Watershed Resources Registry

A collaborative tool designed to inform regulatory and environmental planning purposes

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MAWWG-NEBAWWG Joint Meeting
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What is a Watershed Resource Registry (WRR)?

Multi-faceted tool developed primarily to help federal and state agencies improve decision making for environmental resources, particularly those covered by CWA

3 Main Components

- Collaborative Team (Technical Advisory Committee)
- Interactive Online Map with integrated tools
- Original Geospatial Analyses

Current membership

Federal Partners (EPA, USACE, USFWS, FHWA)

State Agencies (DOTs, DEP/DEQs, DNRs)

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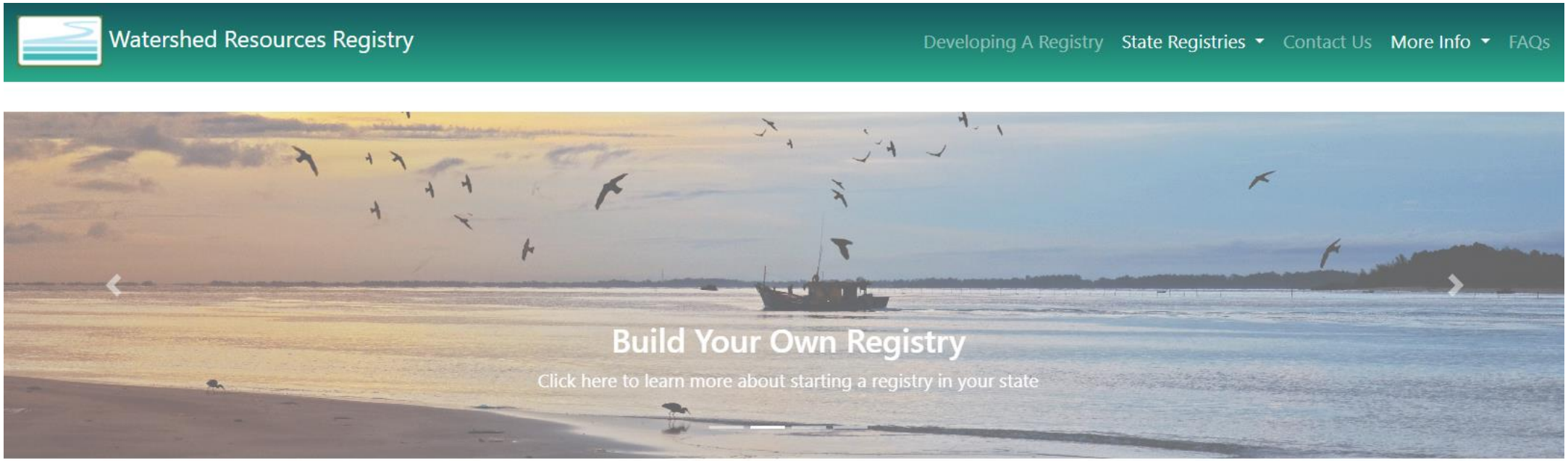
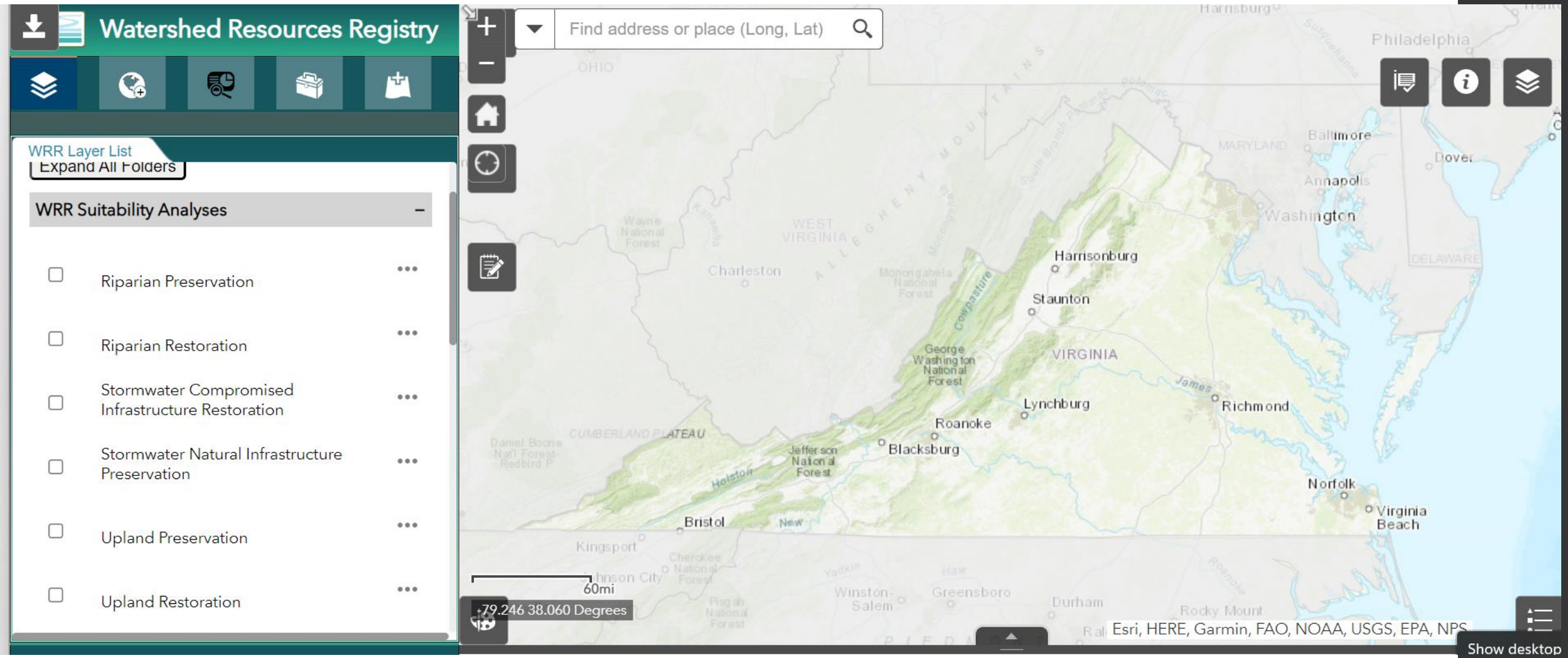
https://watershedresourcesregistry.org/



