# Delmarva Restoration and Conservation Network

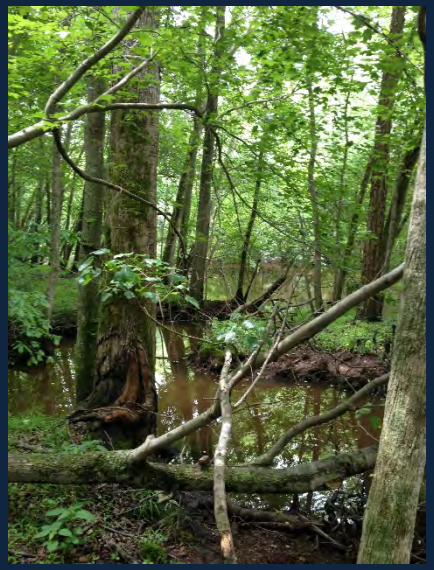
**Habitat GIT Meeting**
**May 5, 2021**

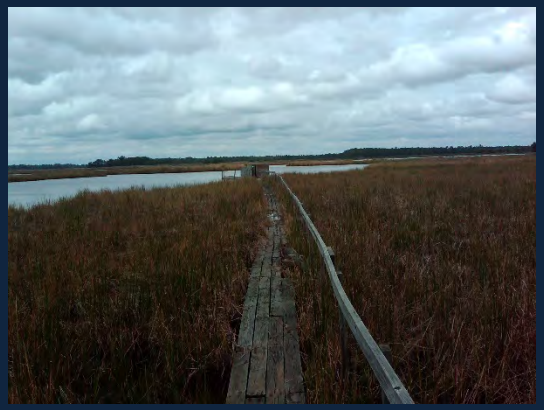
# Agriculture

**Land Use**

**48% Agriculture**

**7% Urban**





# Commercial Fishing

## Oysters

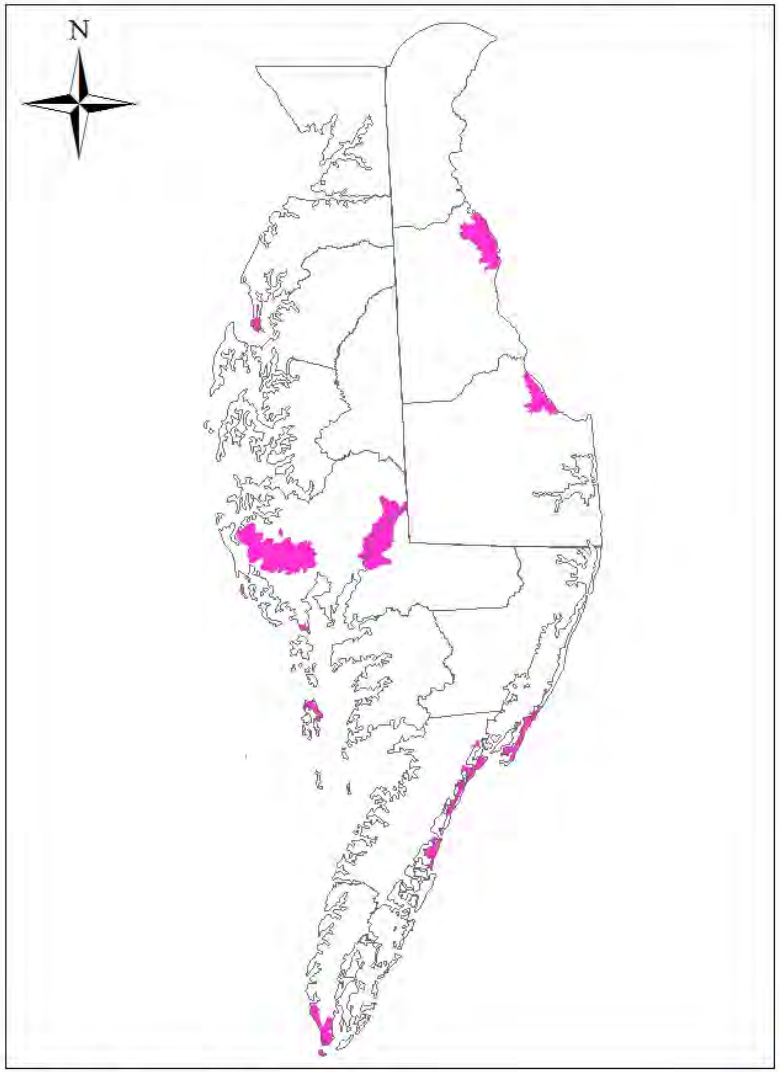
## Blue Crabs

# Economics of Delmarva's Natural Lands, Farmland, and Open Space*

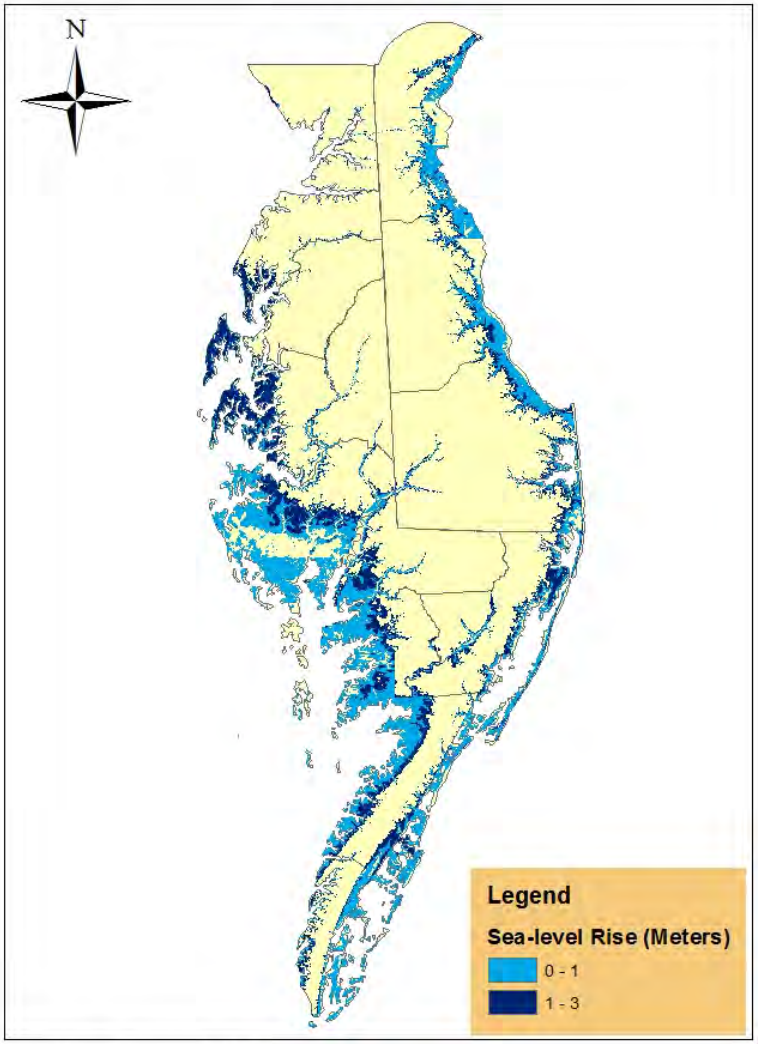
- Outdoor enthusiasts spend up to $3.9 billion per year supporting 27,900 jobs;
- 7,000 farms yield $2.8 billion in farm products per year on 1.3 million acres;
- Commercial fishing in the Chesapeake Bay is worth $300 million per year;
- Delmarva Peninsula fishery leads the nation in total weight of catch;
- All told, contributes over $15 billion in ecological Services annually, supporting important Industries like fisheries and tourism;
- Conservation, aquaculture, and conservation visitor spending contributed $270 million dollars to Virginia's Delmarva in 2016.

