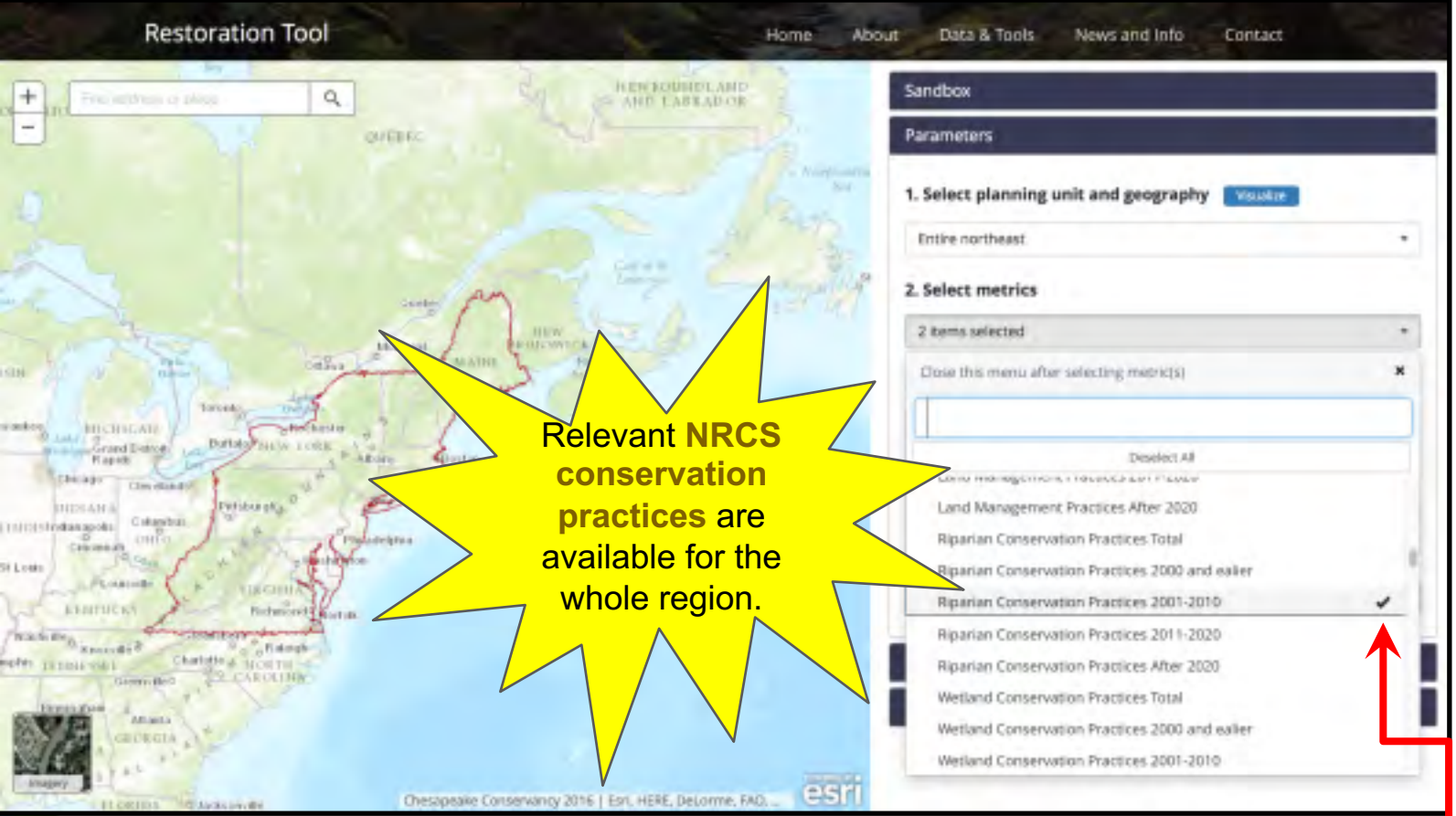
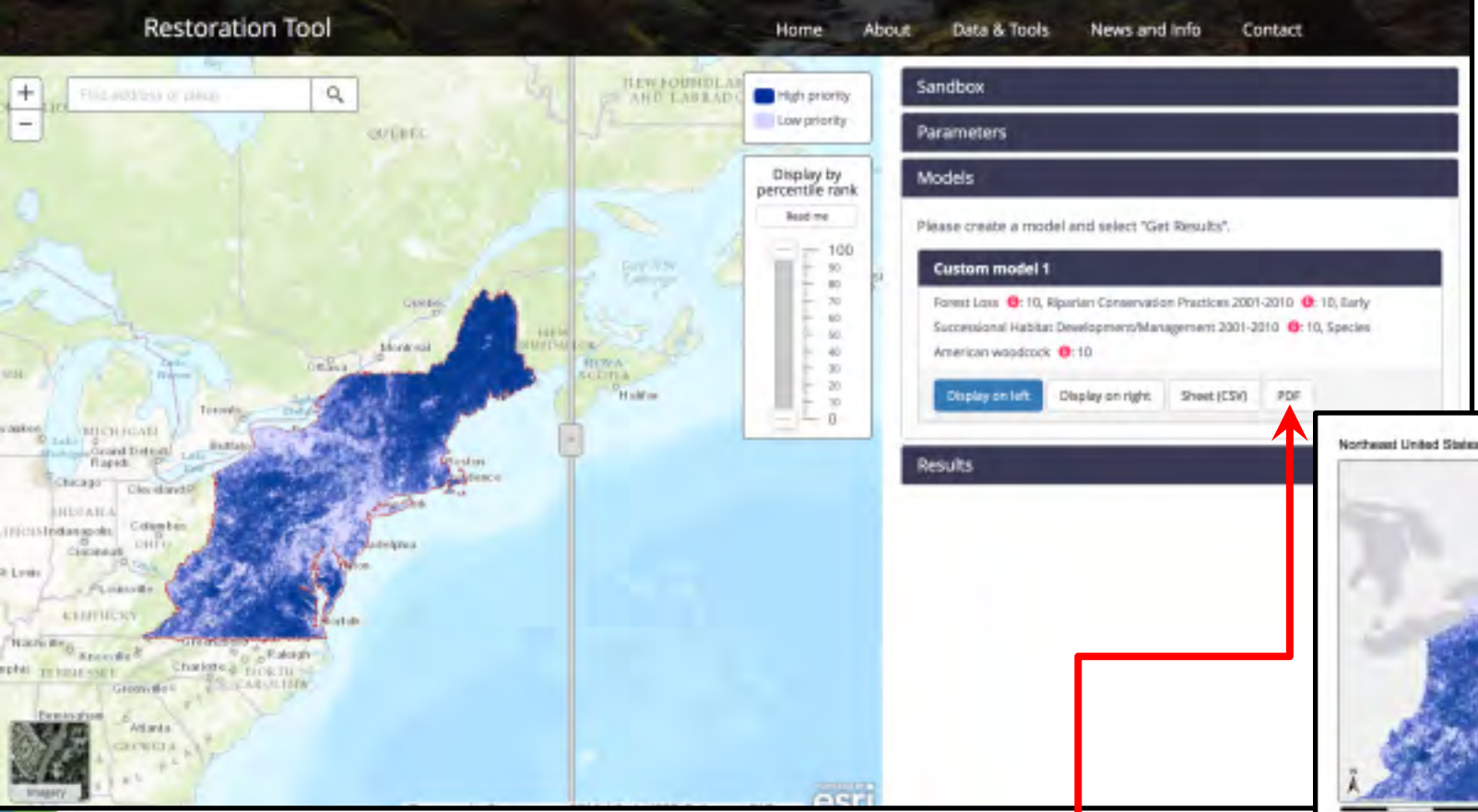


