The Conservation Innovation Center:
Leveraging GIS to Identify Conservation and Restoration Priorities

MICHAEL NORTON
Geospatial Program Manager
mnorton@chesapeakeconservancy.org

LOUIS KEDDELL
Senior Geospatial Analyst
lkeddell@chesapeakeconservancy.org
Our Mission

Connect
Innovation
Conserve
Restore
“Getting the right practices, in the right places, at the right scale, and making sure they are working”
Precision Conservation

• Effective management requires *goals* and a way to measure *progress*

• Provide geographic information at a finer scale to empower localized decisions

• Each small action contributes to the larger whole
Products to enable partners

Data
- Land Cover/Use
- Stream Maps

Web-based tools
- GIS Data Portals
- Customized Products
Products to enable partners

• Data
  • High-resolution land cover data
  • High-resolution stream channel mapping
  • Conservation opportunity prioritization

• Web-based tools
  • Taking GIS data and making it accessible
  • Restoration Reports: reports for farmers in PA
  • South River Federation: water quality data monitoring
High-resolution Data: Chesapeake Bay Watershed
Previously Available Data
High-resolution data:
Pima County, AZ
High-resolution Data: Chesapeake Bay Watershed
What matters to you?

• GIS is a *tool* to answer *questions*

• There are trade-offs between:
  • The total area mapped
  • The resolution of the final image
  • The number of classes mapped

• We can work around these constraints, but we want to build the product that matters most to you