*A 2012 study on the economics of natural areas (including farmland) on Delmarva by Southwick Associates & a socio-economic study by the Virginia Coastal Zone Management Program.

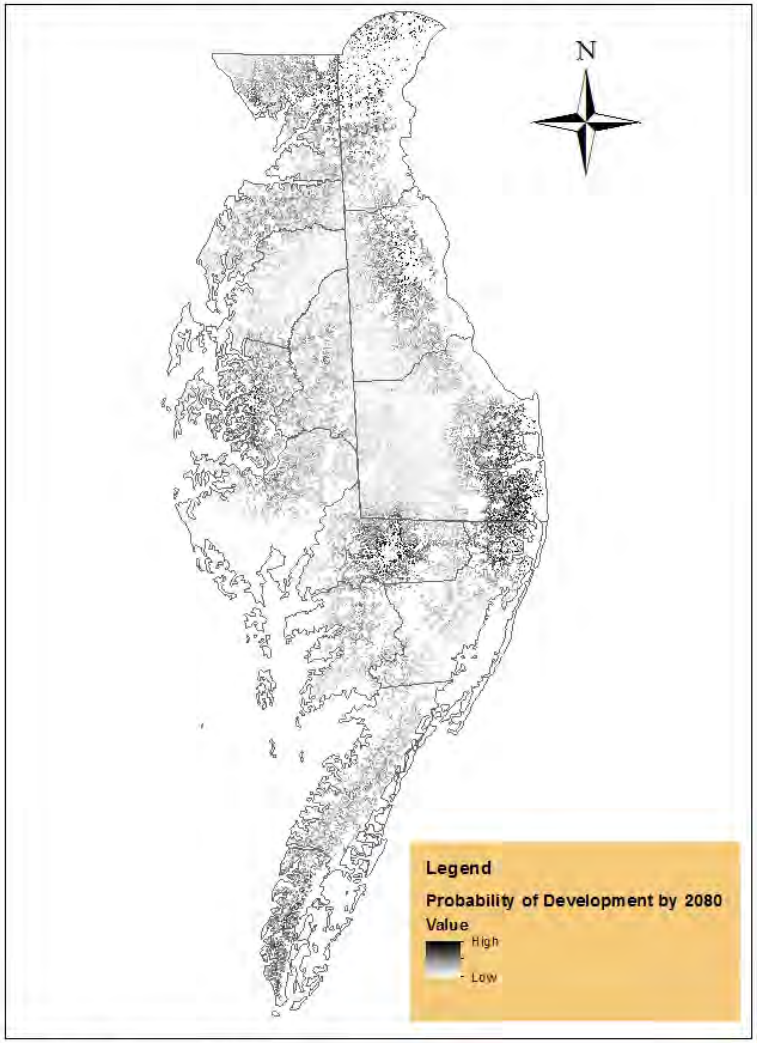
## Delmarva Restoration and Conservation Network
## Delmarva National Wildlife Refuges



## Delmarva Restoration and Conservation Network
## Sea-level Rise




## Delmarva Restoration and Conservation Network
## Probability of Development by 2080



# Delmarva Restoration and Conservation Network

## Strategic Action Plan

- Conservation Design + Business Plan
- Protect the Delmarva countryside.
- What needs to be done and where?
- How we will work together to get support and funding for voluntary restoration and conservation on Delmarva.
- 102 People from 42 Organizations

# The Delmarva Restoration and Conservation Network Vision, Mission, and Goals

## Mission

To restore and conserve Delmarva's landscapes, waterways, and shorelines that are special to its people, fundamental to its economy, and vital for its native fish, wildlife, and plants.

## Vision

We envision a Delmarva where native fish and wildlife thrive; the fabric of healthy natural and working lands and waters enrich the lives of those who live, work, and play on the land; and rich forestlands and coastal areas support and sustain present and future generations.

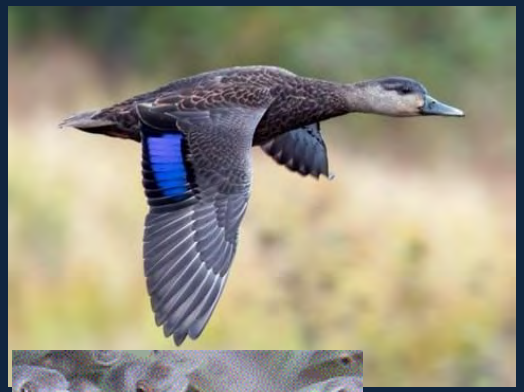
# Delmarva Restoration and Conservation Network Goals

**Goal 1 –** Shape and support a network of cooperative alliances among the diversity of people, governments, organizations, and industries that rely on Delmarva's natural resources.