Welcome

Welcome to the Watershed Resources Registry website! This is an informational site about the WRR Initiative and an access point for state specific WRRs.

The WRR Initiative began with a desire to create a tool for environmental professionals that would allow them to identify potential sites for restoration and/or preservation. One of the central goals for this Initiative was to shift mitigation away from a piecemeal approach and towards a more holistic strategy. The resulting products of the endeavor are a series of Watershed Resource Registries (or WRRs). These are state-specific, preservation and restoration models displayed on an interactive online mapping tool

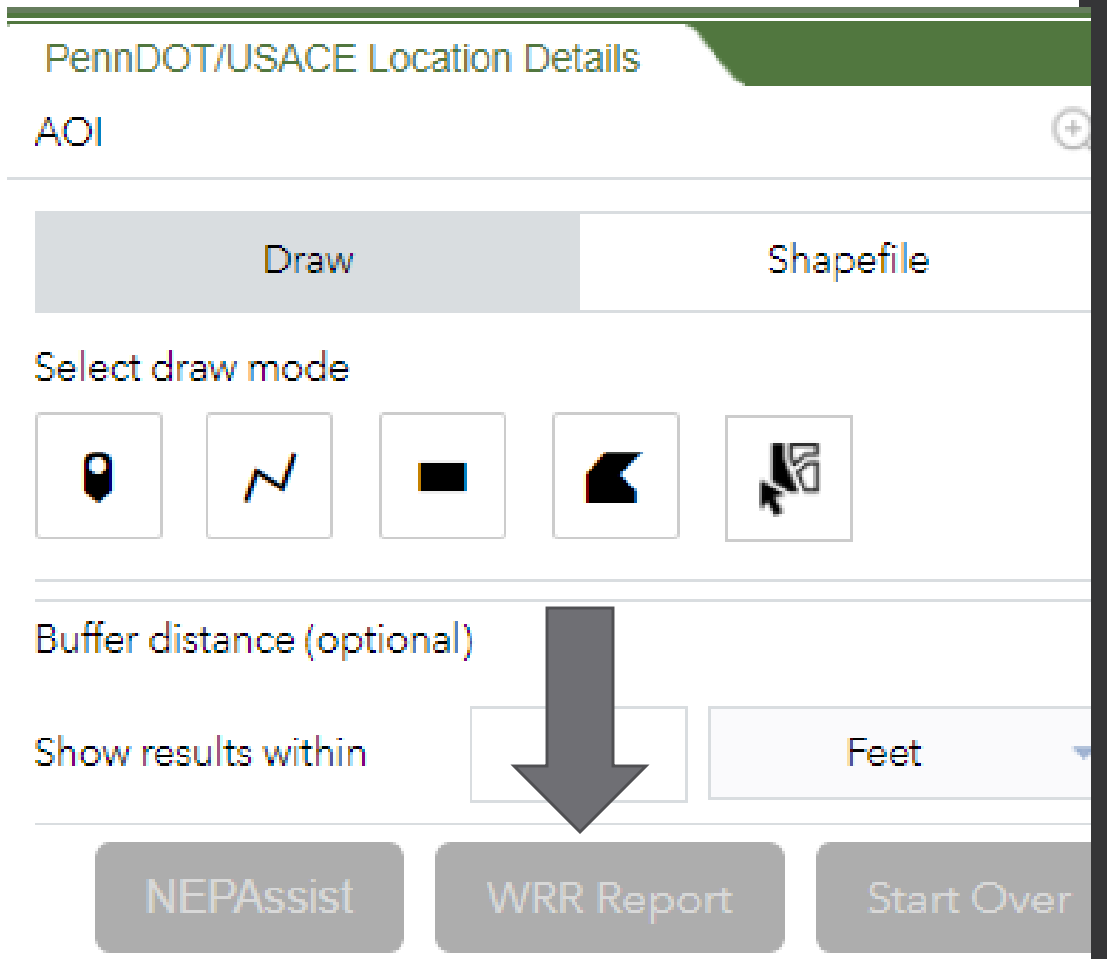

Watershed Resources Registry
WRR Layer List
Expand All Folders
WRR Suitability Analyses
Riparian Preservation
Riparian Restoration
Stormwater Compromised Infrastructure Restoration
Stormwater Natural Infrastructure Preservation
Upland Preservation
Upland Restoration
Find address or place (Long, Lat)
Harrisburg
Philadelphia
OHIO
Baltimore
MARYLAND
Dover
Annapolis
Washington
DELAWARE
WEST VIRGINIA
Charleston
Harrisonburg
Staunton
VIRGINIA
George Washington National Forest
Lynchburg
Richmond
Roanoke
Blacksburg
Jefferson National Forest
Norfolk
Virginia Beach
Bristol
Kingsport
Johnson City
Winston-Salem
Greensboro
Durham
Rocky Mount
60mi
-79.246 38.060 Degrees
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS
Show desktop

Create Custom Location Details Report

Identify what layers to include in report

Identify what attribute information from each layer to pull for report

Able to draw an area on the map and push a button.



