



HARRY R. HUGHES CENTER FOR
AGRO-ECOLOGY, INC.



Chesapeake Bay Program
Science. Restoration. Partnership.

Activity 1 Team

CWIP Milestone Planning

- **2-year milestone timeframes align with jurisdictional WIP milestones.**
- **First draft 2-year milestones due Jan 2022.**

Programmatic milestones:

- Collaborative milestone development between Activity 1, 2, and 3 teams, jurisdictions, and local stakeholders
- Dredging evaluation
- Market mechanisms/trading

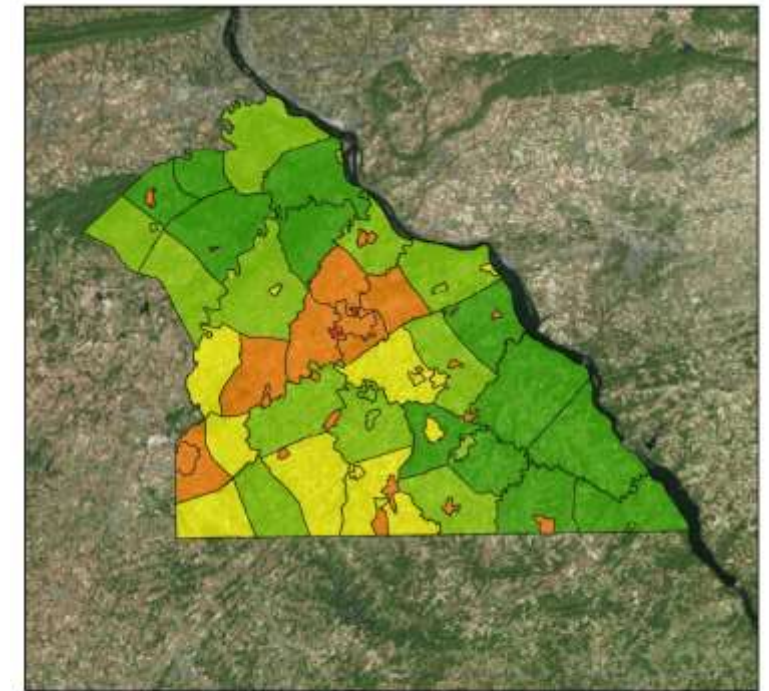
Numeric milestones:

- Initial BMP implementation targets for draft Conowingo WIP were based largely on CAST scenarios
- BMP opportunity mapping will help get more specific
- Implementation is fully dependent on availability of funding via financing strategy.

CWIP BMP Opportunity mapping

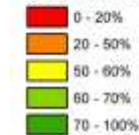
- Project-scale mapping of where a BMP could potentially be implemented based on remotely-sensed landscape conditions.
- Delivery will be in coordination with MD, PA and VA Steering Committee members
- Products:
 - ArcGIS online map
 - Summary reports aggregated by geography
- Milestone planning:
 - Compare with local WIPs & Countywide Action Plans
 - Setting feasible implementation goals

Example of a previous Chesapeake Conservancy project:
Riparian Forest Buffer Restoration Opportunity Area Analysis



