

The Comprehensive Water Quality and Climate Resiliency Portfolio (CWQCRP)

Adaptation and Resiliency Working Group

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Christine Conn

Chesapeake and Coastal Services

Harnessing the Benefits of Nature



The Comprehensive Water Quality and Climate Resiliency Portfolio

A suite of restoration and conservation projects that...

- **Works together** synergistically and avoids one-off projects
- **Optimizes** resiliency benefits and leverages important habitat, water quality and GHG mitigation gains.
- Allows longer budgeting timeframes, beyond a one-year cycle, providing **fiscal certainty**
- Generates **new funding and financing opportunities** with other partners (MDOT, MDE, MEMA, DHCD, Army Corps, USFWS, NOAA, Private Sector. etc)
- Provides opportunity to better **integrate green and grey infrastructure** approaches.

Poised to take advantage of new federal funding initiatives!

Key WIP, GGRA and ARWG Strategy



“Having a pipeline of identified projects better prepares Maryland and its communities to build climate resilience by taking advantage of existing and emerging funding opportunities that promote the use of natural infrastructure”

- Maryland’s Phase III Watershed Implementation Plan



WIP: Maryland’s Phase III Watershed Implementation Plan

GGRA: 2030 Greenhouse Gas Emissions Reduction Act Plan

ARWG: MCCC Adaptation and Resiliency Working Group 2021 Work Plan

Building the Portfolio



- Pathway 1: Shovel Ready Project List
 - Ongoing updates of proposed projects that still require funding via Grants Gateways
- Pathway 2: Targeted Resiliency Areas
 - Focus areas for action based on a landscape-scale, science-based targeted framework
 - Produces nature-based project portfolios that deliver multiple environmental, economic and societal benefits
 - Connects federal, state and local efforts to harness nature for risk reduction
 - Makes the best use of public investments

Pathway 2: The Targeted Resiliency Area (TRA) Portfolio



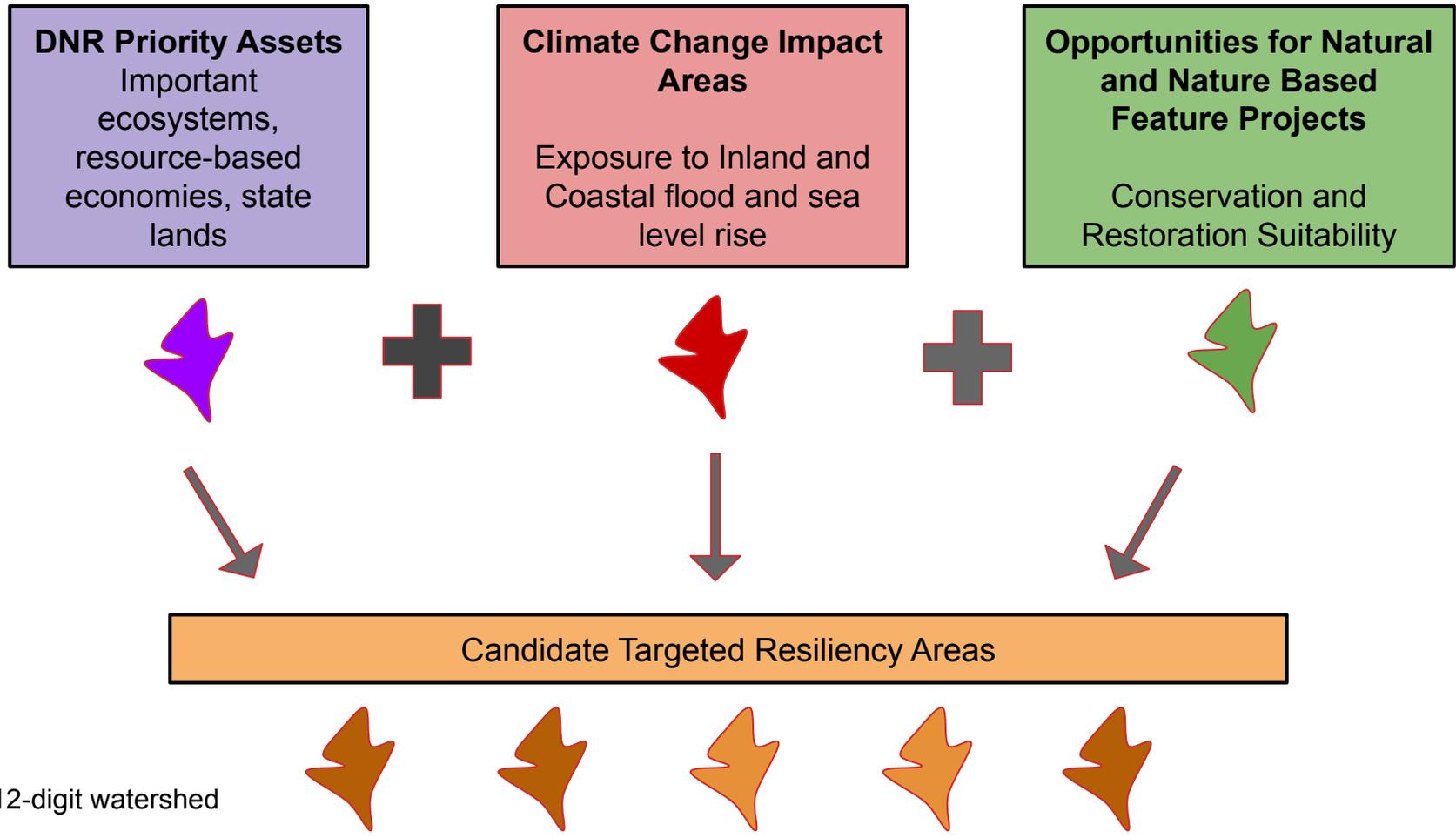
Phase I: Identify and Select Two (2) TRAs