Screening Report

Area of Interest (AOI) Information

Area : 121.67 acres

Lat/Long: 38.6288, -75.5261

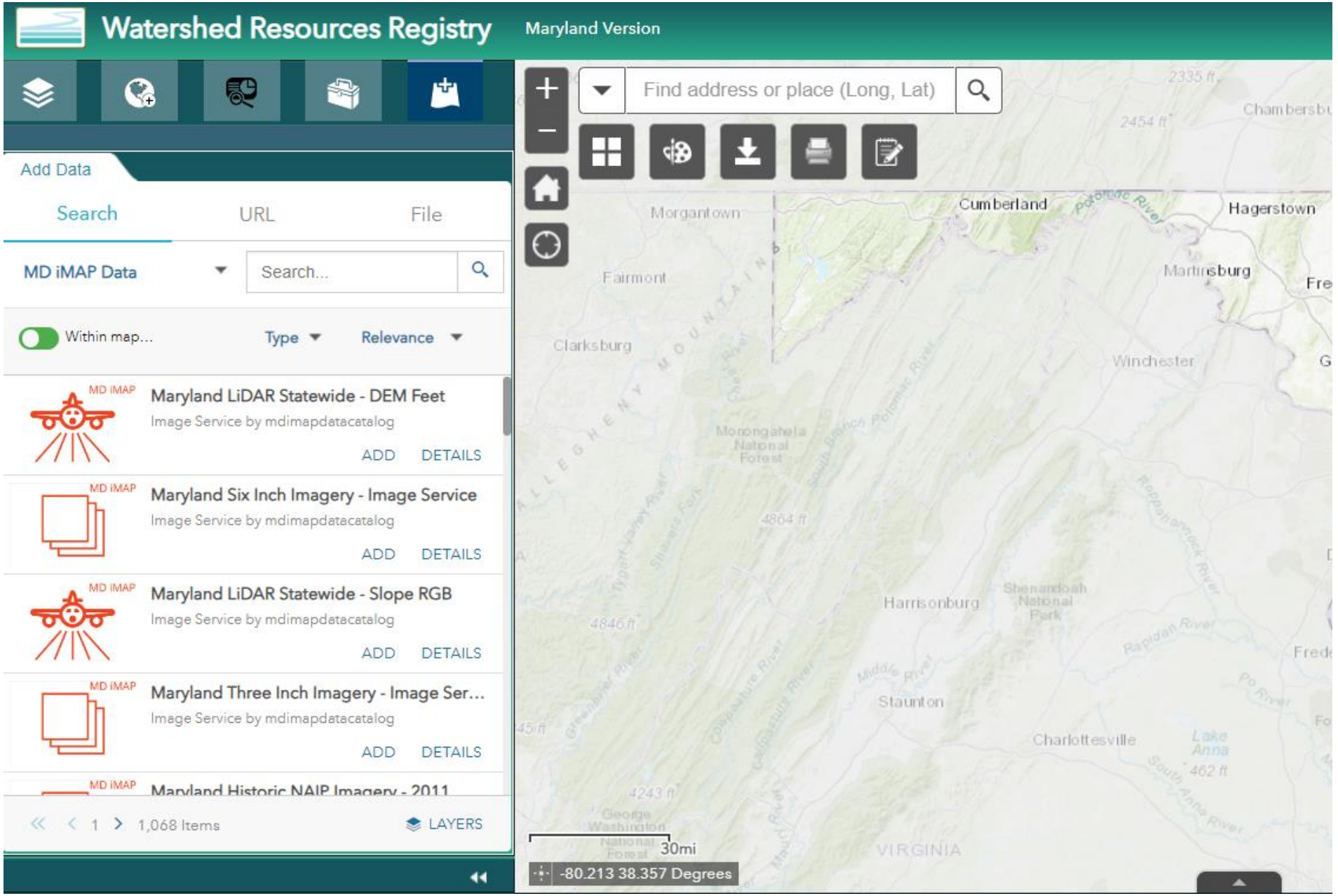
Summary

Name	Count	Clipped Area (acres)	Clipped Length (mi)
Wetland Restoration	10	51.13	N/A
Wetland Preservation	4	22.68	N/A
Upland Restoration	11	48.19	N/A
Upland Preservation	13	88.96	N/A
Riparian Restoration	3	8.21	N/A
Riparian Preservation	5	13.3	N/A
Stormwater Compromised Infrastructure Restoration	0	0	N/A
Stormwater Natural Infrastructure Preservation	4	68.47	N/A
Leaking Tanks	0	N/A	N/A
Certified Brownfield Sites	0	N/A	N/A
SIRB Sites	0	N/A	N/A
Large Spray Irrigation Sites	0	0	N/A
Delaware Wetlands 2007 (NWI)	10	26.52	N/A
Natural Areas	1	75.73	N/A
FEMA Flood Maps	0	0	N/A
Airports	0	N/A	N/A
Delaware Ecological Network	1	73.53	N/A
Flood Risk Adaptation Map	0	0	N/A
Tax Ditch Areas	1	121.67	N/A
Water Flow Lines	1	N/A	0.45
Water Polygons	0	0	N/A
HUC 8	1	121.67	N/A
HUC 12	1	121.67	N/A
Nature Preserves	0	0	N/A
Historic Markers	0	N/A	N/A
303(d) Streams	0	N/A	0
319 Watersheds	1	121.67	N/A
NPDES Outfalls	0	N/A	N/A