**Goal 2 –**Enhance the Sustainability of resource-based industries -- including fisheries, agriculture, forest products, tourism, and outdoor recreation -- that enable the economies of Delmarva communities to thrive.

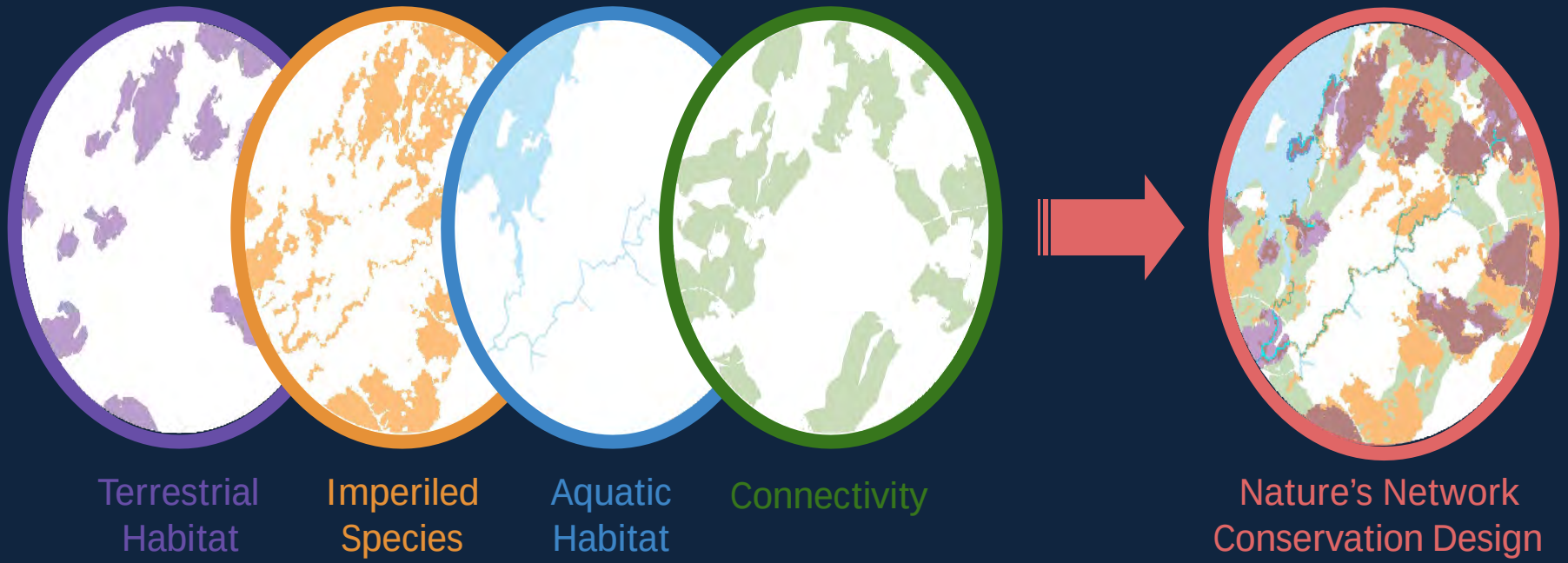
**Goal 3 -** Identify, conserve, restore, and manage the vital network of working and natural lands and waters that support a diversity of habitats for native fish and wildlife, and maintain resiliency in the face of future development and climate change for present and future generations.