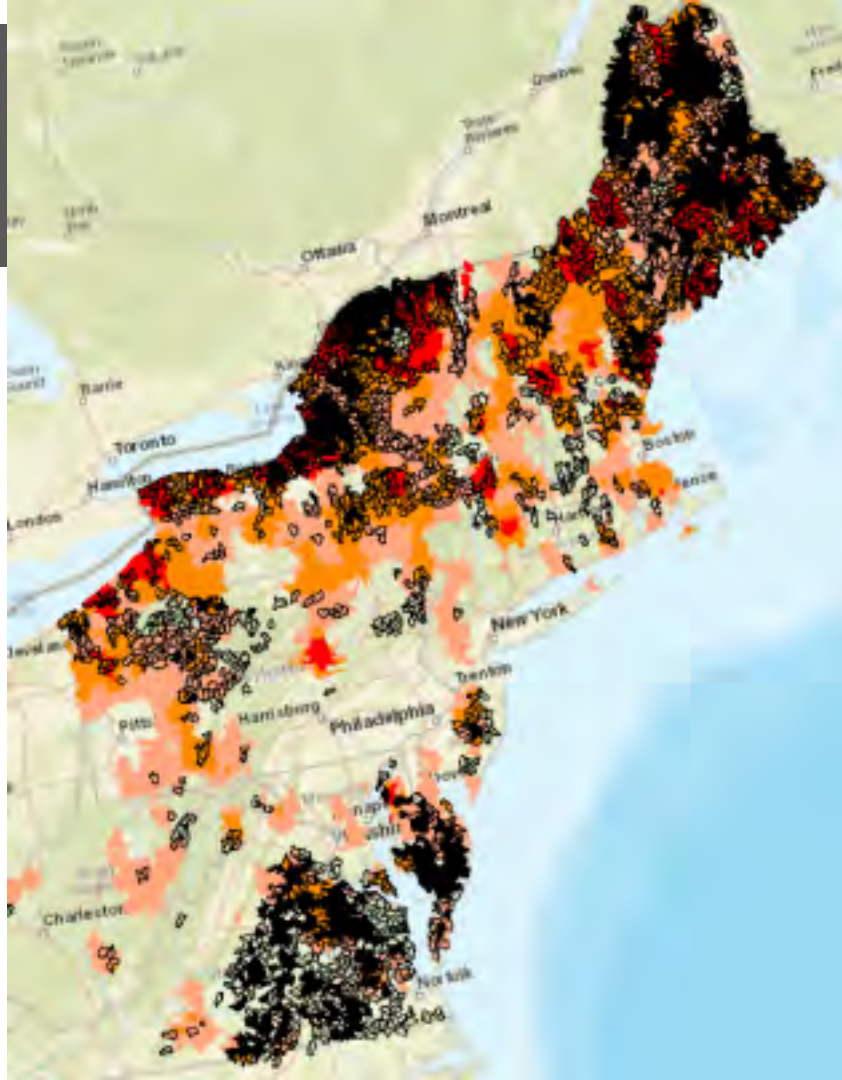
3. Select NRCS conservation practices to identify areas that might have willing landowners, or areas that need more effort.



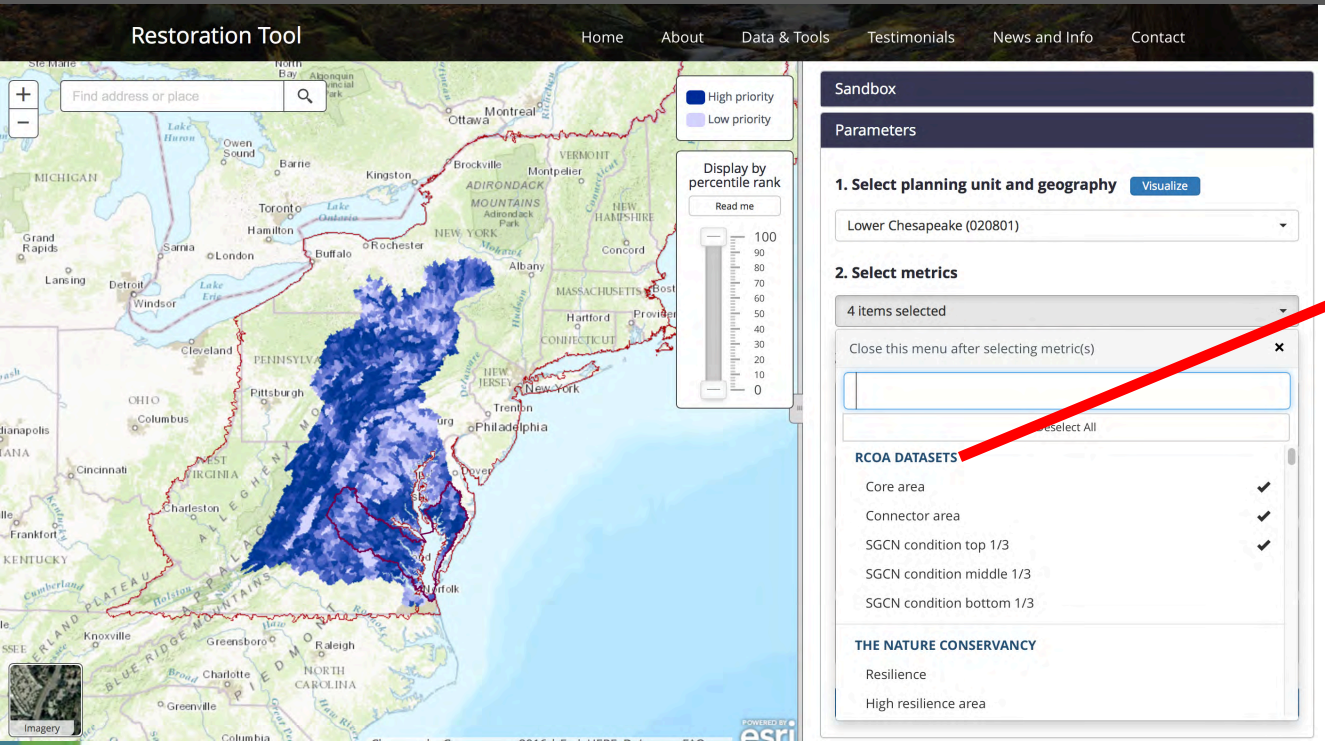
5. Download a map and report to your computer.

Potential Results

- Solid black shows woodcock focus areas where NRCS has been highly active;
- Black outline shows woodcock focus areas where NRCS has been inactive;
- Red and orange is woodcock abundance (Throgmarten)