Phase II: Create the Portfolio

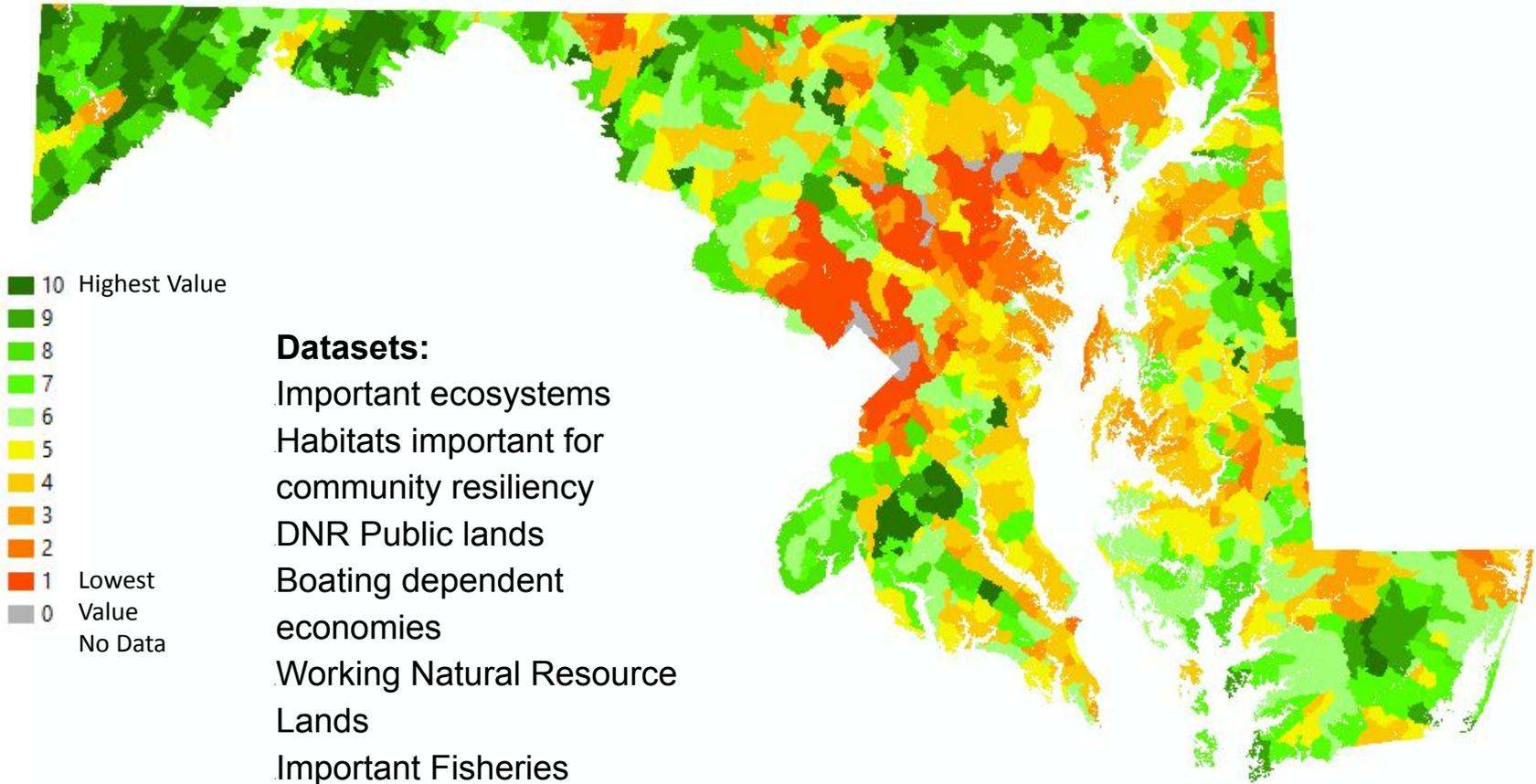
Phase III: Develop long term implementation and financing strategies, including Grants Gateway solicitations

