Quantifying Small Scale Best Management Practices

Every Practice Counts!

University of Maryland Sea Grant Extension Program

University of Maryland Center for Environmental Science @ Department of Natural Resources

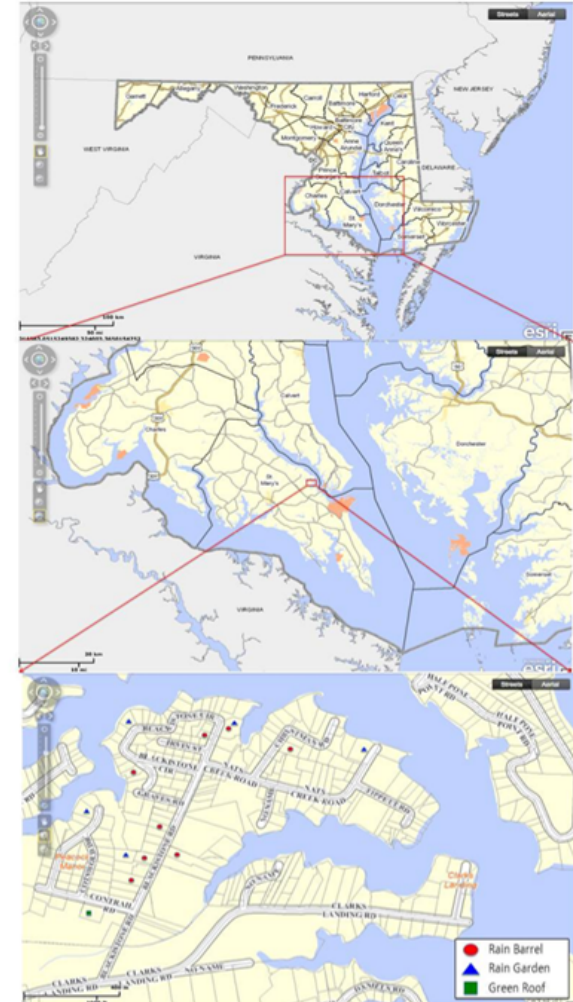UM College Park • UM Eastern Shore

April/May 2013

Going From Here

To Here

Launch Date Spring 2013

UM College Park • UM Eastern Shore

Tool Inputs Overview

Online data entry system and mobile app tool to input stormwater and natural filter BMP information

- Identifiers – who, what, where, photo upload
- BMP Type, size and design factors
- Cost and funding source
- Nutrient and Sediment reduction estimates

Tool Verification & Reporting

- County/town staff and qualified others access to verify BMPs

- Database of non-governmental people qualified to verify BMP practices (i.e. WSA stewards and Master Gardeners)

- Once BMP has been verified, inspector would trigger posting of BMP to online map as a "Verified BMP"

- Output format compatible with MDE NEIEN Tool

Tool Output

- Website and mobile application:

  - A statewide map for all BMPs entered

  - Has pictures of BMPs

  - Provides estimate in pounds of nitrogen, sediment, and phosphorus conserved by BMP

  - Shows whether the practice has been verified and by whom.