Wetland Restoration

#	Score	Clipped Area (acres)
1	3	28.03
2	2	13.04
3	1	9.62
4	4	0.44

Wetland Preservation



Add your own data to include in analyses

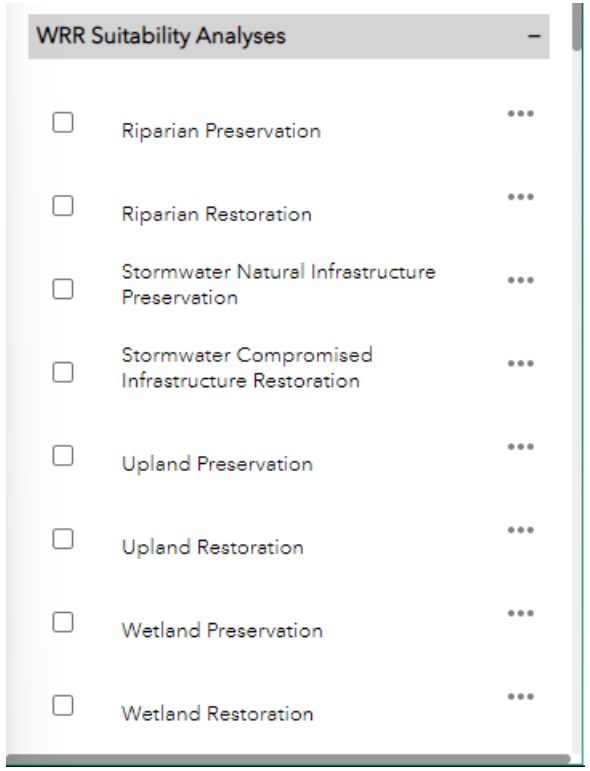
Three Main Components

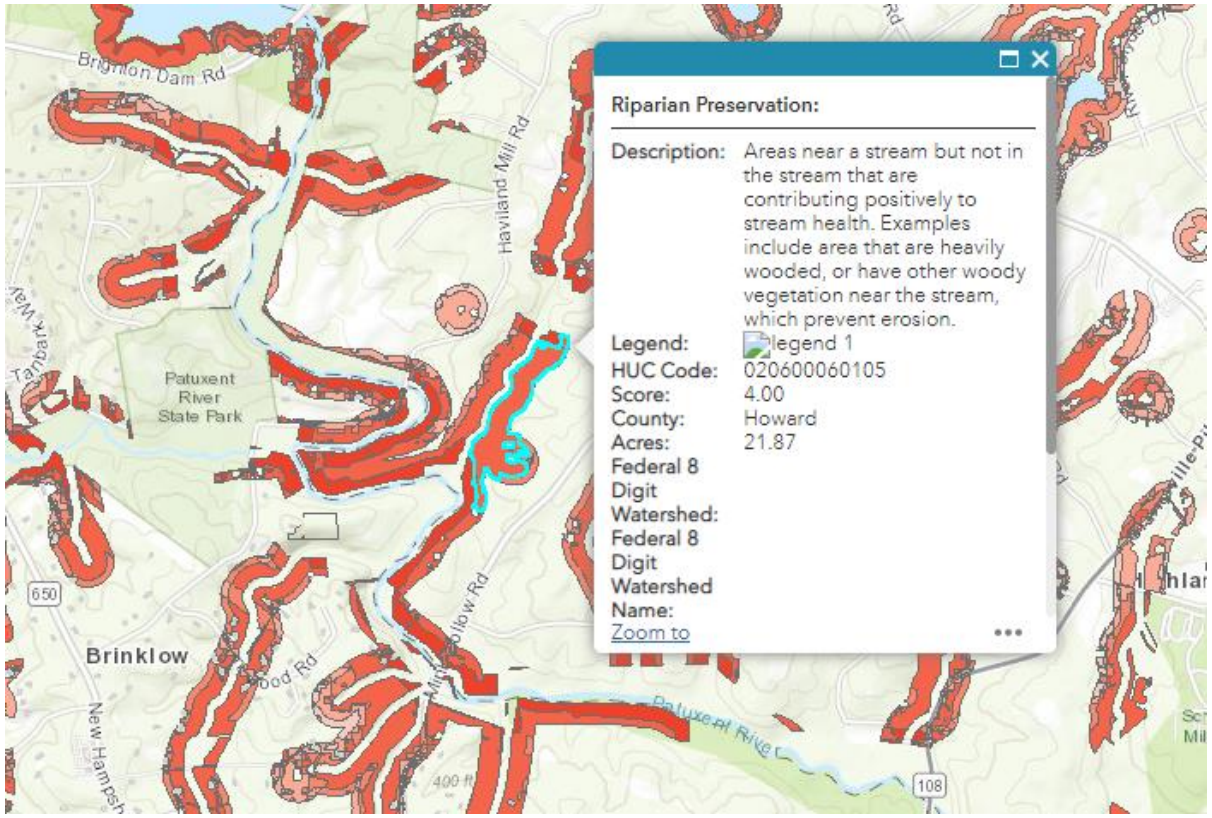
Collaborative Team (Technical Advisory Committee)

Interactive Online Map with integrated tools

Original Geospatial Analyses

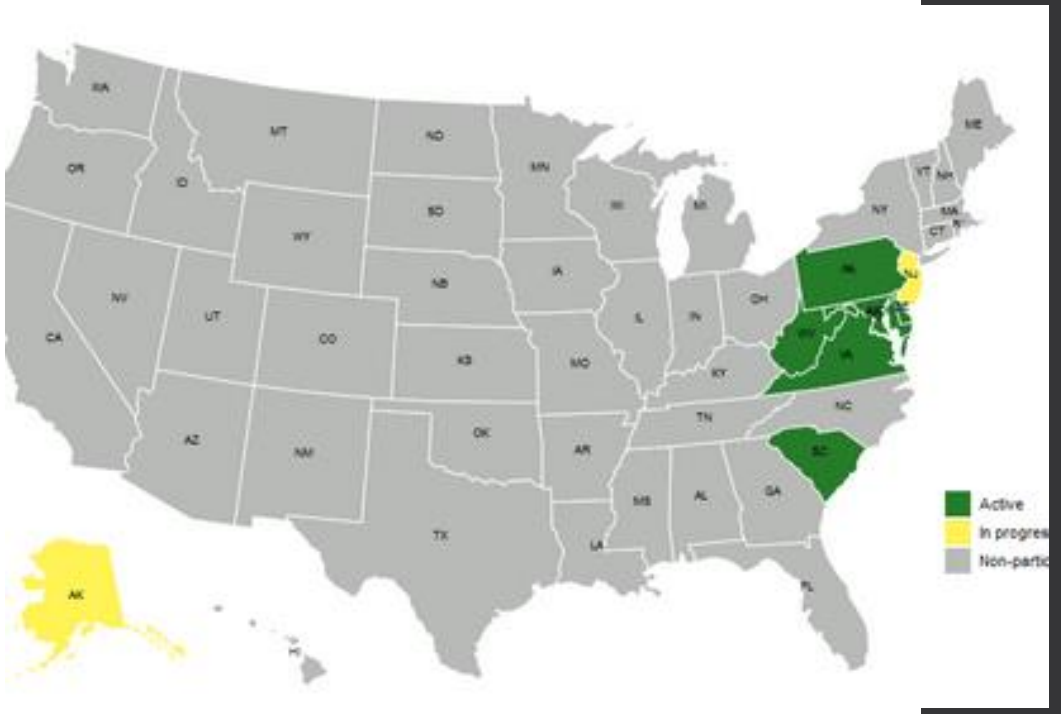
Suitability Analyses





Current Status of WRRs Across Regions

- R3:
  - Delaware, Maryland, Pennsylvania, Virginia and West Virginia
  - DC pending
- R4:
  - South Carolina
- R2:
  - Puerto Rico
  - New Jersey underway
- R10:
  - Alaska has “WRR-lite”
- R3 project designed to be able to be transferred across the country



Brief overview of process to create one in your state

6 Phases

1. Form a TAC team
2. Launch Interactive Map
3. Conduct outreach and training
4. Deliberate on desired geospatial analyses
5. Create statewide analyses
6. Maintenance

