Conservation Innovation

Leveraging Technology to Identify Conservation and Restoration Priorities

JEFF ALLENBY Director of Conservation Technology jallenby@chesapeakeconservancy.org



Precision Conservation



"Getting the right practices, in the right places, at the right scale, and making sure they are working"

Challenges with Water



Chesapeake Bay Watershed Water QUALITY driven

Colorado River Basin Water QUANTITY driven



Data and Water in the West





Verde River Valley, AZ *High-resolution Evapotranspiration Analysis*





Benefits of Land Cover





Better data leads to:

- More precise quantification of features in the landscape that impact water consumption
- Identifying specific priorities for management
- Increased accountability that programs are having their intended impacts





Measuring Evapotranspiration





Decision Support Tools



- Decreases barriers to using GIS in daily work
- Allows staff to complete complex analysis tasks from the field
- Reduces costs to identify and implement projects
- We are leveraging our data in analysis tools for:
 - Federal Agencies
- NGOs

- State Agencies
- Private
- Local Governments



Empowering Local Partners





Making Data Accessible



RESTORATION REP©RTS

Precision conservation for your property

If you are a landowner in Clinton or Centre Counties, Pennsylvania, this free, confidential tool can help you get information about the restoration opportunities on your property that can improve the ecological conditions you care about.

Using state-of-the art data analysis, Restoration Reports generates a customized report for your property, including the watershed you are a part of, the wildlife species that may live on your property, and whether you are in close proximity to an impaired stream.

You can then select your management priorities, for example, improving the hunting and fishing on your property, or supporting your agricultural land uses.

Get started

restorationreports.com

Partners

Chesapeake Conservancy 2017 | Earthstar Geographics eSr



conservationinnovationcenter.org jallenby@chesapeakeconservancy.org