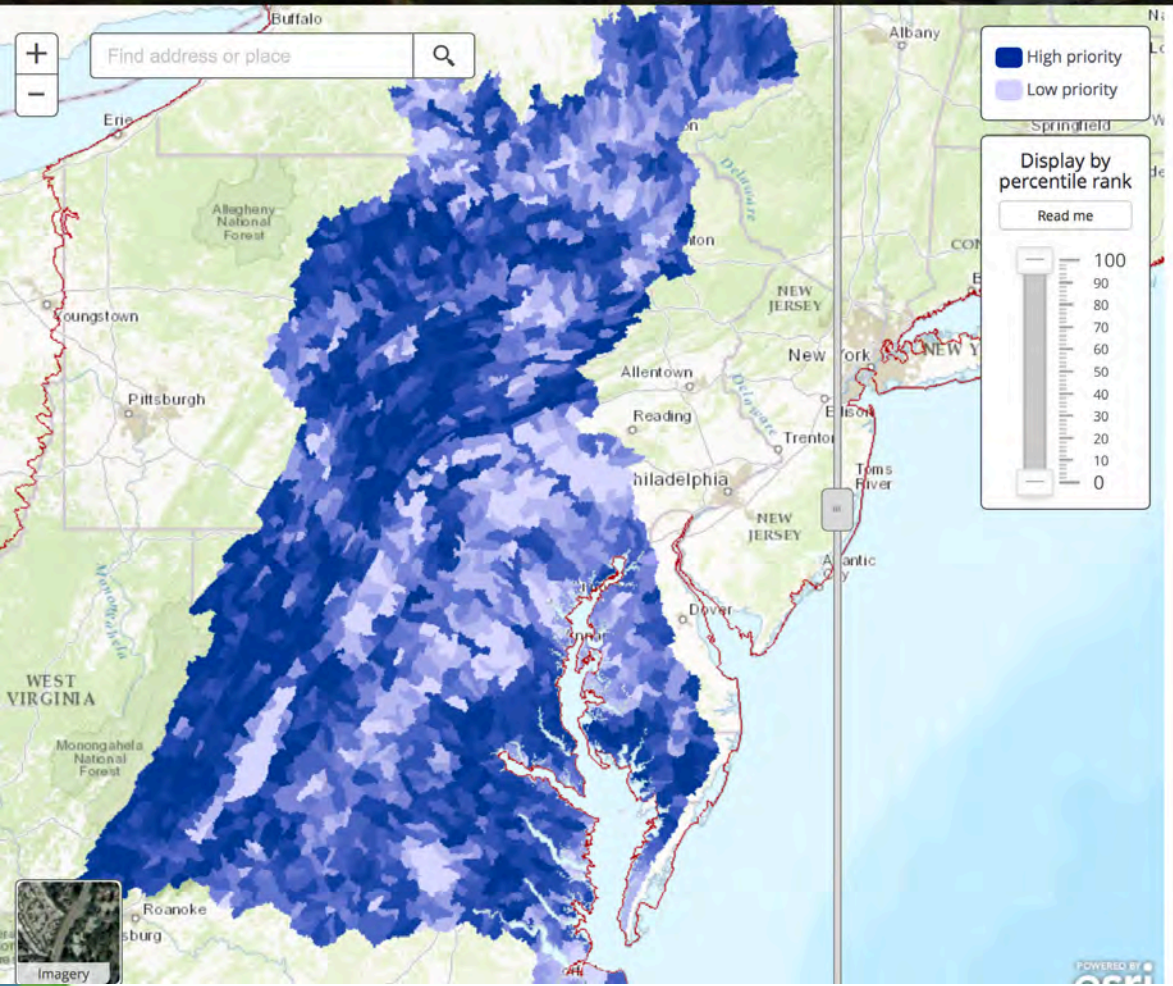


Simplify RCOA results



RCOA DATASETS

- Core area
- Connector area
- SGCN condition top 1/3
- SGCN condition middle 1/3
- SGCN condition bottom 1/3



Sandbox

Parameters

1. Select planning unit and geography Visualize

Chesapeake Bay watershed

2. Select metrics

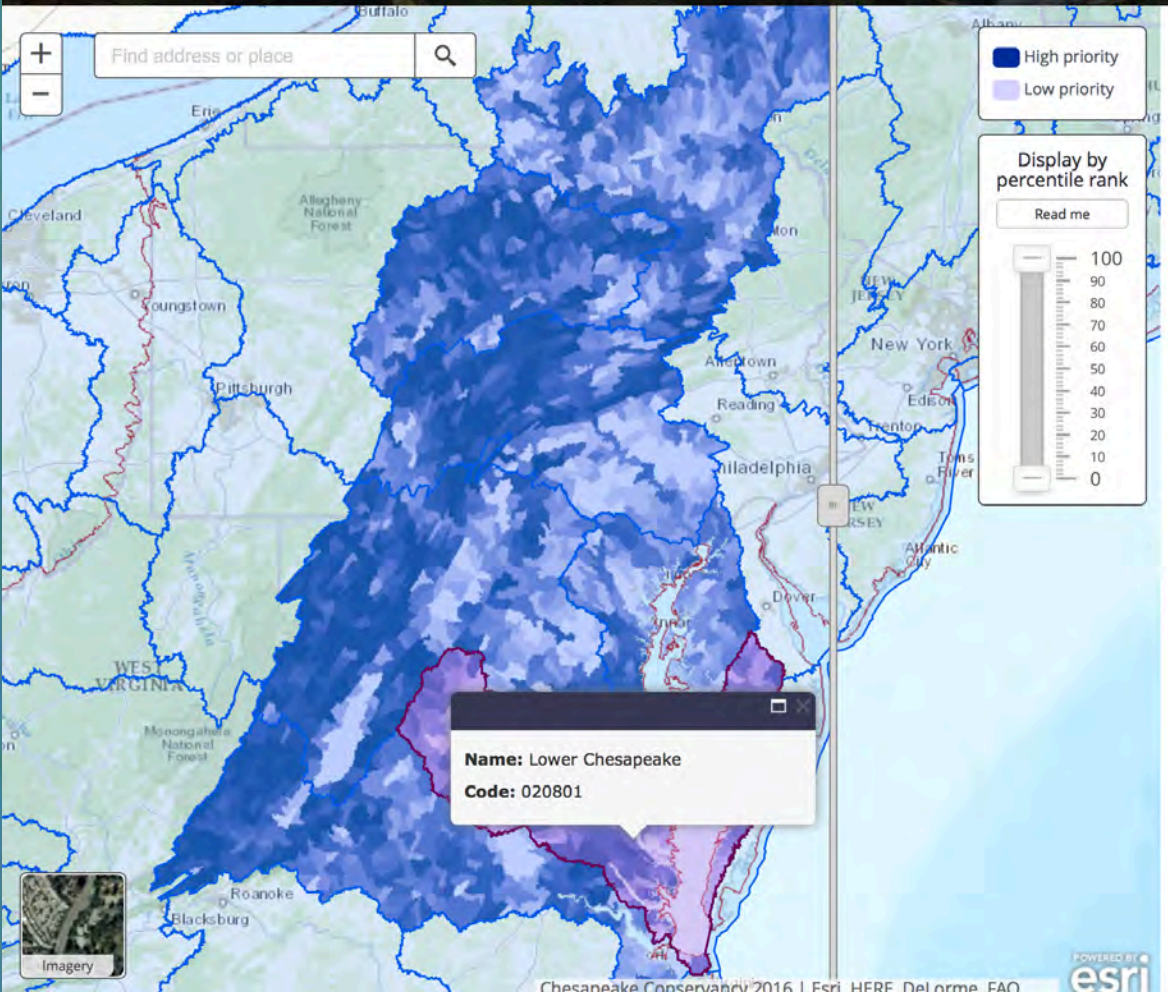
4 items selected

3. Specify weights (1-10) What do the weights mean?

Core area	Positive	2
Connector area	Positive	1
SGCN condition top 1/3	Positive	2
Concentrated flow area	Positive	1

Remove

Get New Result



Sandbox

Parameters

1. Select planning unit and geography

Remove

Lower Chesapeake (020801)

2. Select metrics

4 items selected

3. Specify weights (1-10)

What do the weights mean?

