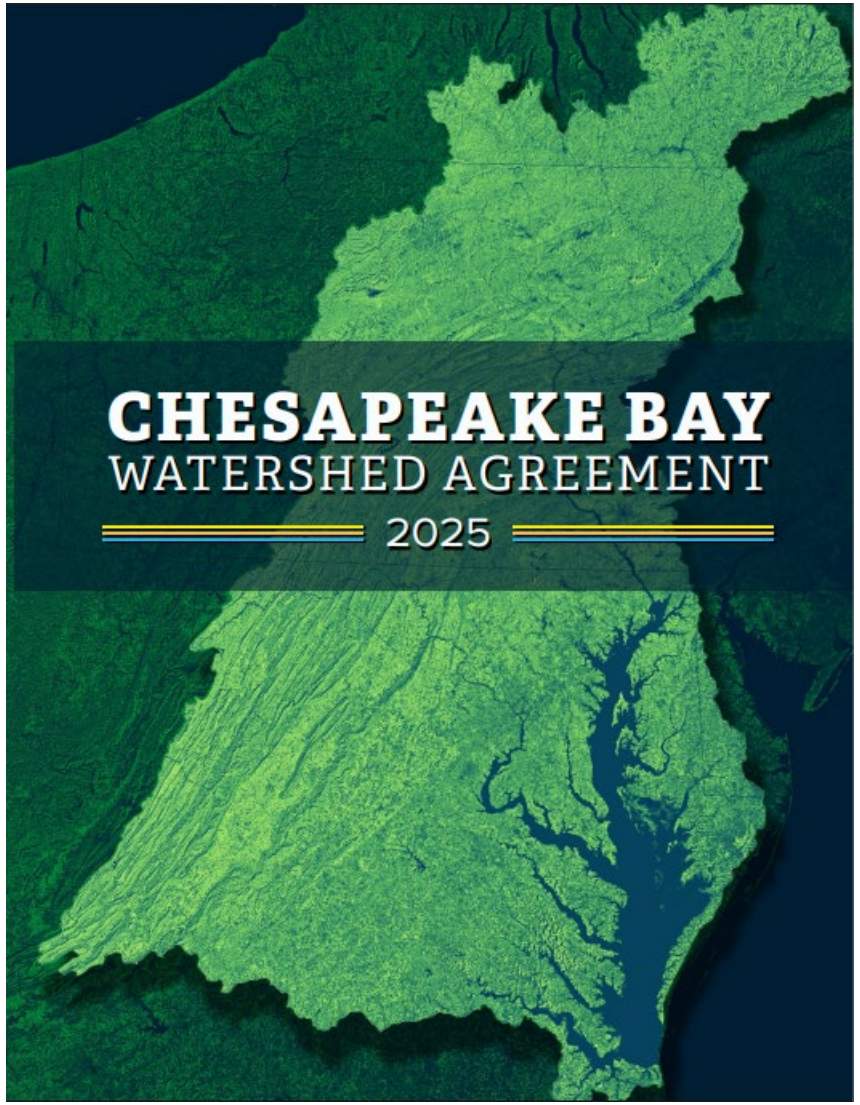
- Growth pressure can impact political decisions for where and whether growth should be concentrated
- Legislative authority to shape growth patterns, for example, through conservation zoning, might be difficult to obtain
- Dynamic permitting landscape



Management Approaches

How might we address the challenges identified in “Situation Analysis”?

Send us your ideas!



Thank you!

Any additional feedback on the Management Strategy Brainstorm?

Please contact us at:

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Chesapeake Bay Program
Science. Restoration. Partnership.

Acronyms

- CBP: Chesapeake Bay Program (partnership)
- CBPO: Chesapeake Bay Program Office
- COB: Close of Business
- GIT: Goal Implementation Team
- LGAC: Local Government Advisory Committee
- LGLWG: Local Government Leadership Workgroup
- LUDS: Land Use Decision Support [Outcome]
- LULC: Land Use/Land Cover
- LUWG: Land Use Workgroup
- USGS: United States Geological Survey