York County Municipalities

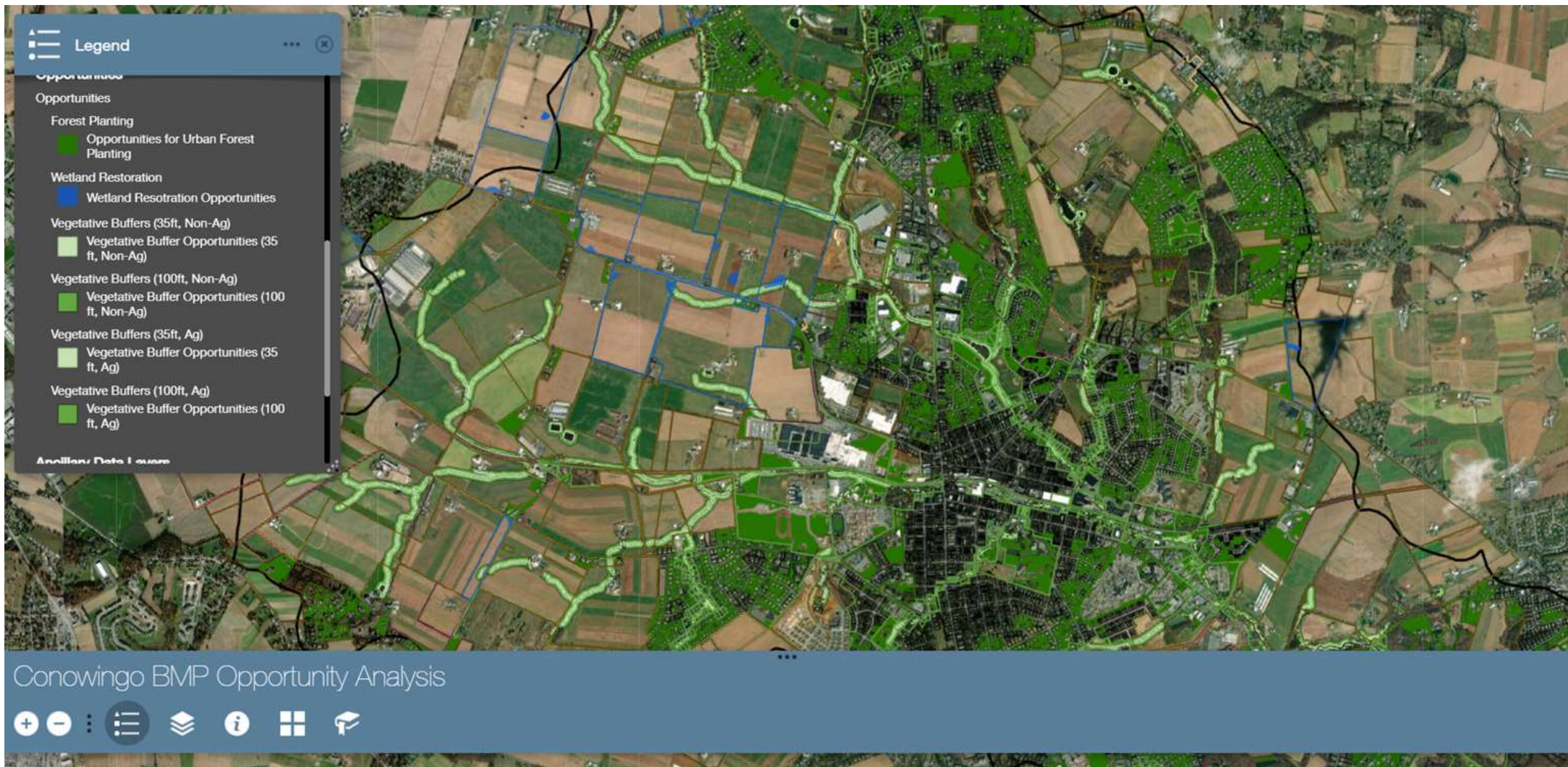
100' Buffer Coverage (%)



Municipality	Restoration opportunity areas (acres)	Percent forest buffer coverage (%)
CHANCEFORD	603	76.12
CODORUS	673	56.68
CROSS ROADS	29	64.77
DELTA	4	67.06
EAST HOPEWELL	278	75.46
FAWN	416	71.44
FAWN GROVE	41	28.63
FELTON	22	43.54
GLEN ROCK	7	50.50

CWIP BMP Opportunity mapping

Practice Name	What we've done to date	What we're exploring
Prescribed Grazing	Utilized the new 2017 1-meter Land Use data to identify areas classed as barren pasture.	---
Vegetative Buffers (Forest and Grass)	Identified all non-forested areas within 35ft and 100ft of stream channels. Further separated those on agricultural lands from other opportunities.	Differentiating ideal opportunities for forest versus grass buffers.
Wetland Restoration	Identified depressions on agricultural lands that met certain conditions for hydric soils, depth, and area.	---
Manure Incorporation	Identified all parcels with a certain threshold for cropland area.	---
Barneyard Runoff Control	Identified all parcels that contain CAFO or other agricultural structures.	Filter among those parcels where structures may be close to streams or barren
Urban Forest Planting	Identified all non-forested areas of turf and low-vegetation at least 1 acre in area that are farther than 30' from non-road impervious surfaces.	Further filtering these areas for areas not suitable for forest planting (such as recreational parks).



Contact Katie Walker (kwalker@chesapeakeconservancy.org) to access this viewer.

Practices Not Covered in the Mapping Exercise

- Nutrient Application Management
- Soil and Water Conservation Plans
- Tillage Management

Are these practices something that should be tackled in the first milestone period, or will it require programmatic changes to better identify opportunities?

CWIP Milestone Planning & key decision points

Proposed Schedule:

- August 2021 CWIP Approval
 - Work with EPA to develop timeline for evaluating/implementation methodology
 - *two weeks after EPA approval of methodology, complete BMP County Opportunity Analysis - assumes NO CHANGE to methodology*
 - NY - one group
 - PA - Tier 3/4 County Groupings (ten groups)
 - MD - one group
- August/September 2021 Webinar to Share Final CWIP
- September 2021 Draft Numeric and Programmatic Milestones to SC
 - Requires comparison of jurisdictional WIPs and CAPs to CWIP
- September/October 2021 Outreach
 - In-person or web-based regional engagement meetings to solicit input on draft two-year milestones
 - Roll out of BMP Opportunity Analysis with support to local stakeholders on the data tools produced to support planning of projects to implement the CWIP
 - Develop and, with guidance from SC, disseminate information regarding CWIP milestones and delivering technical tools
- November 15, 2021 Second/final draft milestones to SC
- December 15, 2021 Final draft milestones to PSC
- January 15, 2022 Final draft milestones to EPA