BMP Implementation: Engaging Opportunities



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Ag WG Meeting 2/20/2020

Many challenges to implementation



- Identifying implementation opportunities on the landscape
- Identifying and engaging willing landowners
- Funding for technical assistance and landowner outreach
- Funding for actual implementation
- Funding and technical assistance for maintenance

Many challenges to implementation



- Identifying implementation opportunities on the landscape – project in development
- Identifying and engaging willing landowners
- Funding for technical assistance and landowner outreach
- Funding for actual implementation
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Many challenges to implementation



- Identifying implementation opportunities on the landscape
- Identifying and engaging willing landowners
- Funding for technical assistance and landowner outreach
- Funding for actual implementation
- Funding and technical assistance for maintenance
 - project for discussion today

Identifying support for implementation

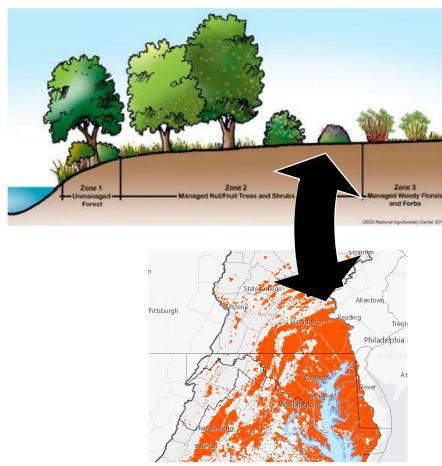


- Have a good handle on traditional partners for implementing water quality or agricultural conservation practices
- What about partners interested in and supportive of co-benefits?
- Goal: Using co-benefits of water quality and agricultural conservation practices, work with CBP GITs to identify interested partners and map opportunities