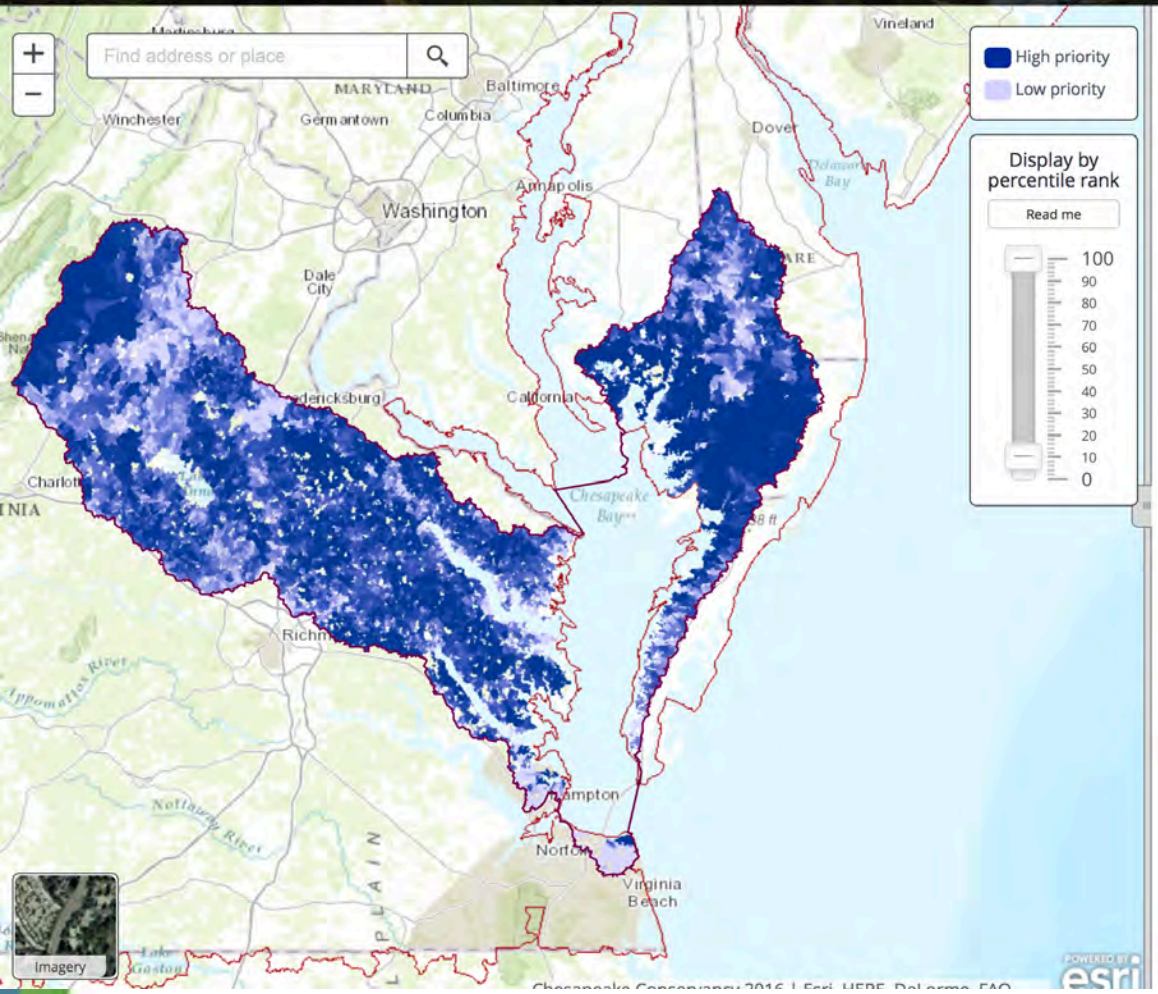
Core area — Remove
Positive 2

Connector area — Remove
Positive 1

SGCN condition top 1/3 — Remove
Positive 2

Concentrated flow area — Remove
Positive 1

Get New Result



Sandbox

Parameters

Models

Please create a model and select "Get Results".

Custom model 1

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

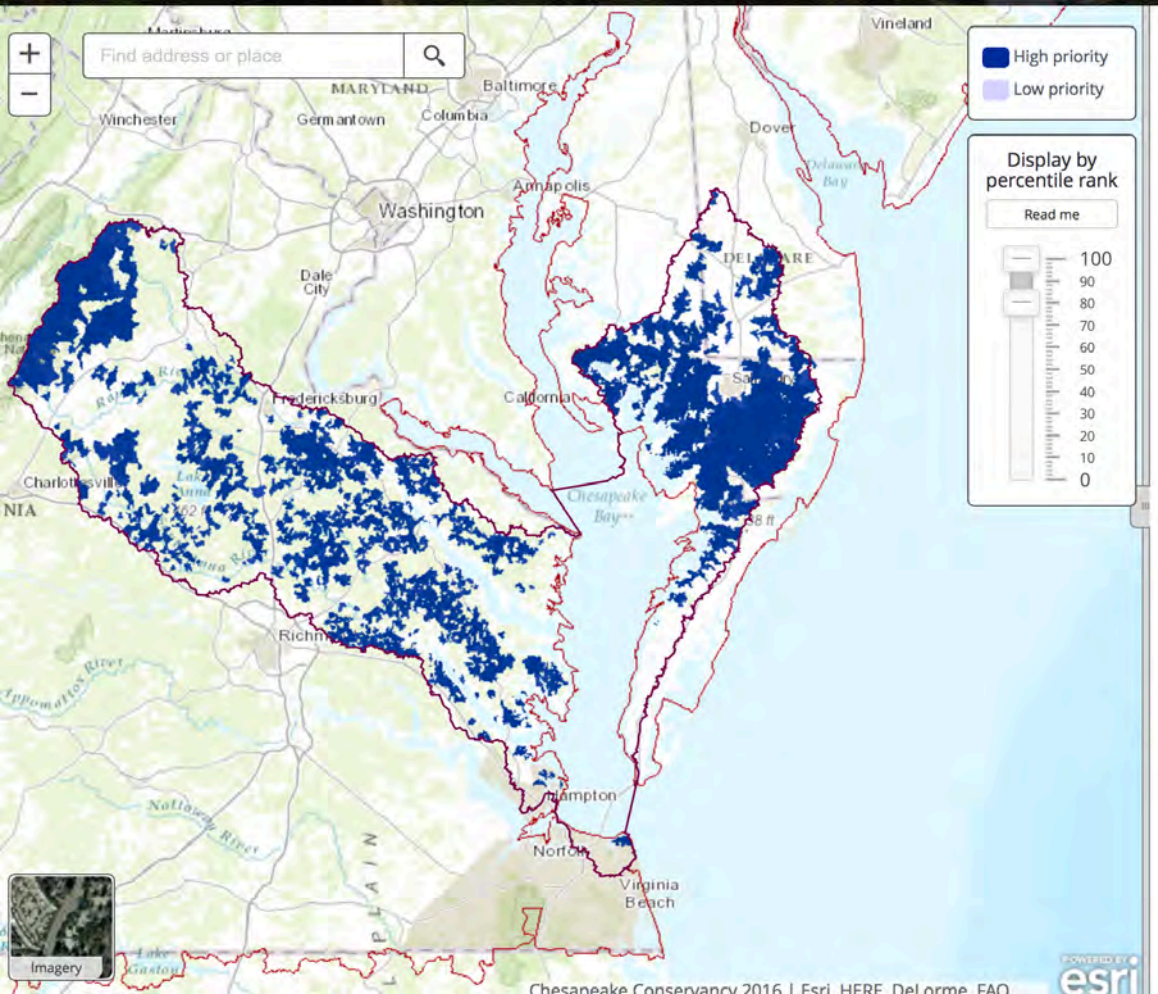
Display on left | Display on right | Sheet (CSV) | PDF

Custom model 2

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

Display on left | Display on right | Sheet (CSV) | PDF

Results



Sandbox

Parameters

Models

Please create a model and select "Get Results".

