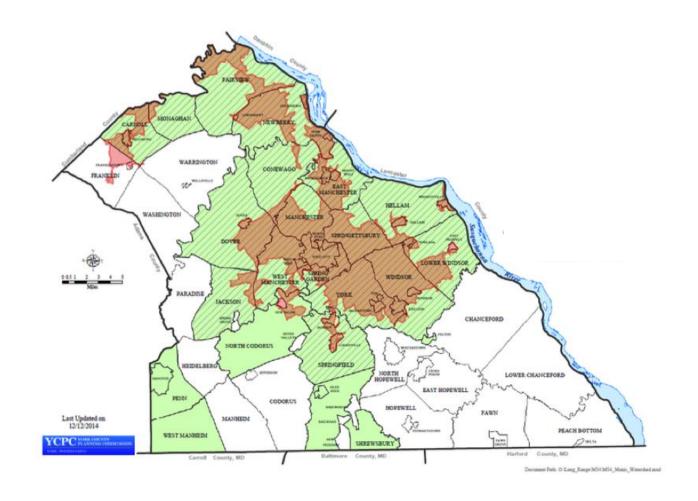


York County Stormwater BMP Tool

Colin Stief
Senior Applications Designer
Chesapeake Conservancy





 Technology for effective and science-based conservation

Data, analysis, tools

Training and support







High-res Data

Land cover

Flow paths



Web Applications

All sectors

Local, state, national

High-res Data: Land cover





Freely available

1-meter resolution

100,000+ square miles



High-res Data: Flow paths





Saving the Chesapeake's Great Rivers and Special Places

Outreach: Data workshops

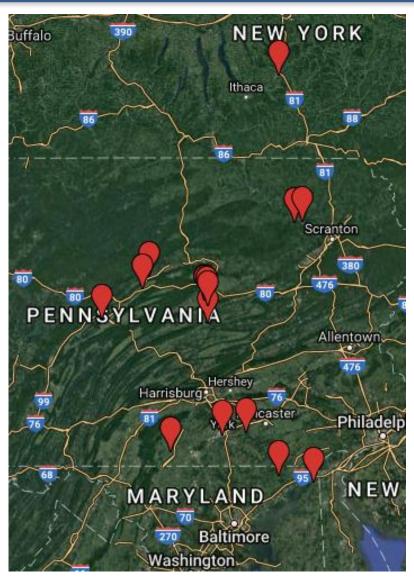












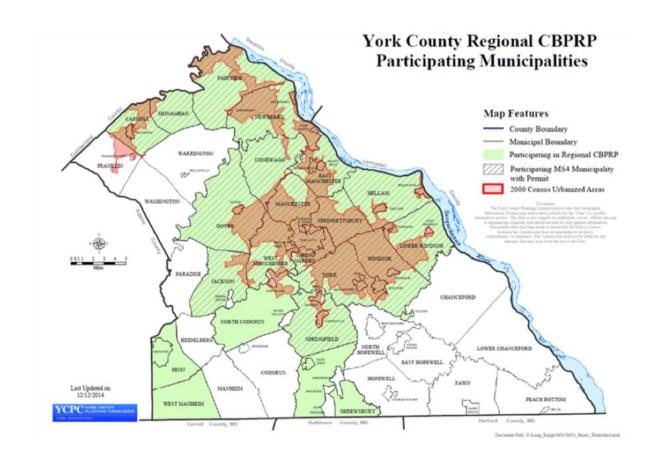
Gettysburg, PA Tunkhannock, PA Darlington, MD Wrightsville, PA Elkton, MD Selinsgrove, PA Annapolis, MD Annapolis, MD Lock Haven, PA Lewisburg, PA Lewisburg, PA State College, PA Lewisburg, PA Tunkhannock, PA Lewisburg, PA Mill Hall, PA Cortland, NY York, PA