Identifying support for implementation



BMPs



Geographic locations



Co-benefits





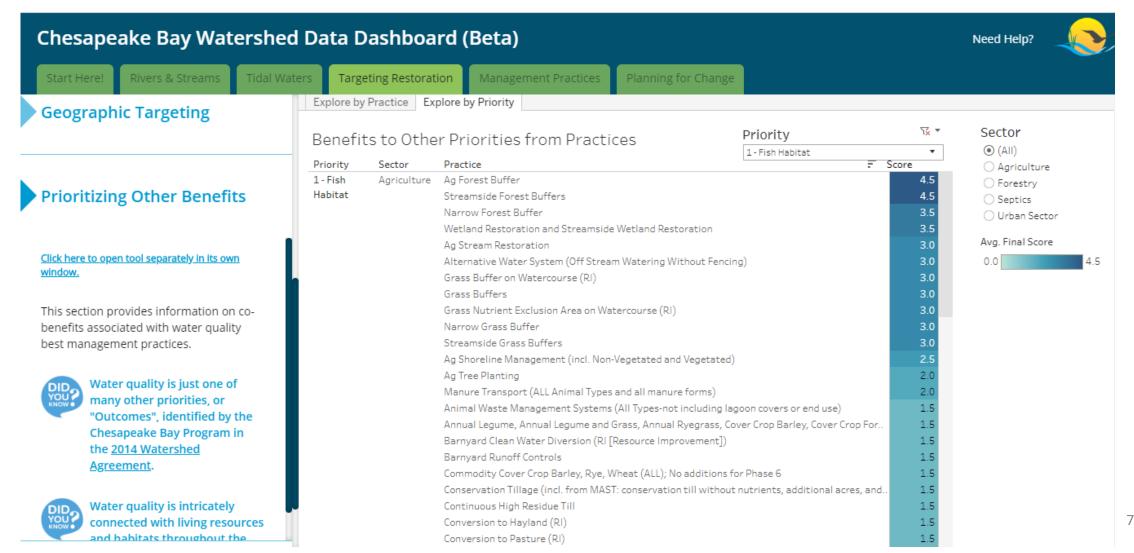




Supporting partners

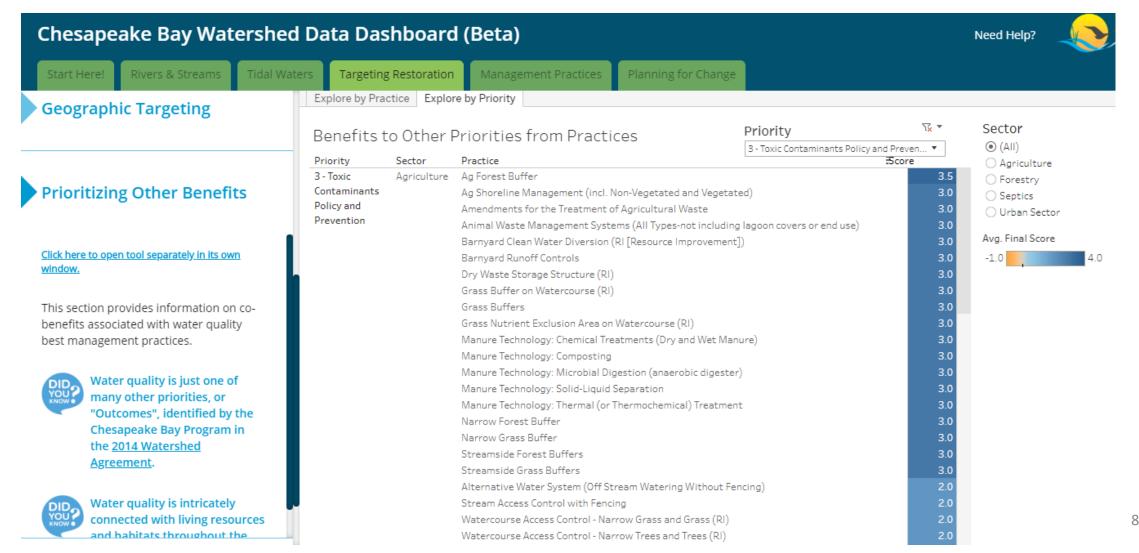


Water Quality BMP Impact Scoring: what other priorities do BMPs address



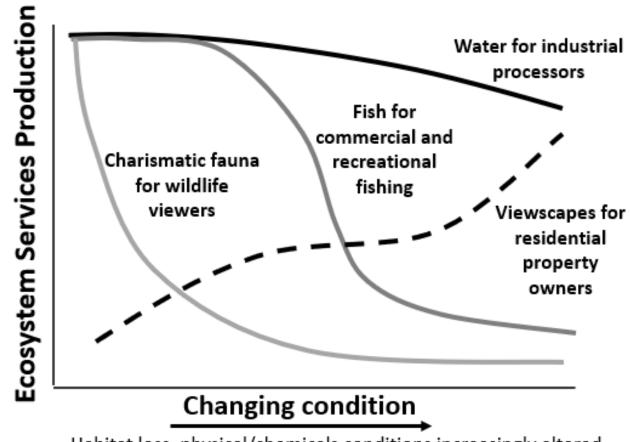


Water Quality BMP Impact Scoring: what other priorities do BMPs address



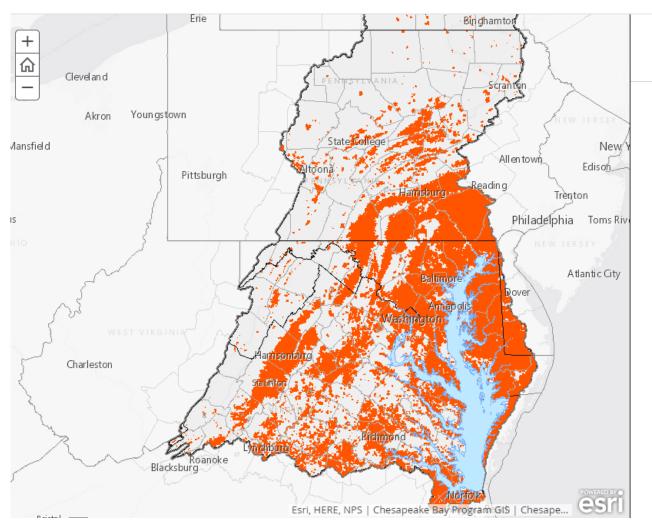


Project with EPA ORD on Ecosystem Services: what ecosystem services are improved or increased by certain BMPs