Custom model 1

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

Display on left | Display on right | Sheet (CSV) | PDF

Custom model 2

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

Display on left | Display on right | Sheet (CSV) | PDF

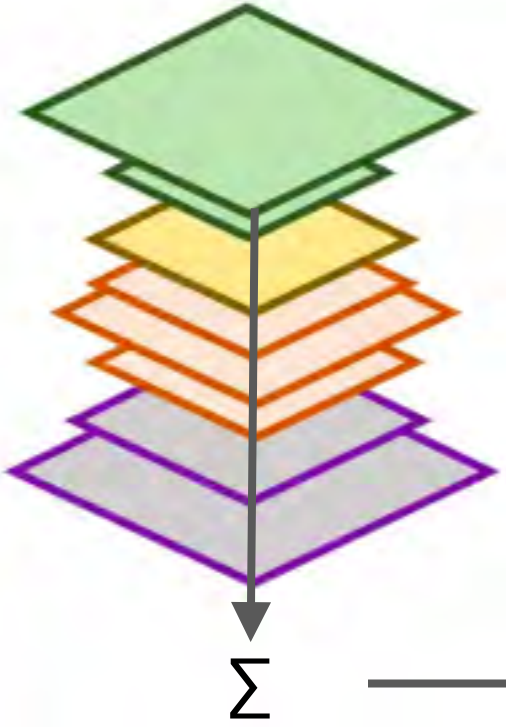
Results

Scenario Building

1. Objective

2. Restoration criteria

3. Weighted model



4. Prioritization map

Priority rank =
sum of weighted metrics

Scenario building process

Refine your objective

- Target species or habitat
- Desirable habitat conditions
- Specific actions & opportunities
- Limiting factors

Scenario building process

Focus on key factors to identify opportunities

- Target species or habitats

Which specific habitats and/or target species are the focus of your management effort?

Scenario building process

Focus on key factors to identify opportunities

- Target species or habitats
- Ecological site conditions

What general site conditions are necessary to ensure that management will generate the desired habitat response?

Scenario building process

Focus on key factors to identify opportunities

- Target species or habitats
- Ecological site conditions
- Conservation practices

Do you want to focus effort where NRCS practices or GAP status indicate willing landowners, or target completely new areas?

The answer might lead to different strategies: focus on public lands, re-entry on willing landowners, and new recruitment…

Scenario building process

Focus on key factors to identify opportunities

- Target species or habitats
- Ecological site conditions
- Conservation practices
- Current land uses or factors that help or hinder

Which prior land uses help or hinder management?
What makes a site inoperable or inaccessible?
Which stresses are currently present that might be mitigated?

Scenario building process

Focus on key factors to identify opportunities

- Target species or habitats
- Ecological site conditions
- Conservation practices
- Current land uses that help or hinder
- Synergistic priorities

Are there related initiatives or mapped regional focus areas that are compatible?

Scenario building process

We can use surveys to help select the proper metrics and weights.

9. **Average age of forest LOST during last 10-year period**
Mark only one oval.

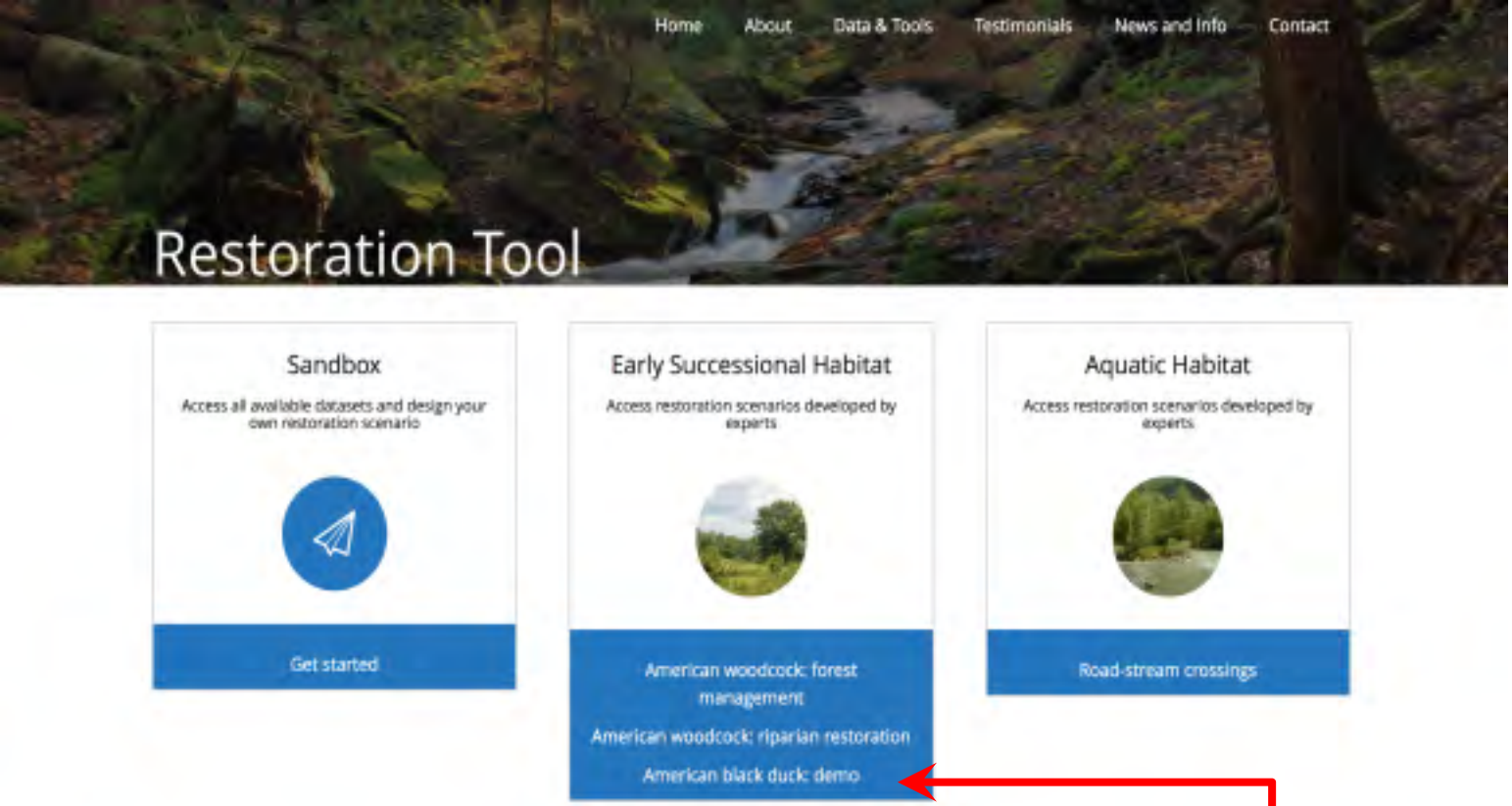
	0	1	2	3	4	5	6	7	8	9	10	
0=Not important or useful to identify opportunities for early successional management	⬭	⬭	⬭	⬭	⬭	⬭	⬭	⬭	⬭	⬭	⬭	10=Very important or useful to identify opportunities for early successional management

10. **Area of forest GAINED during last 10-year period**
Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
0=Not important or useful to identify opportunities for early successional management	⬭	⬭	⬭	⬭	⬭	⬭	⬭	⬭	⬭	⬭	⬭	10=Very important or useful to identify opportunities for early successional management

Scenario building process

Based on your input, we can develop customized metrics and upload your data to be integrated with other regional results.



Expert scenarios can be uploaded.