Over 40 MS4 regulated municipalities

Inconsistent reduction calculation

Reporting process outdated





York County Web Application



1. Site-level data



2. Reporting system



 Submit basic information about proposal/project



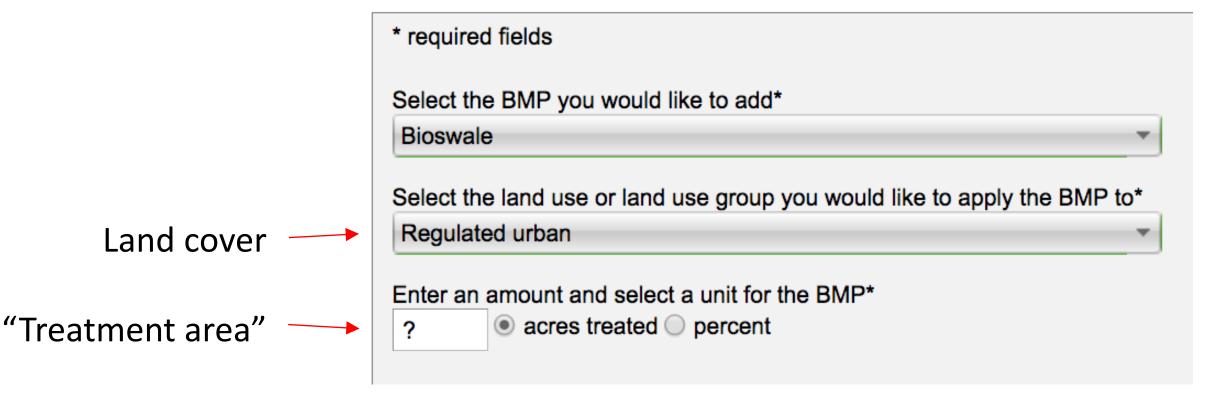
Review and submit proposal/project Calculate pollution reduction estimates





BayFAST reduction calculator

Urban Land BMP Worksheet





3. Draw Project Area



4. Generate Treatment
Area



Adjust Treatment Area (Optional)



6. Calculate Land Use/ Land Cover Values



7. Save Data





3. Draw Project Area



4. Generate Treatment
Area



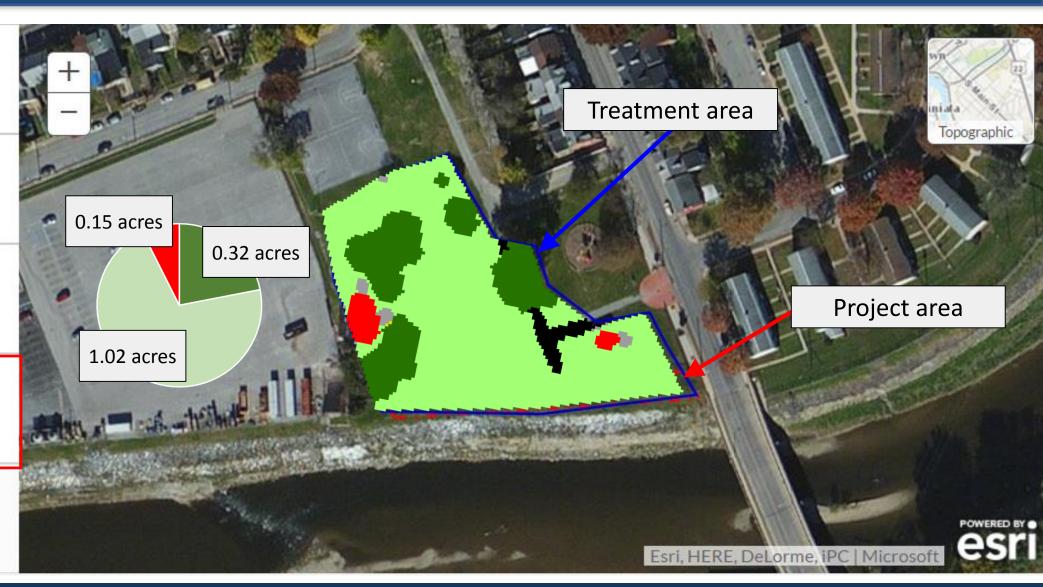
Adjust Treatment Area (Optional)



6. Calculate Land Use/ Land Cover Values



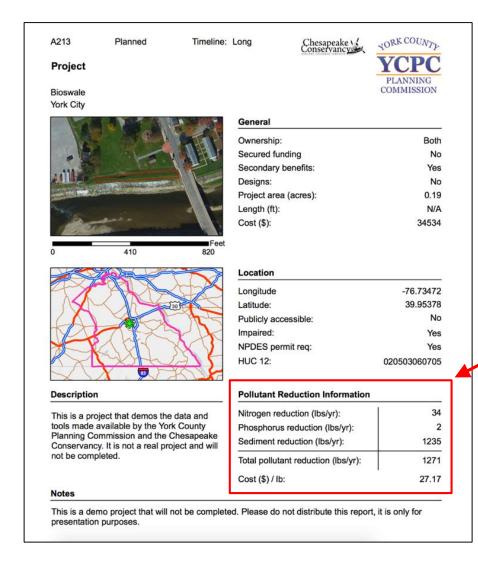
7. Save Data







York County BMP Tool



Estimated reductions and cost per lb



DEMO