Mapping of Cross-GIT Co-Benefits: where CBP priorities overlap



Chesapeake Bay Program



Cross-GIT Mapping Project

Restoration/Water Quality -SPARROW Delivered Nitrogen Yields (GIT 3)

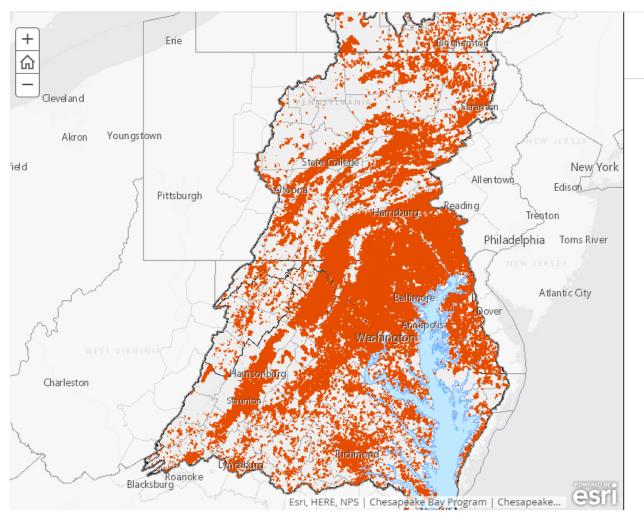
This dataset contains mean-annual delivered nitrogen (TP) fluxes predicted by the SPARROW models, CBTN_v4 and CBTP_v4, for individual stream and shoreline reaches in the Chesapeake watershed as defined by NHDPlus, a 1:100,000 scale representation of stream hydrography built upon the National Hydrography Dataset (NHD) (Horizon Systems, 2010; Simley and Carswell, 2010).

Areas shown represent the top 25% of all Chesapeake Bay NHD catchments for Nitrogen yields.

Restoration/Water Quality -SPARROW Delivered Phosphorus Yields (GIT 3)