Demo: Riparian buffers

- **Where should we plant forest buffers to increase connectivity (flow) for terrestrial/aquatic wildlife, conserve soil, and adapt to climate driven flooding?**

Scenario building process

Focus on key factors to identify forest riparian buffer opportunities for SGCN

- Target species or habitats
  - -important SGCN habitats

- Ecological site conditions
  - -high quality wetlands/streams
  - -productivity soils for forest/wildlife
  - -low forest cover
  - -poor local connectivity
  - -high regional flow potential

BDJV photo gallery: G. Michael Haramis, USFWS

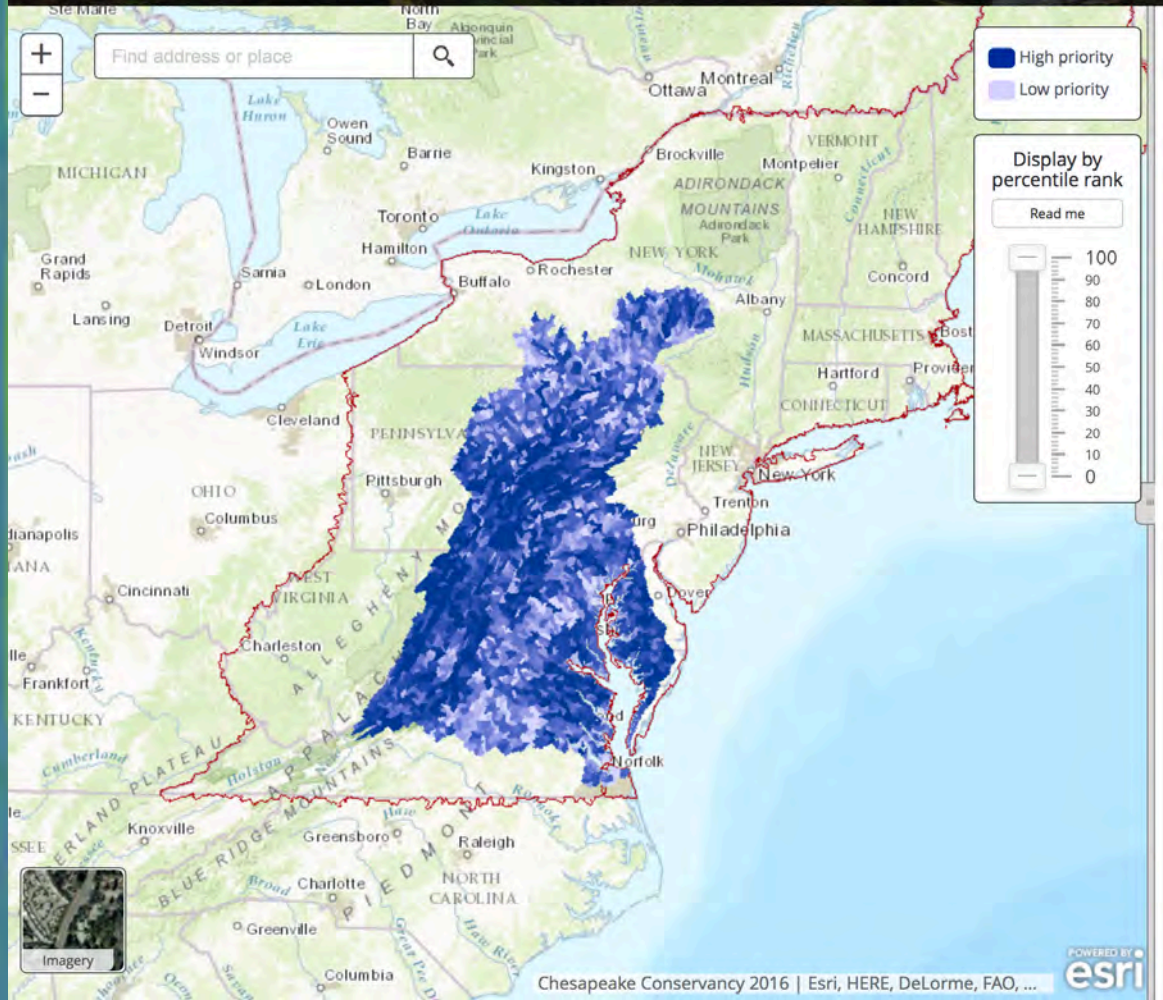
Scenario building process

Focus on key factors to identify forest riparian buffer opportunities for SGCN

- Conservation practices
  -increase riparian forest buffers

- Current land uses that help or hinder
  -agriculture is desirable
  -impervious surfaces hinder

BDJV photo gallery: G. Michael Haramis, USFWS



Connector area — Remove
Positive 6

SGCN condition top 1/3 — Remove
Positive 10

Concentrated flow area — Remove
Positive 6

SGCN condition middle 1/3 — Remove
Positive 8

Diffuse flow area — Remove
Positive 4

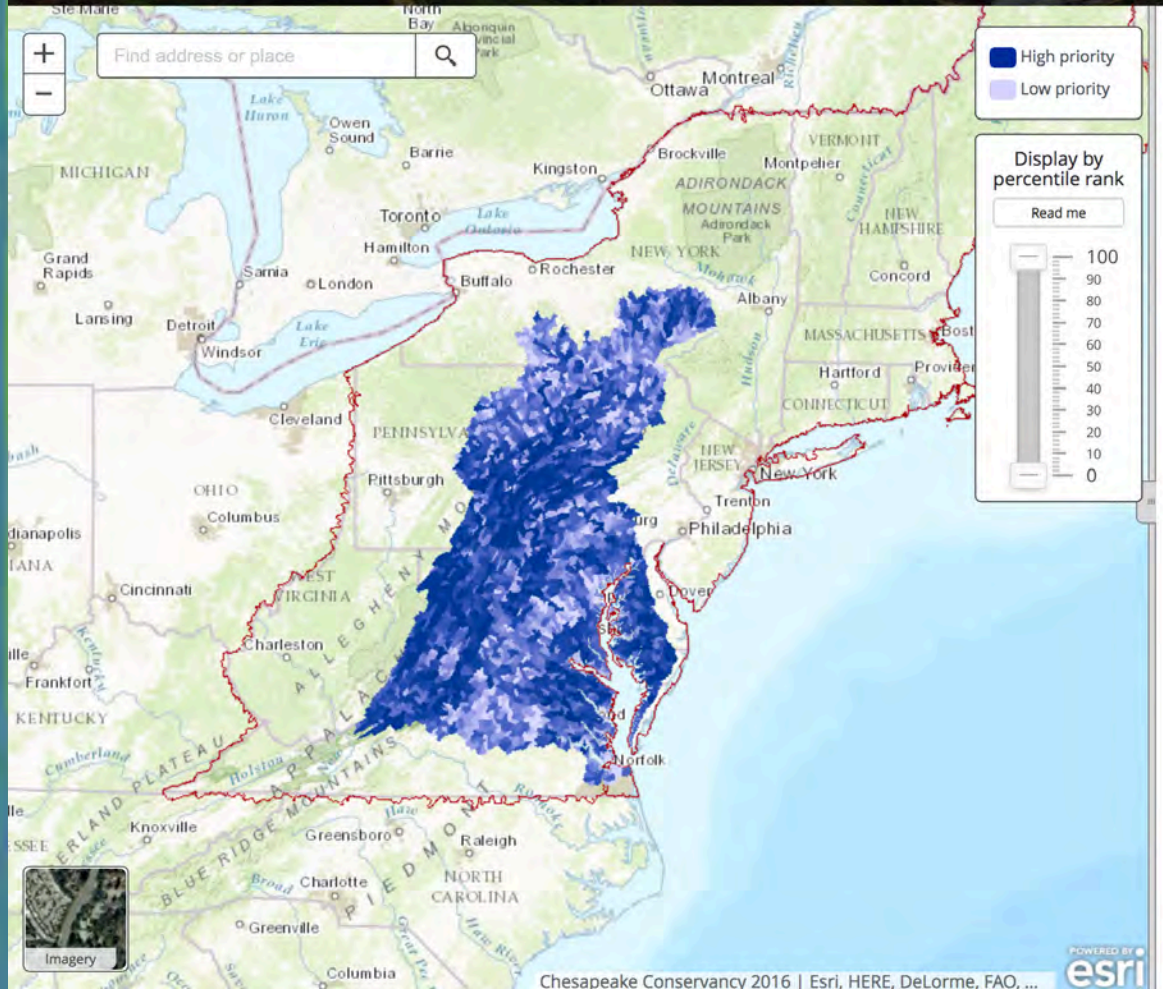
IEI Terrestrial bottom 1/3 — Remove
Positive 3

IEI Terrestrial middle 1/3 — Remove
Positive 3

Forest Cover — Remove
Negative 10

Cultivated crops — Remove
Positive 3

Pasture/hay — Remove
Positive



Get New Result

Models

Please create a model and select "Get Results".