Refresh and Repeat...working with the next round of candidates

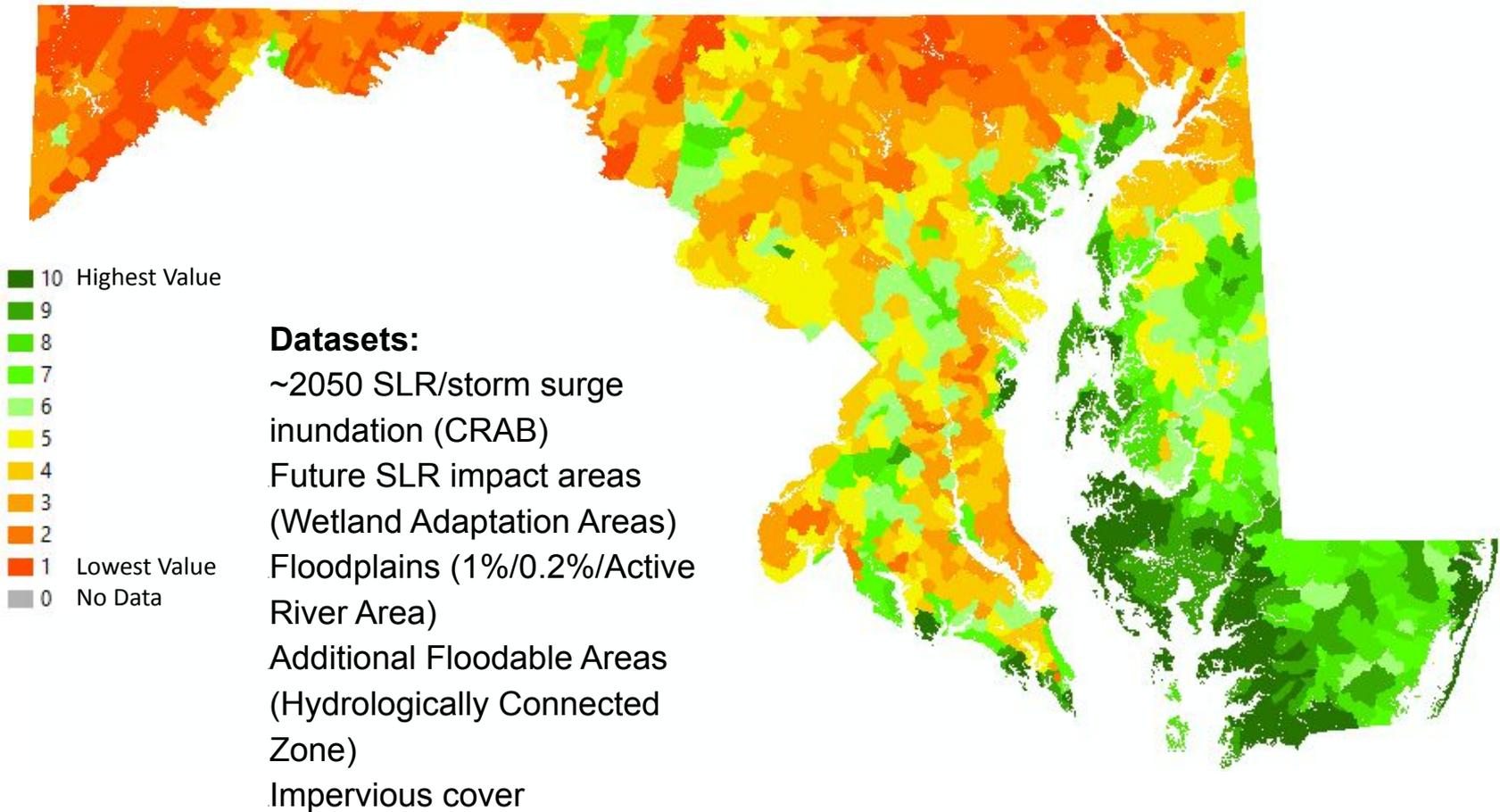
The Science: Three Assessment Pillars



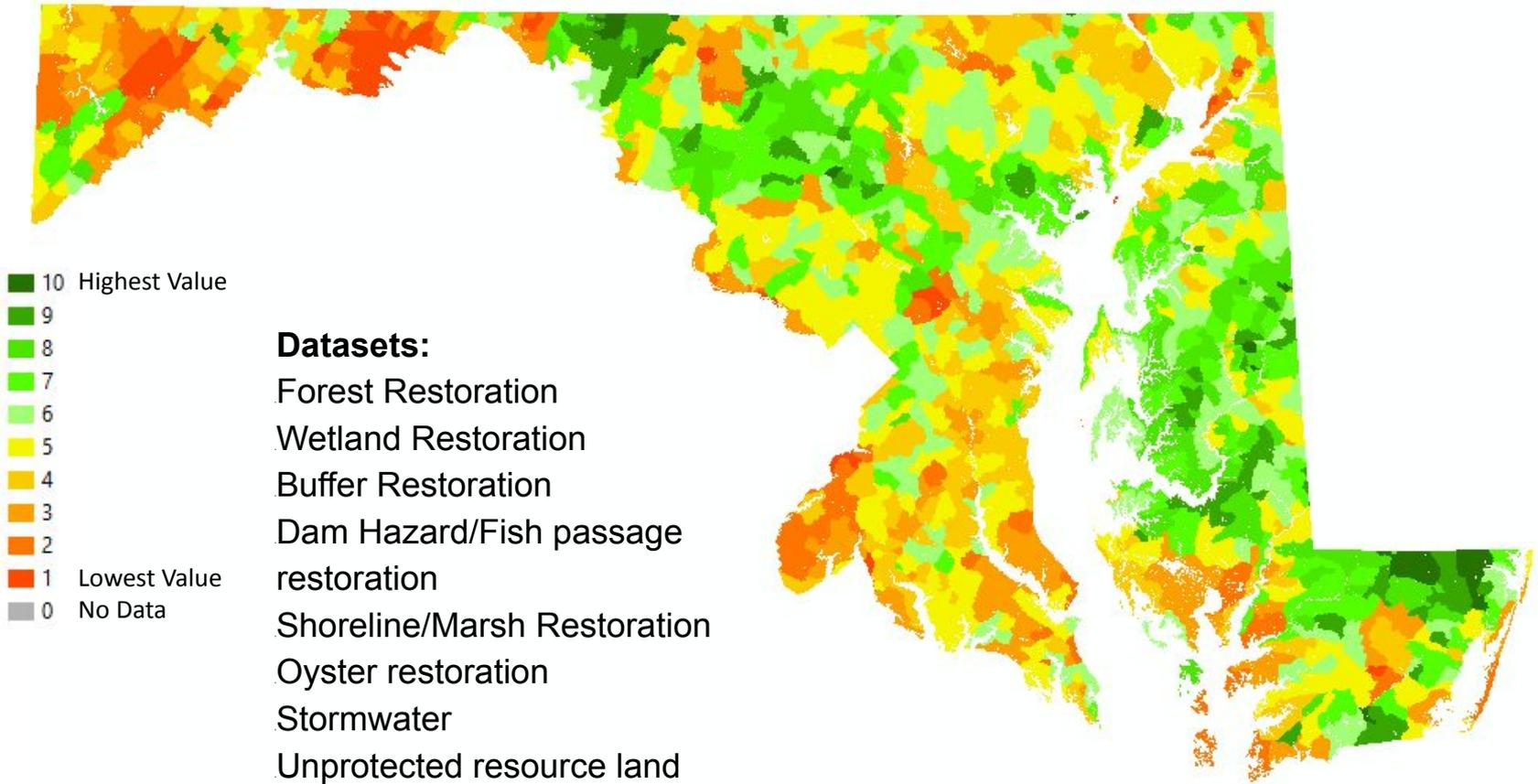
Pillar: DNR Priority Assets



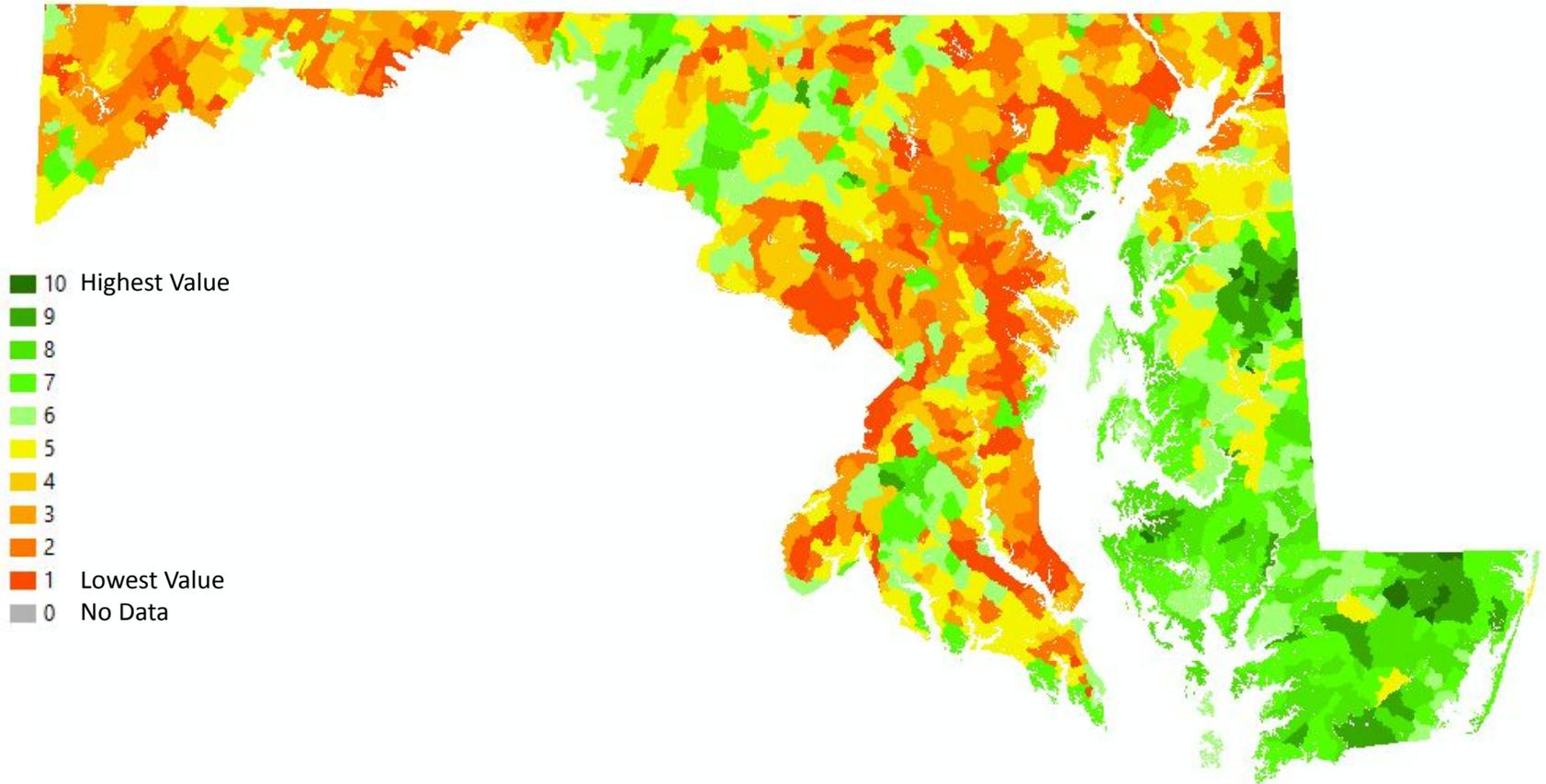
Pillar: Climate Change Impact Areas



Pillar: Opportunities for Restoration and Conservation



Candidate Targeted Resiliency Areas



TRA Selection Criteria