Mapping of Cross-GIT Co-Benefits: where CBP priorities overlap



Chesapeake Bay Program



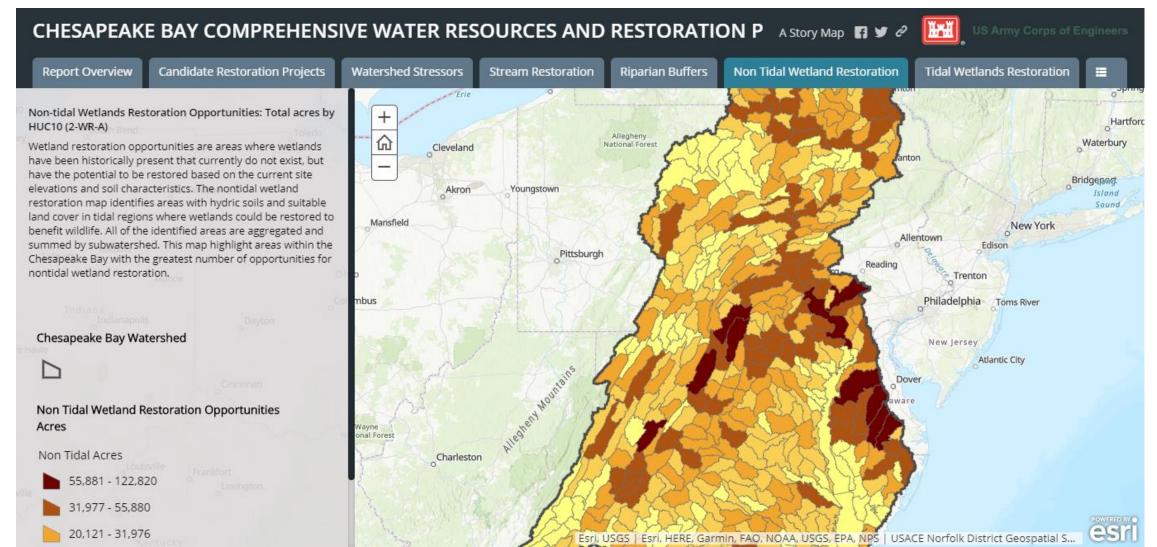
Cross-GIT Mapping Project

Restoration/Sustainable
Fisheries - National Fish Habitat
Assessment - High Risk of
Habitat Degradation (GIT 1)

The National Fish Habitat Partnership compiled freshwater datasets available at the national scale to develop habitat vulnerability scores across the United States. Datasets included anthropogenic disturbances and accounted for natural variation at different spatial scales. Chesapeake Bay watershed scores depict the current risk of habitat degradation and do not represent regional or local data sets for specific watersheds or geographies. The most limiting disturbances for Chesapeake Bay habitats were found to be agriculture, urbanization, mining and nutrients. The areas shown on this map indicate a high risk of habitat degradation within the watershed.

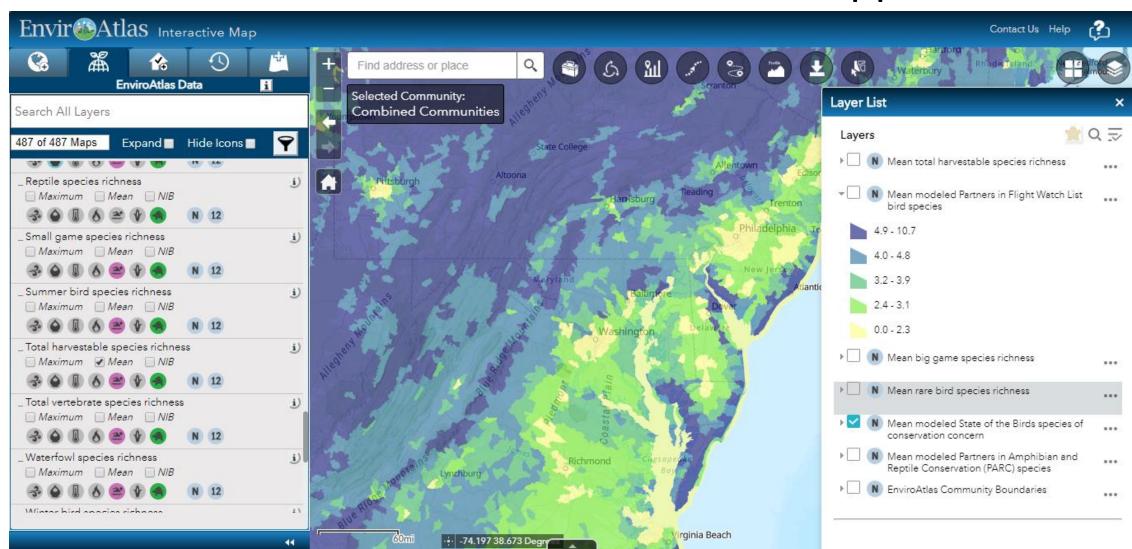


US Army Corps of Engineers CB Comp Plan: where USACE projects can take place





EPA EnviroAtlas: where are co-benefit opportunities



Your input requested!



- Would a project like this be useful?
- Are there certain pieces of feedback you have that would make it most useful?
- What co-benefits do you already know about that should be incorporated?
- Do you already know partners that would be good to include?

Thank you!



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