Custom model 1

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

Display on left | Display on right | Sheet (CSV) | PDF

Custom model 2

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

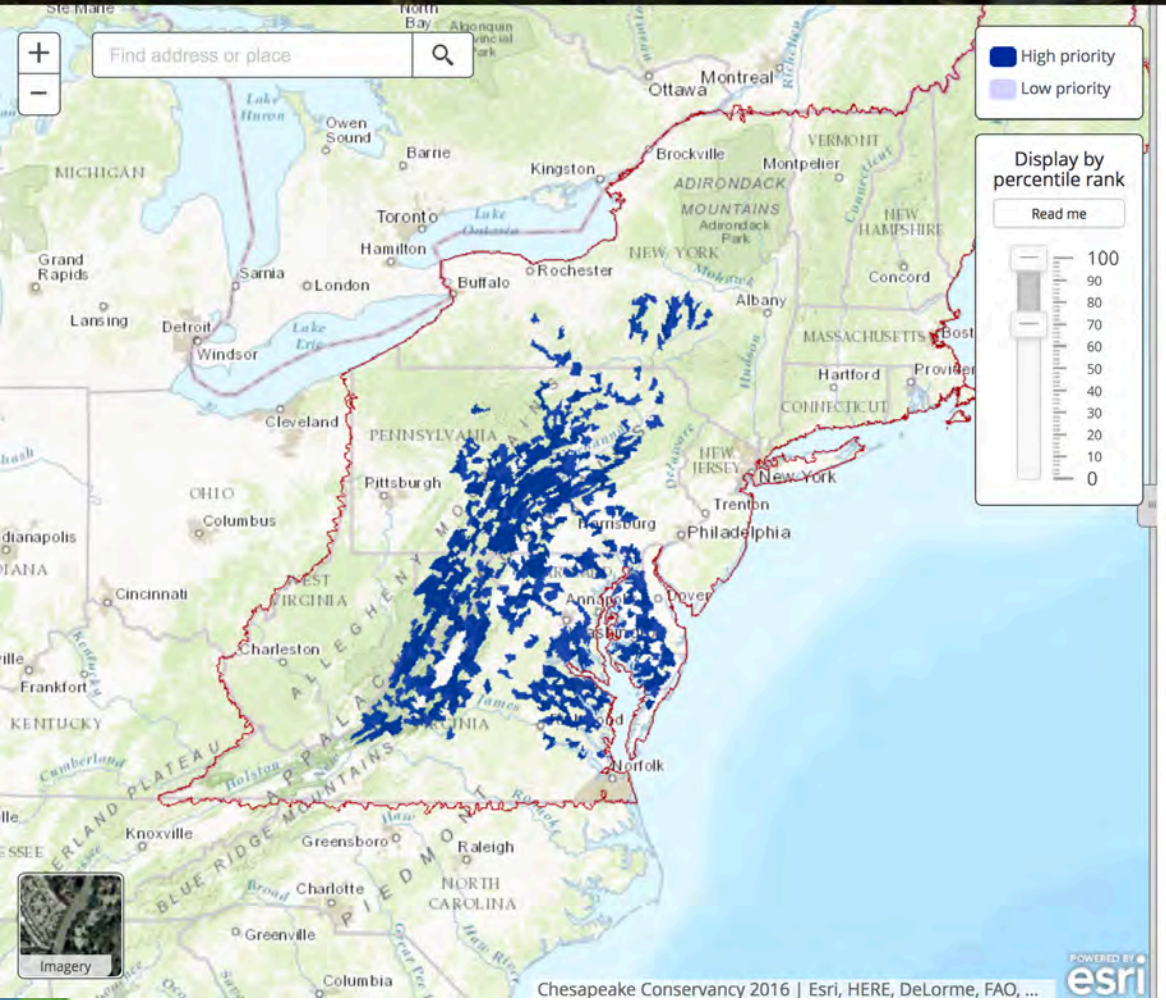
Display on left | Display on right | Sheet (CSV) | PDF

Custom model 3

Connector area : 6, SGCN condition top 1/3 : 10, Concentrated flow area : 6, SGCN condition middle 1/3 : 8, Diffuse flow area : 4, IEI Terrestrial bottom 1/3 : 3, IEI Terrestrial middle 1/3 : 3, Forest Cover : -10, Cultivated crops : 3, Pasture/hay : 3, IEI Metric Connectedness bottom 1/3 : 3

Display on left | Display on right | Sheet (CSV) | PDF

Results



Get New Result

Models

Please create a model and select "Get Results".

Custom model 1

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

Display on left | Display on right | Sheet (CSV) | PDF

Custom model 2

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

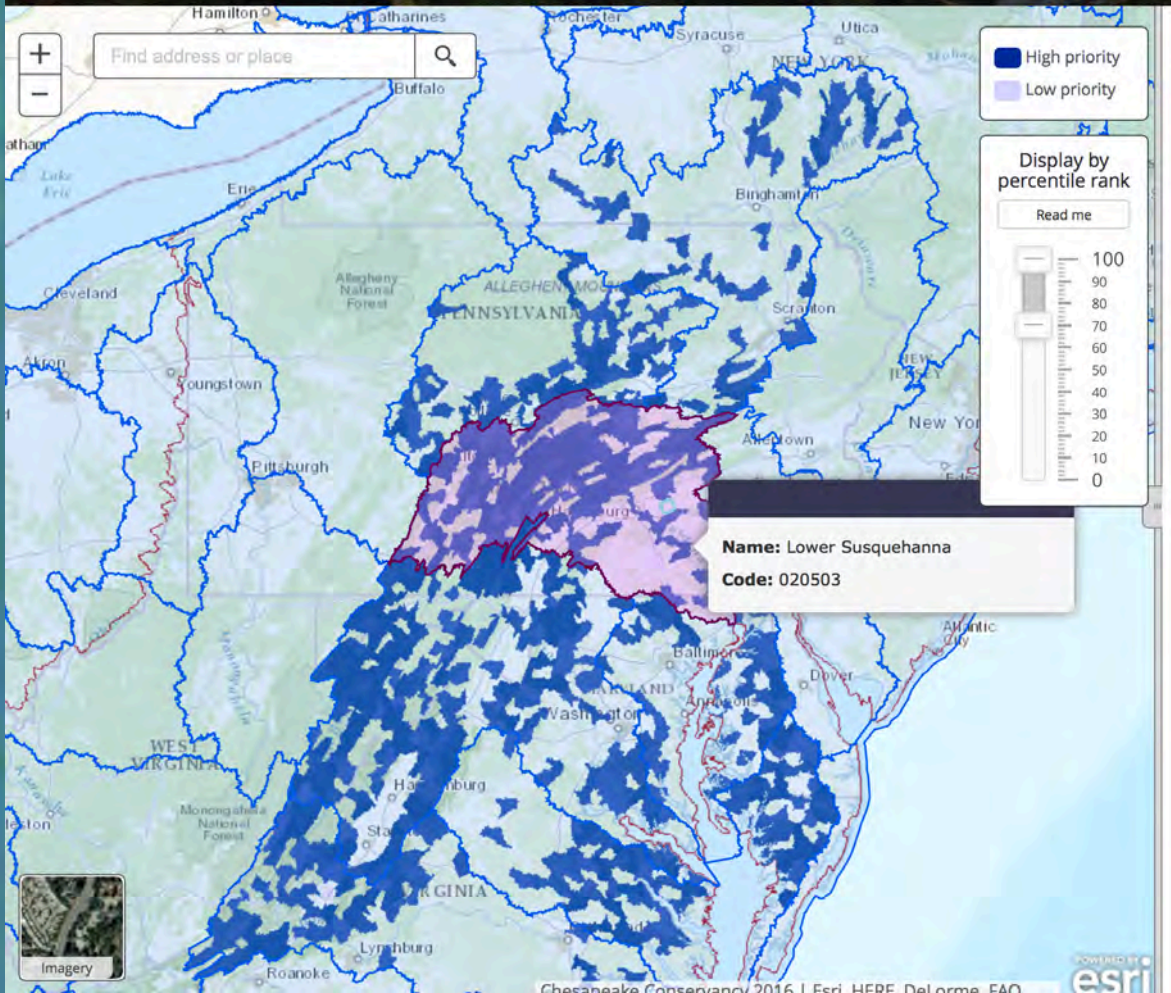
Display on left | Display on right | Sheet (CSV) | PDF

