




Chesapeake Bay Program
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Remote Sensing-based Tracking, Reporting, and Verification of Stormwater BMPs

Urban Stormwater Workgroup – April 2026




Outline

- Overview of EPA's interest in remote sensing
 - Request for USWG input
 - Developed/natural sector BMP spreadsheet walkthrough
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Bottom Line Up Front

- Remote sensing-based tracking and verification of BMPs has been of interest to EPA for several years
 - Funding became available for EPA to advance agency priorities related to AI and machine learning
 - Limited time to develop a proposal – initial funding is to support RS-based tracking and verification of cover crop and tillage BMPs
 - Overview of work in ag space
 - Requesting input from sector WGs on other BMPs to prioritize if funding becomes available again
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Feedback from USWG

- EPA is asking for input from sector experts on the feasibility of developing remote sensing methods for tracking and verifying developed/natural sector BMPs
 - If the USWG feels there is *no* opportunity here, that is still helpful feedback
 - We are providing you with an initial assessment as a starting point; we welcome revisions and comments!
 - If there are alternative uses for remote sensing that could save partnership resources, please share those ideas
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BMP Spreadsheet Walkthrough



Thank you!

Any questions?

You can contact me at Hughes.Eric@epa.gov



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