# Delmarva Restoration and Conservation Network Representative Species (47)



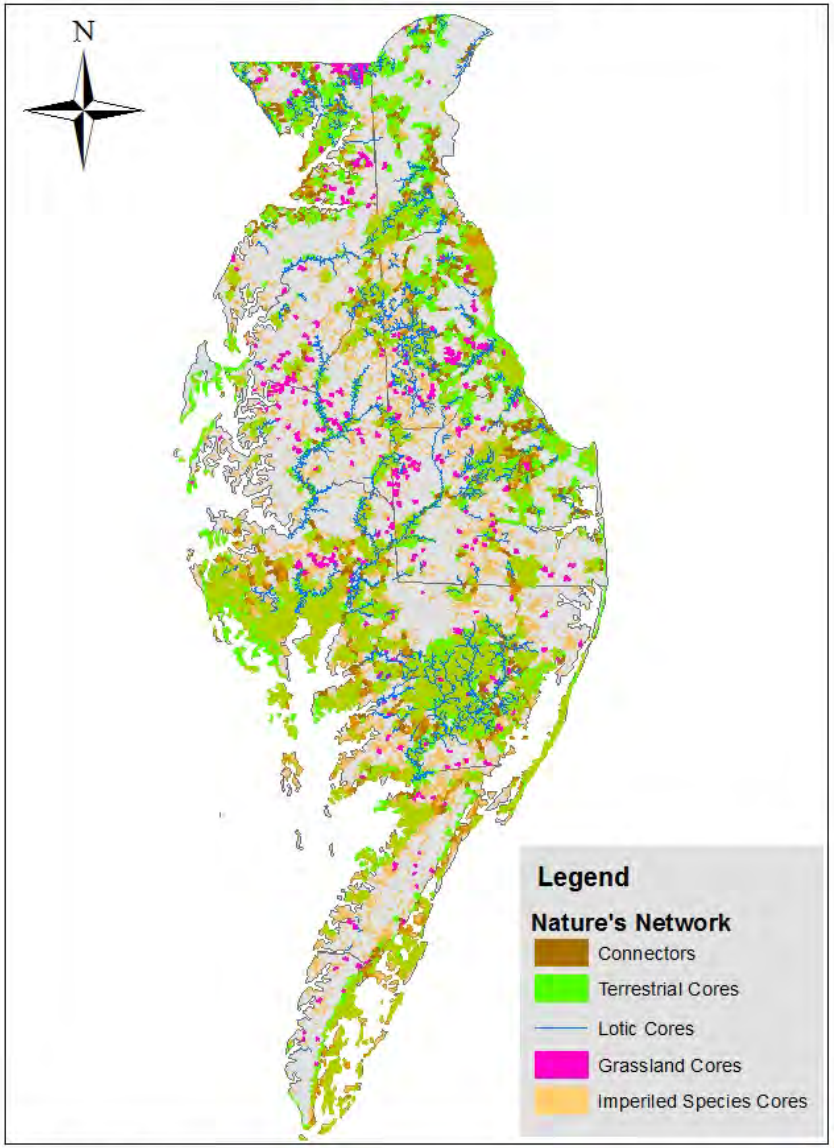
# The conservation design

www.naturesnetwork.org

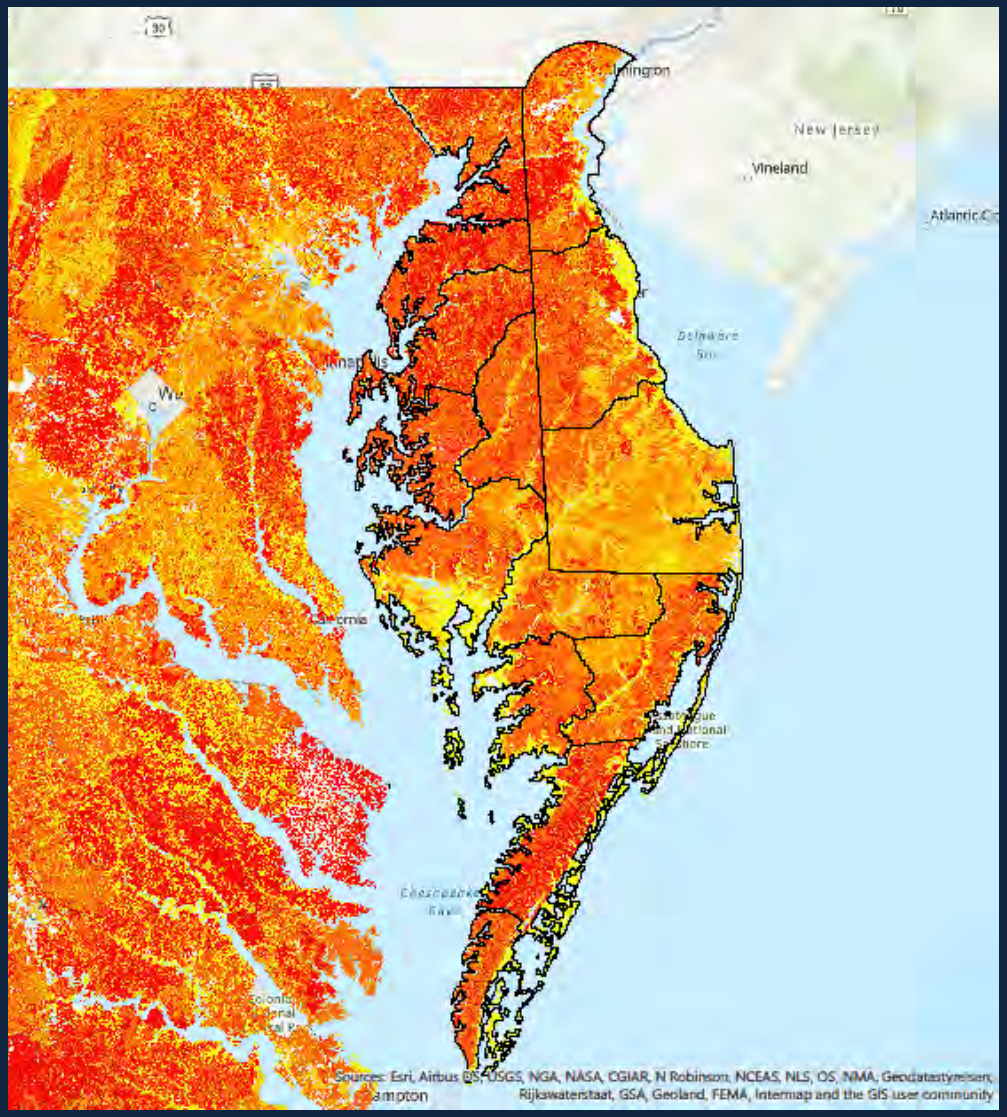



**The key features of each of the four components are integrated in one map for Nature's Network Conservation Design, but many complementary data layers are available to support conservation planning.**

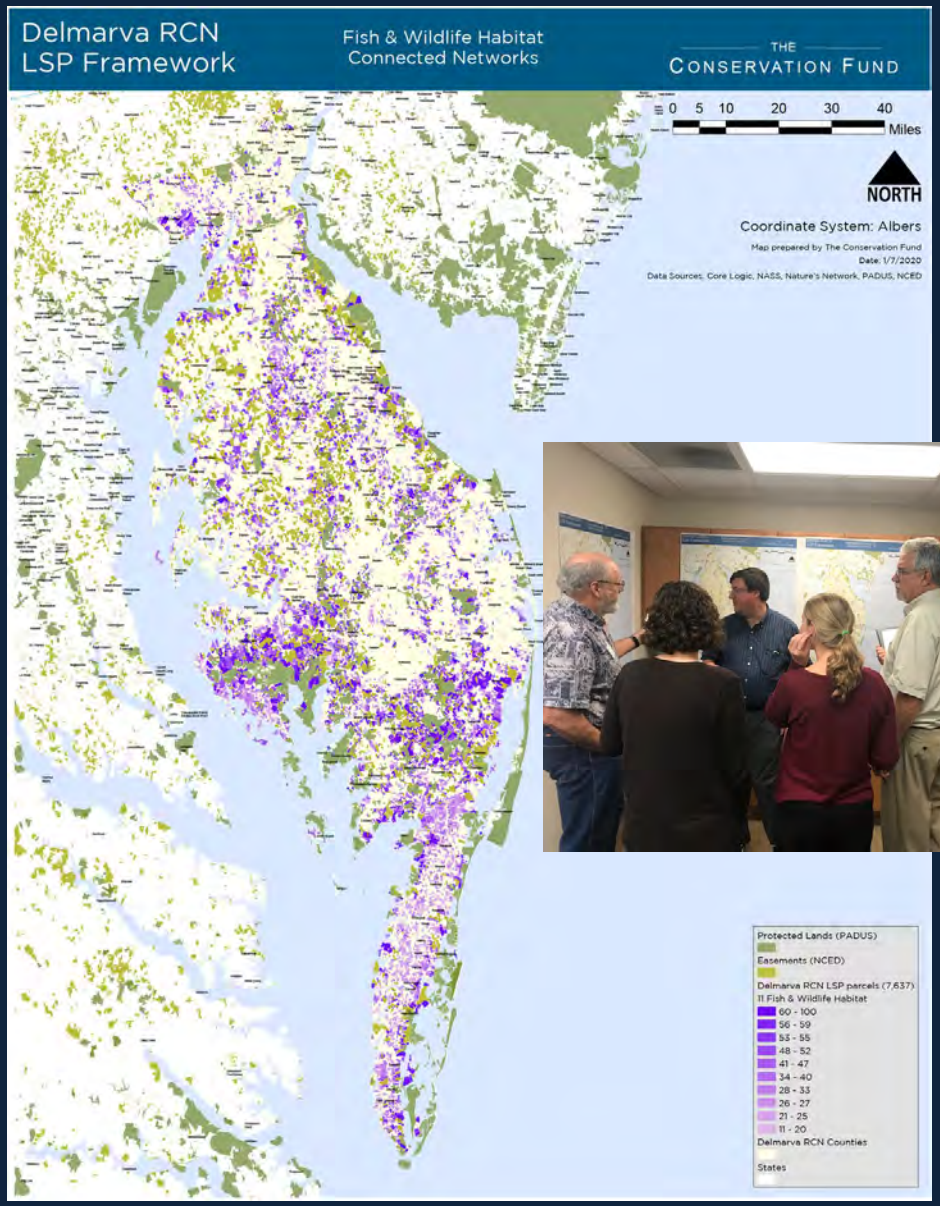
## Delmarva Restoration and Conservation Network
## Nature's Network Core Map