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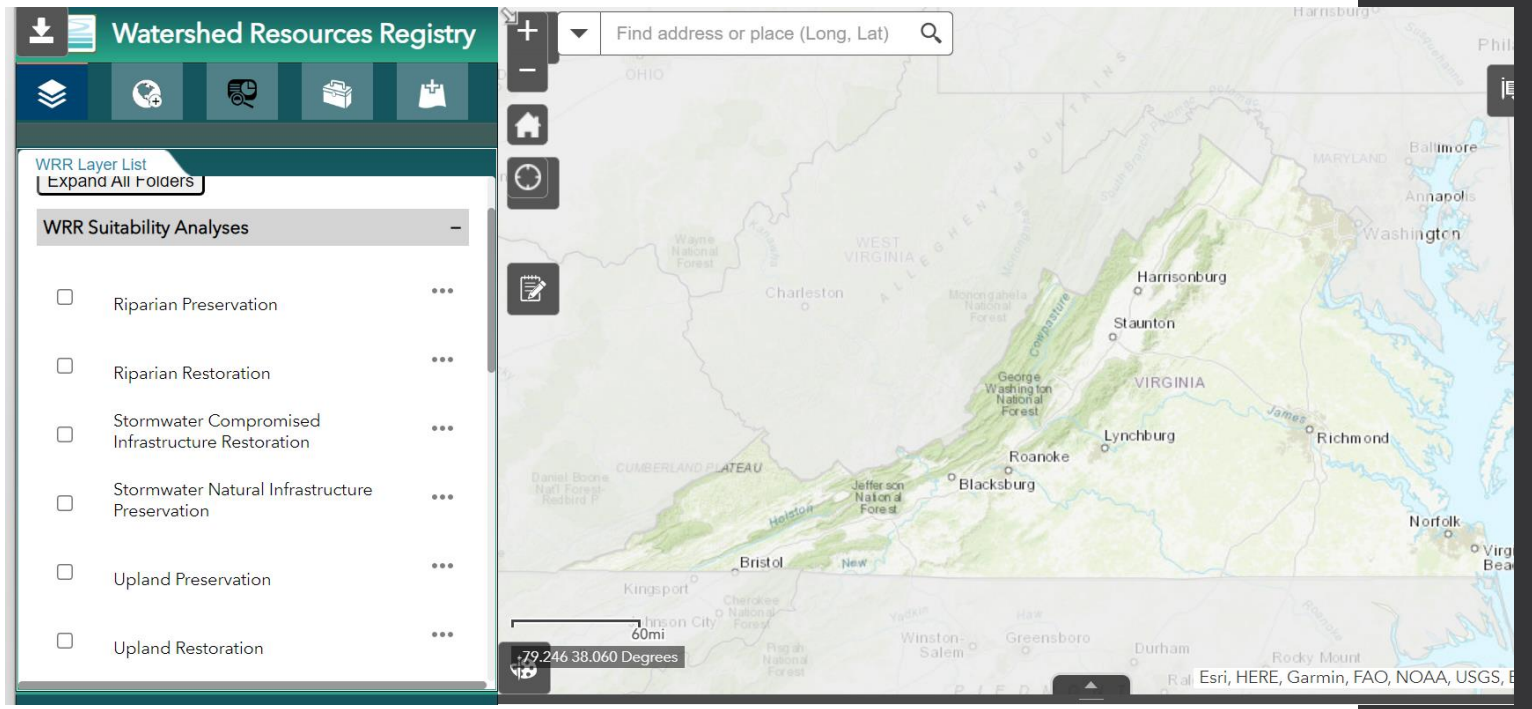