Candidate Targeted Resiliency Areas



Use Additional Selection Criteria
(Input from ARWG survey)



Socially Vulnerable Communities
Water Quality Restoration Priorities (WIP)
Tree Planting Priorities (WIP, GGRA)

Prioritized Targeted Resiliency Areas



***Objective,
Science-Driven
Transparent***

Next Steps



- Identify Priority Targeted Resiliency Areas by mid-Fall
- Procure Technical Services (2 year contract)
 - Reach out to local governments and community groups within priority TRAs to gauge interest
 - Identify/Coordinate with potential interested partners (State/Federal agencies, Non-profits, etc)
 - Collect sources of local data and existing plans
 - Identify potential projects for portfolio
 - Cost/Co-benefits assessment and implementation sequencing
 - Long-term financing and implementation strategies

Restoration Opportunities



Resiliency through Restoration Practices

Coastal

- a. Marsh/dune restoration
- b. Oyster and reef restoration
- c. Beneficial use of dredge material
- d. Navigable channel maintenance
- e. Living shoreline management



Inland

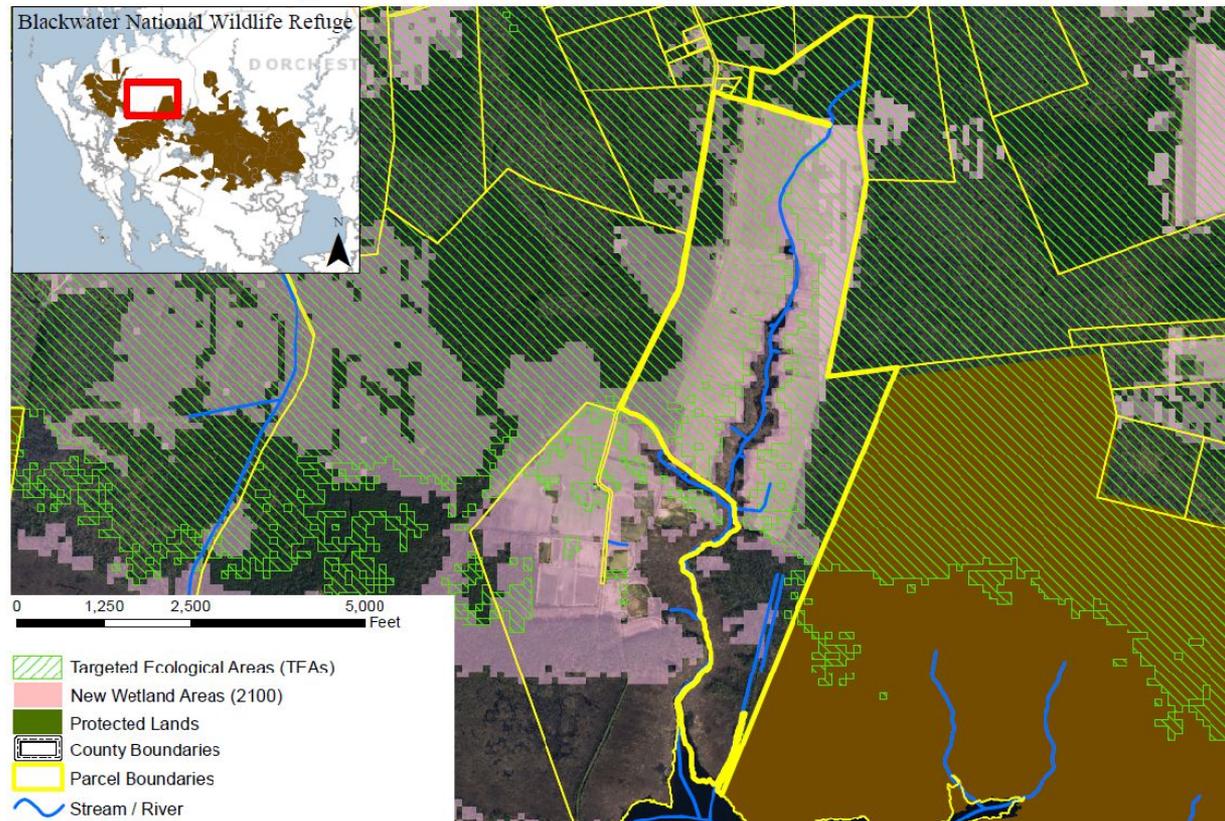
- a. Wetland restoration
- b. Upland forest restoration
- c. Floodplain restoration
- d. Stream restoration
- e. Dam removal
- f. Stormwater management