# Soil Productivity



# Structured Decision Making Workshop – Logic Scoring of Preference Model



DELMARVA RCD WORKSHOP – FEEDBACK FORMS – OCTOBER 9, 2019

**PLEASE RETURN BEFORE YOU DEPART THE WORKSHOP**

Station 1 - Fish & Wildlife Habitat

Review Maps and provide feedback below:

- 1a) Connected Network Features (111)
- 1b) Connected Networks Parcel Map (111)
- 1c) Representative Species Landscape Capability (112)
- 1d) Representative Species Parcel Map (112)

A. How would you weight the relative factors for parcels to meet fish and wildlife habitat protection objectives? (Total should equal 100)

*Fish and Wildlife Connected Networks* _____
*Representative Species Landscape Capability* _____
*Proximity to Existing Protected/Managed Lands* _____
100%

How would you weight the relative factors for parcels to meet fish and wildlife habitat otection objectives? (Total should equal 100)

*tal Acreage of Connected Network Designations within the Parcel* _____
*rcent of Parcel with Connected Network Designations (50-100%)* _____
*tal Parcel Size* _____
100%

What percent suitabilty would you give for the number of representative species likely to cur on a parcel (values must be between 0-100)?

| # Species | % Satisfaction |
|---|---|
| 5 | 100 |
| 4 | |
| 3 | |
| 2 | |
| 1 | |
| 0 | 0 |

D. Are there any other considerations for fish and wildlife habitat you would like to see given the available data on the maps?_____