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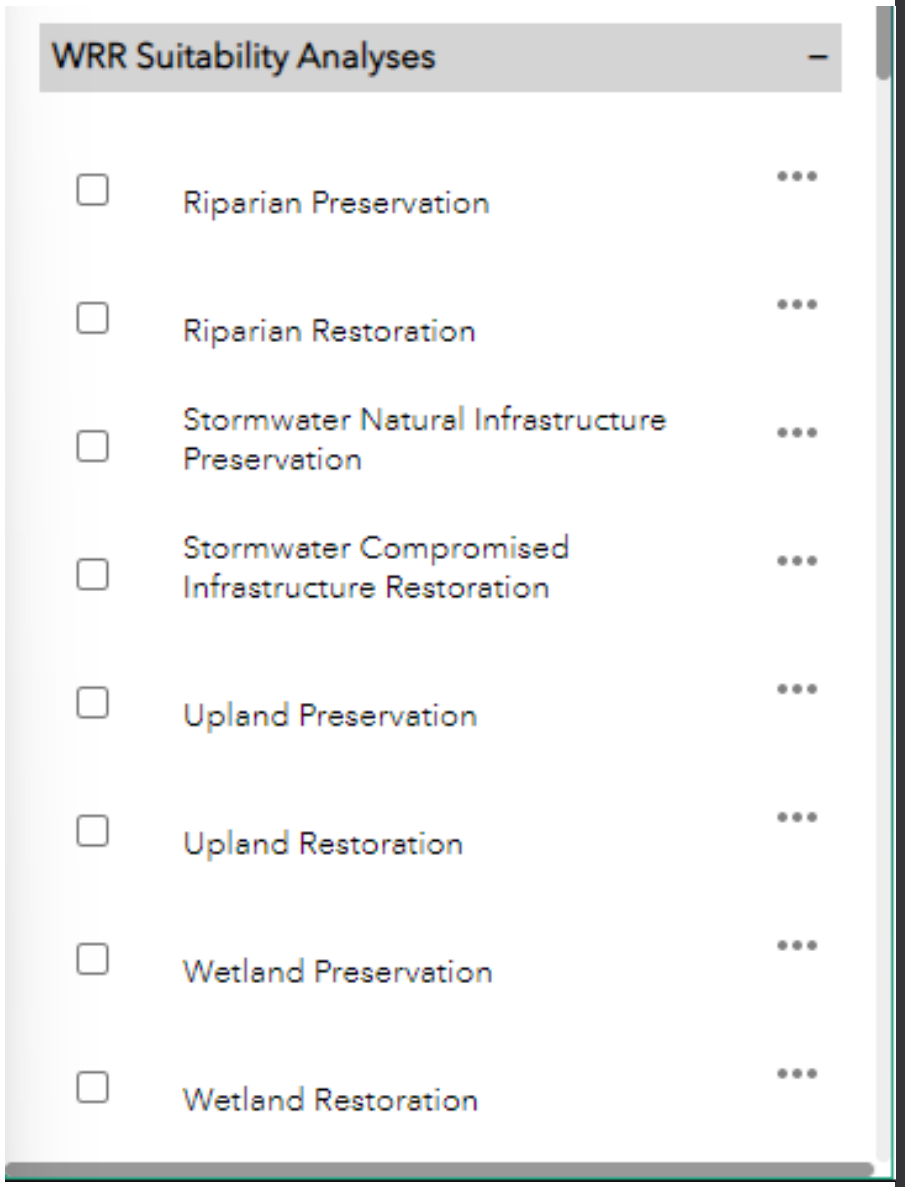

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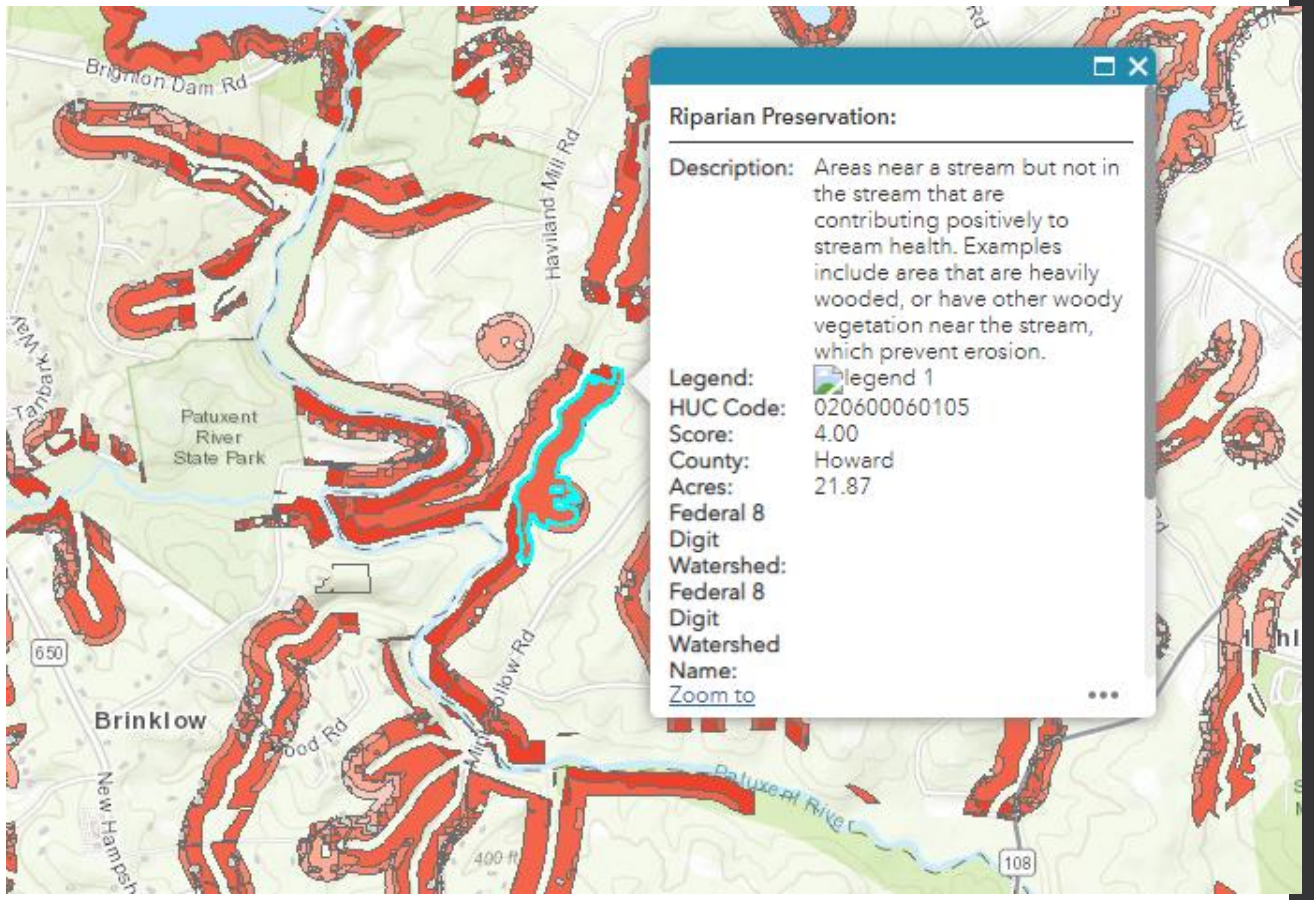