Conservation Opportunities

Conservation Opportunities for Coastal Resiliency - Site 2

Approximately 190 acres: In a Rural Legacy Area, In a TEA, On Ag Land



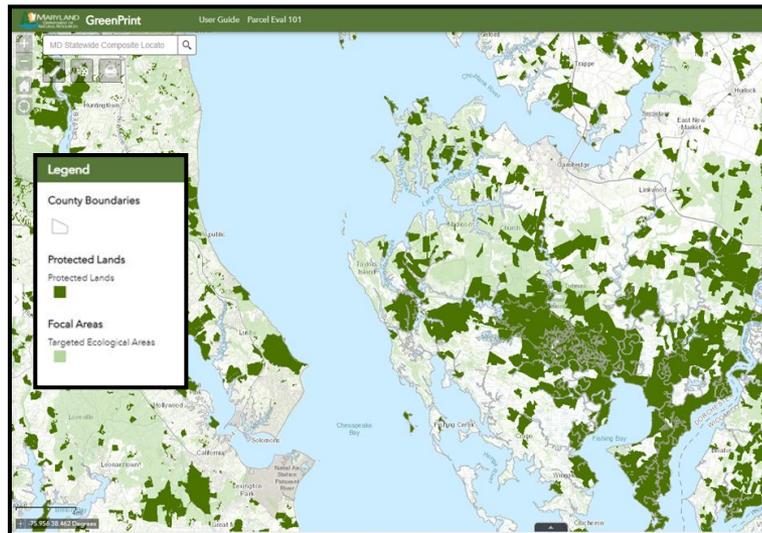
09/23/2019

Strategic Frameworks Attract Investment



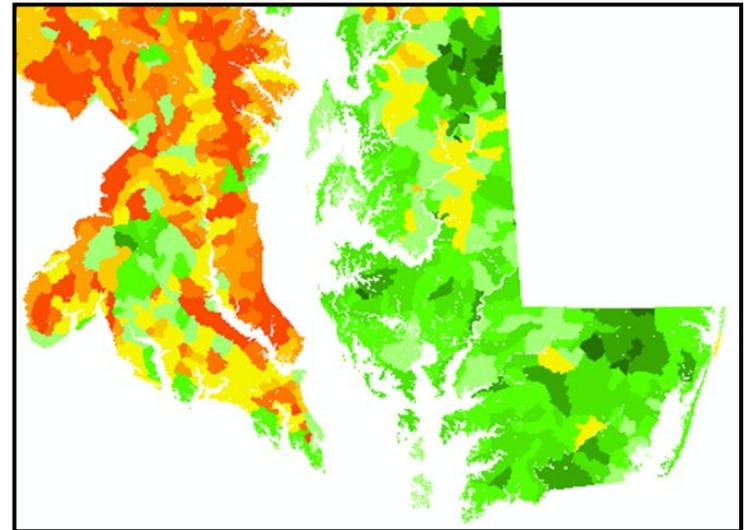
GreenPrint Targeted Ecological Areas

- Conservation Focus



Targeted Resiliency Areas

- Resiliency and Restoration Focus



Federal Funding and Partnership Attractor: Good Investments in Good Planning!