_____

_____

_____

(Optional) Name:_____ Affiliation:_____

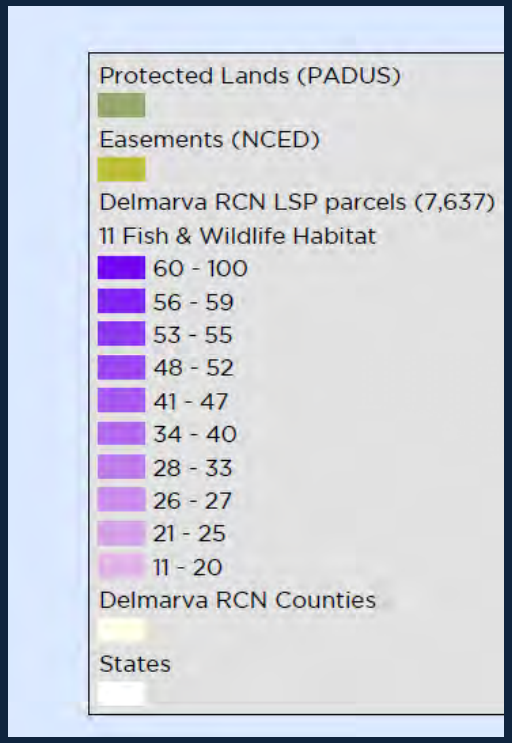
e-Mail:_____ Phone:_____

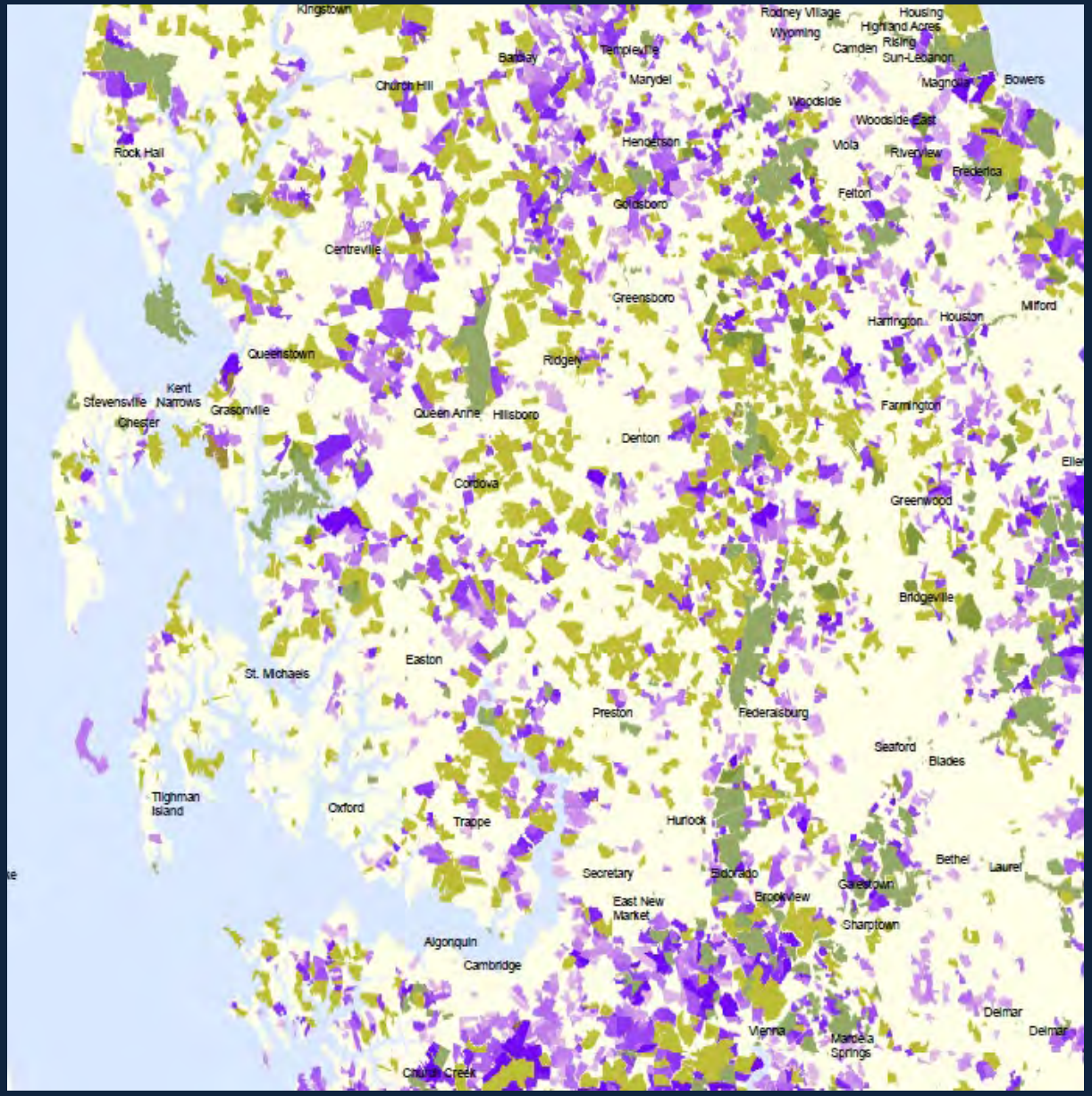
Station 2 - Water Quality

Page 1 of 6

Feedback

# LSP Wildlife Conservation Value



# LSP Water Quality Restoration Value

Protected Lands (PADUS)

Easements (NCED)

122 Delmarva RCN LSP parcels (7,637)

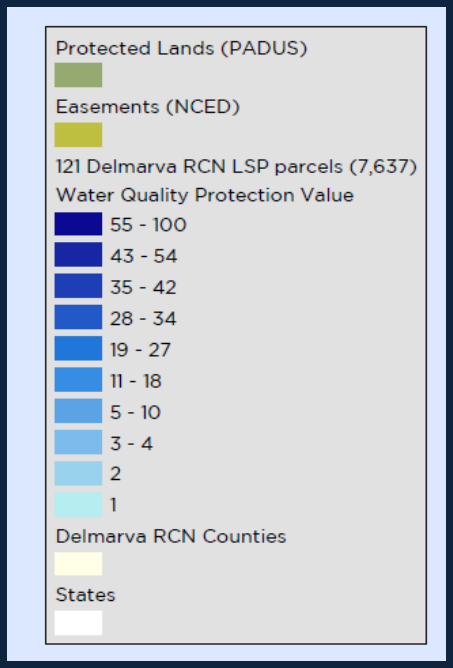
Water Quality Restoration Value

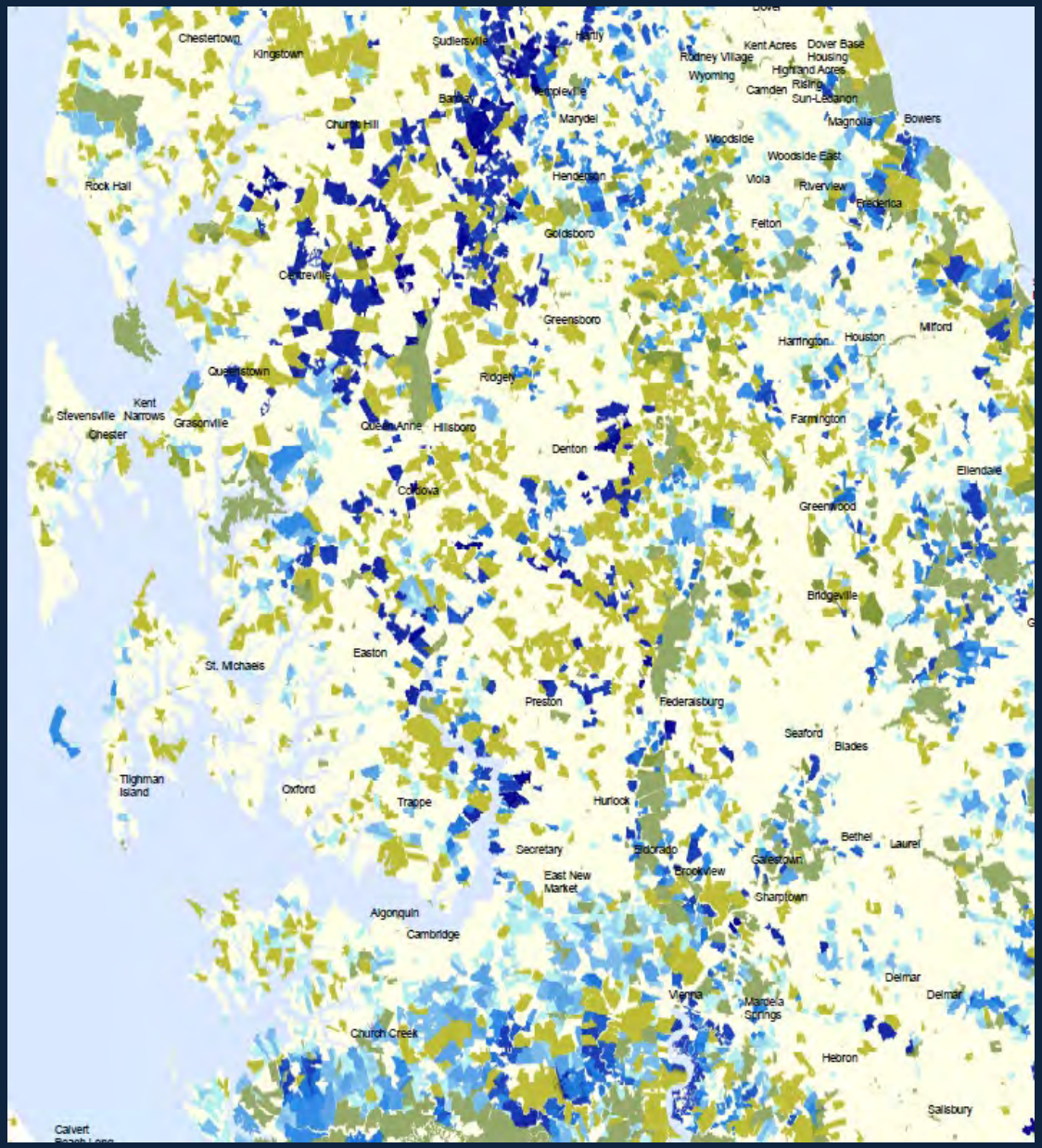
- 57 - 100
- 38 - 56
- 29 - 37
- 17 - 28
- 13 - 16
- 10 - 12
- 8 - 9
- 5 - 7
- 3 - 4
- 0 - 2