Custom model 3

Connector area : 6, SGCN condition top 1/3 : 10, Concentrated flow area : 6, SGCN condition middle 1/3 : 8, Diffuse flow area : 4, IEI Terrestrial bottom 1/3 : 3, IEI Terrestrial middle 1/3 : 3, Forest Cover : -10, Cultivated crops : 3, Pasture/hay : 3, IEI Metric Connectedness bottom 1/3 : 3

Display on left | Display on right | Sheet (CSV) | PDF

Results



Sandbox

Parameters

1. Select planning unit and geography

Remove

Lower Susquehanna (020503)

2. Select metrics

11 items selected

3. Specify weights (1-10)

What do the weights mean?

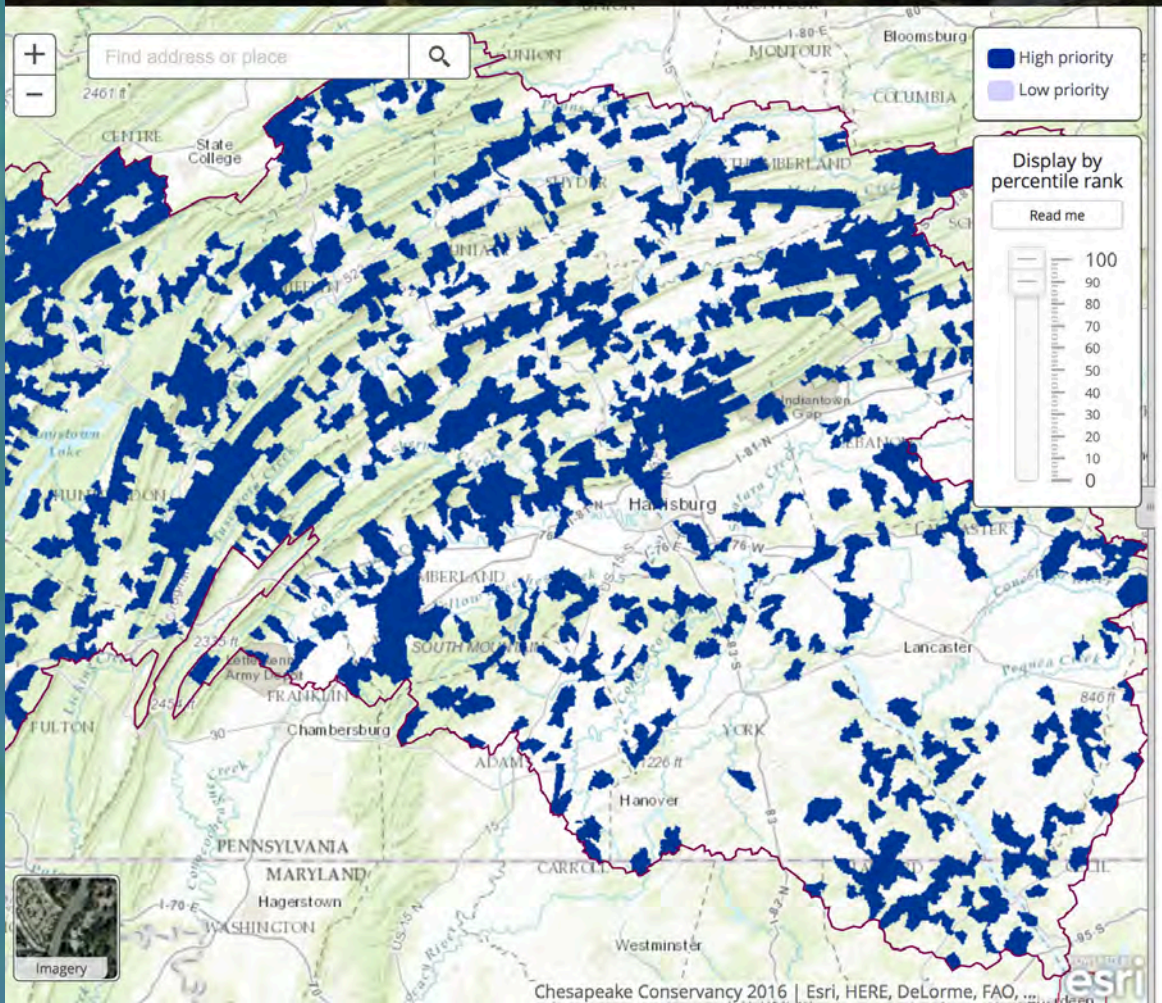
Connector area — Remove
Positive 6

SGCN condition top 1/3 — Remove
Positive 10

Concentrated flow area — Remove
Positive 6

SGCN condition middle 1/3 — Remove
Positive 8

Diffuse flow area — Remove
Positive 4



Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

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Custom model 2

Core area : 2, Connector area : 1, SGCN condition top 1/3 : 2, Concentrated flow area : 1

Display on left | Display on right | Sheet (CSV) | PDF

Custom model 3

Connector area : 6, SGCN condition top 1/3 : 10, Concentrated flow area : 6, SGCN condition middle 1/3 : 8, Diffuse flow area : 4, IEI Terrestrial bottom 1/3 : 3, IEI Terrestrial middle 1/3 : 3, Forest Cover : -10, Cultivated crops : 3, Pasture/hay : 3, IEI Metric Connectedness bottom 1/3 : 3

Display on left | Display on right | Sheet (CSV) | PDF

Custom model 4

Connector area : 6, SGCN condition top 1/3 : 10, Concentrated flow area : 6, SGCN condition middle 1/3 : 8, Diffuse flow area : 4, IEI Terrestrial bottom 1/3 : 3, IEI Terrestrial middle 1/3 : 3, Forest Cover : -10, Cultivated crops : 3, Pasture/hay : 3, IEI Metric Connectedness bottom 1/3 : 3

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Results

Demonstration

Discussion

Links

Website for RCOA Version 1.0:
http://rcoa.cicapps.org

Webinar series summary and archive:
http://rcoa.cicapps.org/news-and-info/