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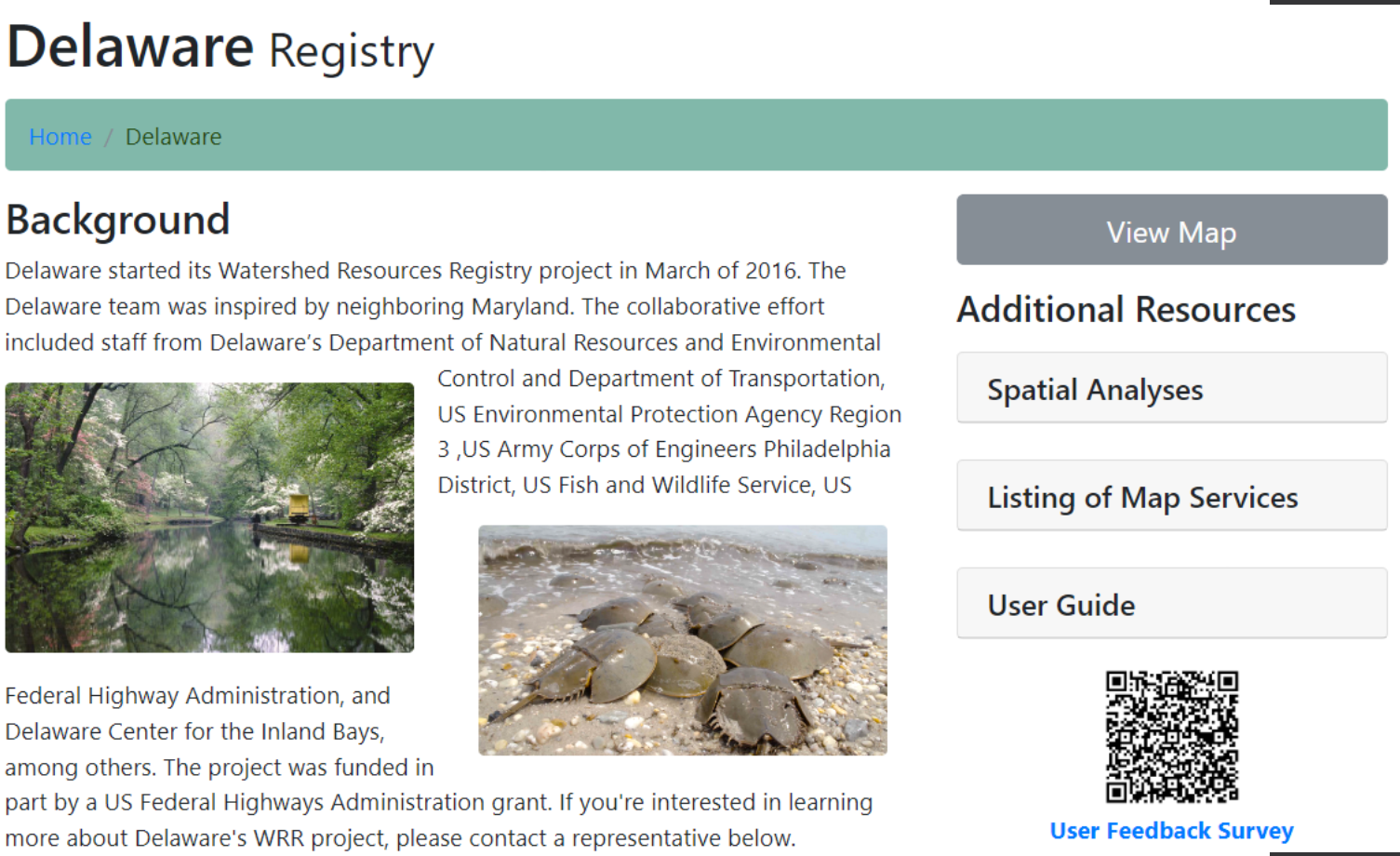

Making the decision to develop a WRR

- R3 happy to work with EPA Regions 1&2 to help support interest in developing new statewide WRRs
- Contacts:
  - Katheryn Barnhart, EPA Region 3, Barnhart.Katheryn@epa.gov
  - Christine Mazzarella, EPA Region 3, Mazzarella.Christine@epa.gov

Questions?