Delmarva RCN Counties

States

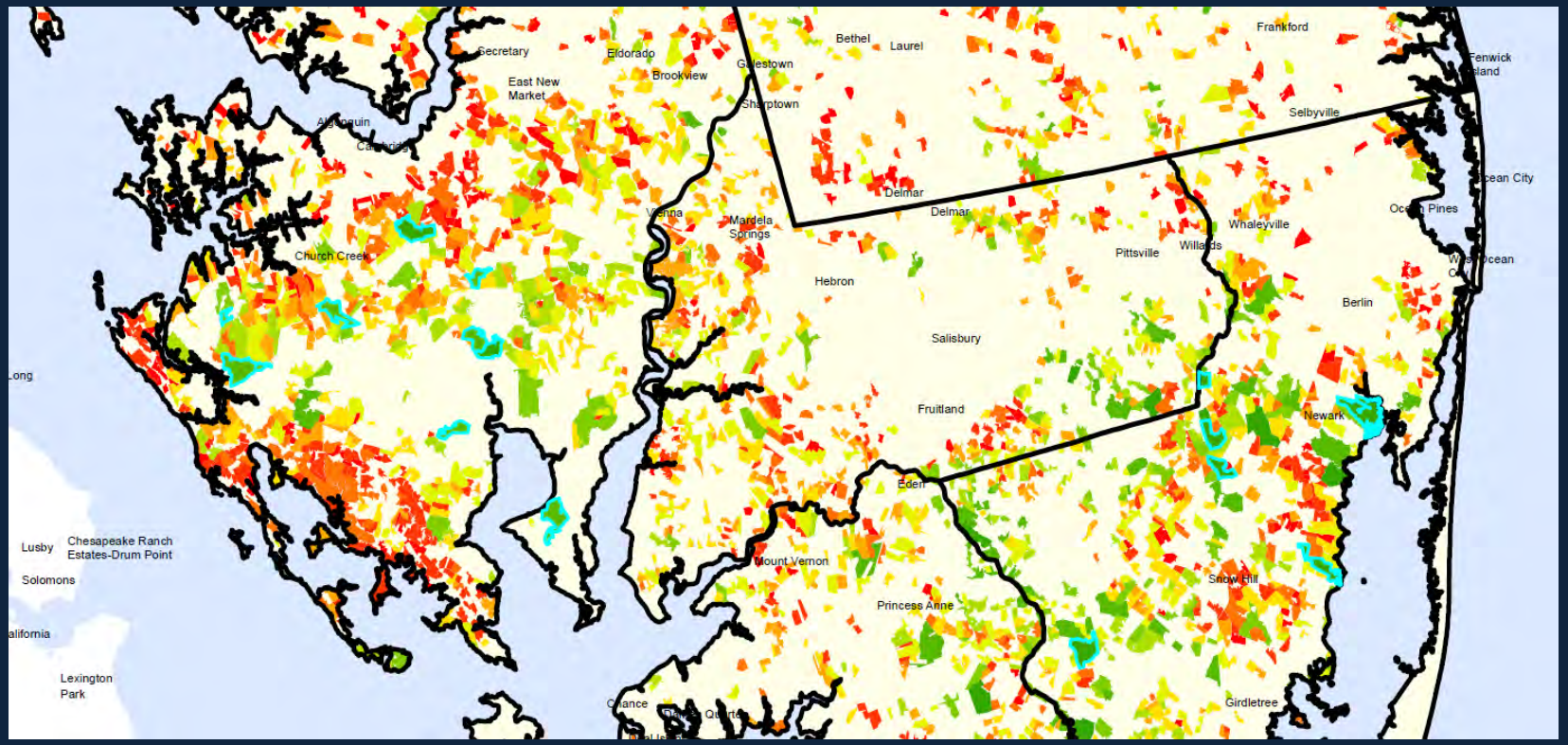
# LSP Water Quality Protection Value



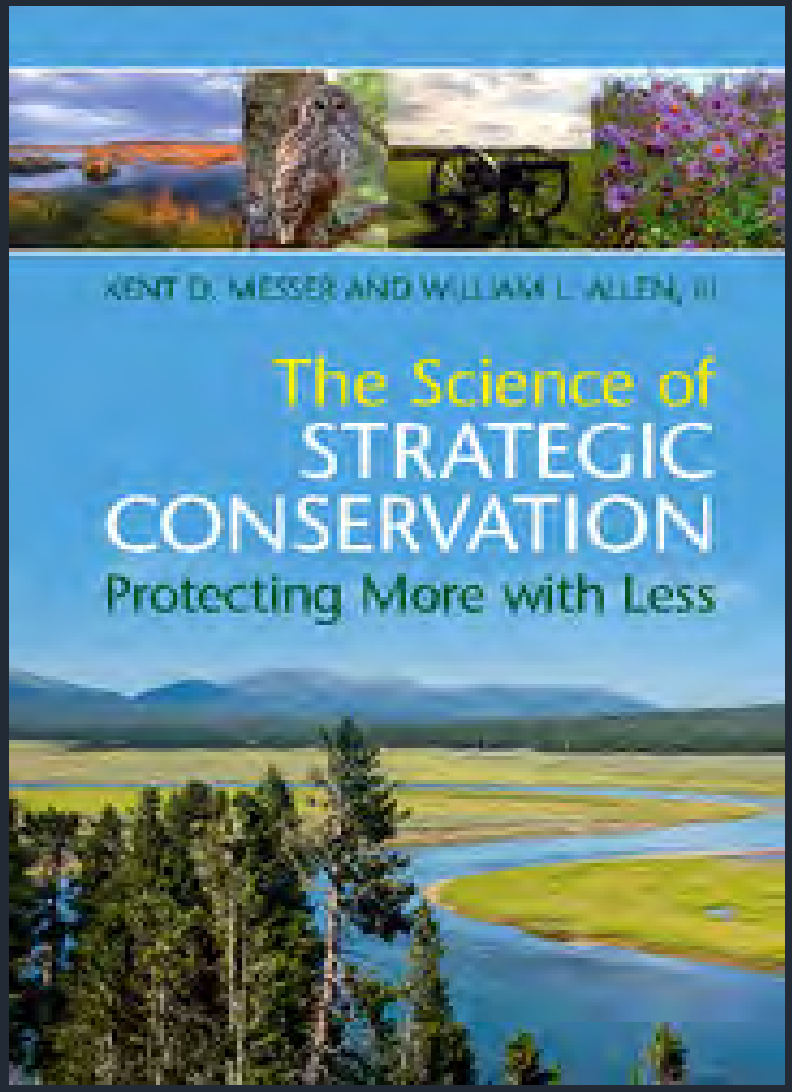



# Optimization

| Method | # Projects | Acres | Mean LSP Score (0-100) | Aggregate LSP Value |
|---|---|---|---|---|
| Cost-Effective Analysis | 24 | 12,502 | 86.0 | 2,065 |
| Rank-Based Method | 21 | 9,987 | 72.1 | 1,515 |

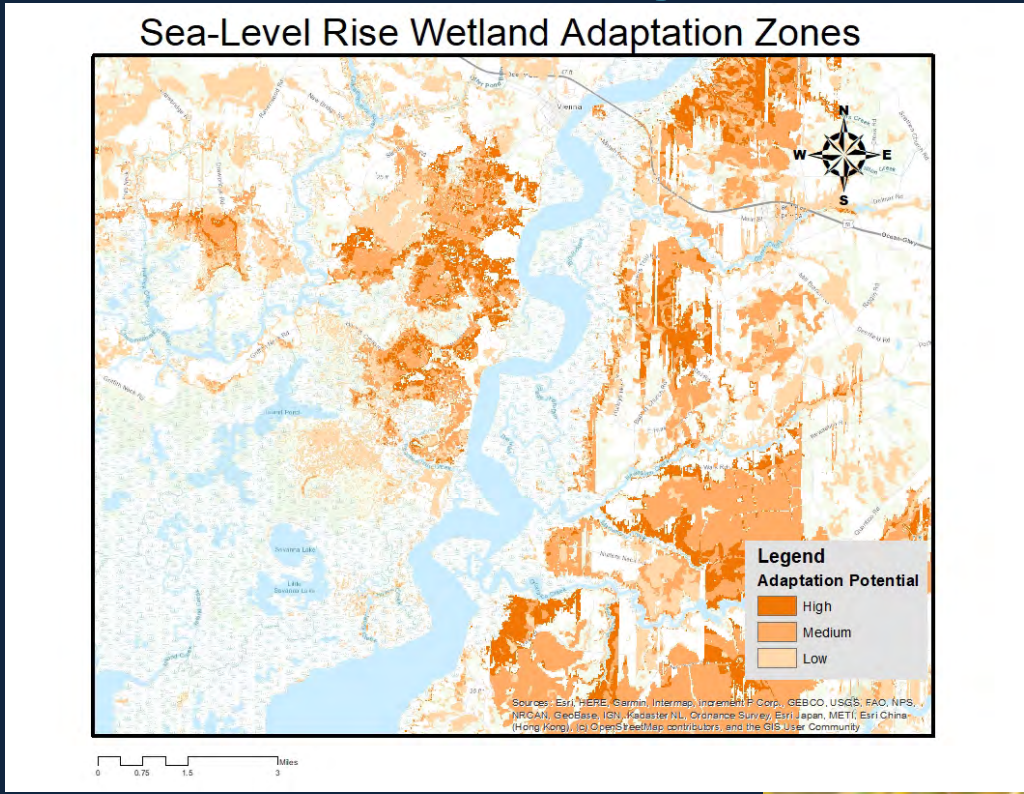


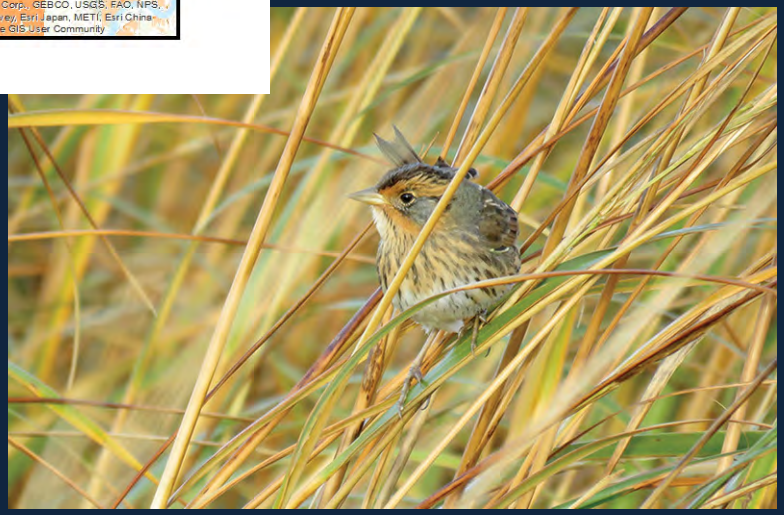
# *For more information…*




- Publisher: Cambridge University Press
- **Kent D. Messer, University of Delaware , William L. Allen, III, The Conservation Fund, Chapel Hill, USA**
- Print publication year: 2019
- Online ISBN: 9781108123778

# Delmarva Restoration and Conservation Network Pilot Project





LOWER SHORE LAND TRUST

## Delmarva Restoration and Conservation Network

# Chesapeake Watershed Investments for Landscape Defense (WILD) Act

# Delmarva Restoration & Conservation Network

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