



# Urban Stormwater Phase 7 Boundary Update

Chesapeake Bay Program Urban Stormwater Workgroup Meeting

September 16, 2025

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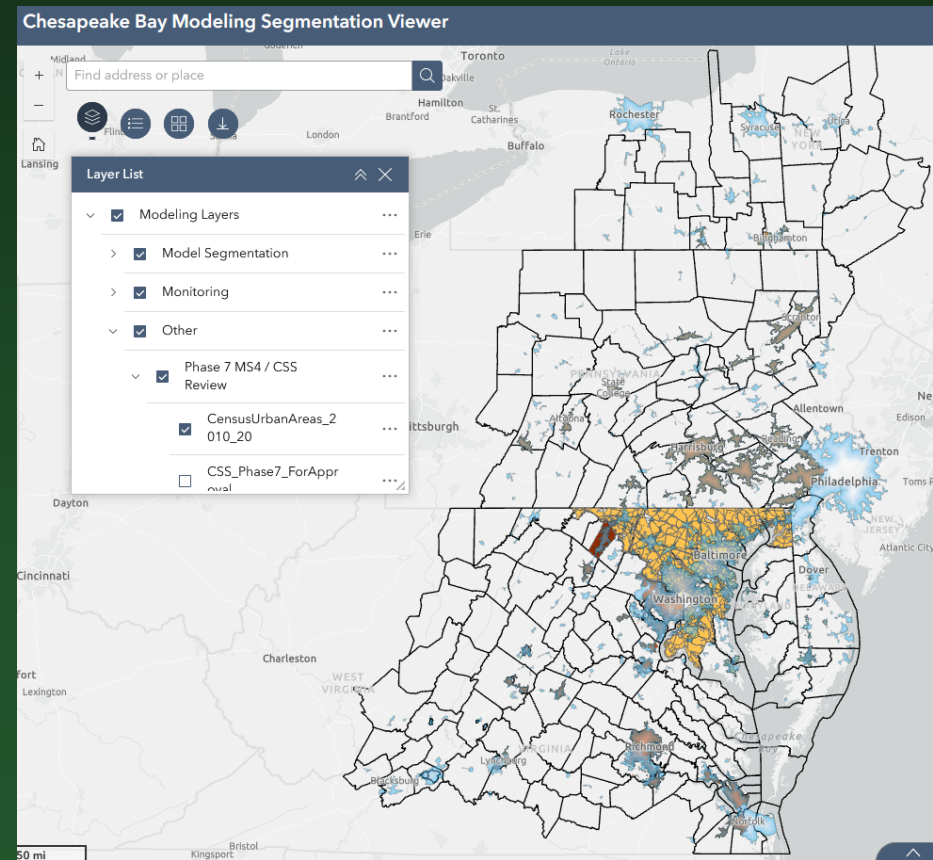
U.S. Department of the Interior  
U.S. Geological Survey<sup>1</sup>

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# Data Viewer:



- <https://gis.chesapeakebay.net/modeling/>



# MS4 Update

State	Phase 7 Boundary Updates
Delaware	Updated using the municipalities provided by Delaware DEQ
District of Columbia	Used Existing Phase 6 boundaries
Maryland	Updated boundaries provided by Maryland DEQ
New York	Used Existing Phase 6 boundaries
Pennsylvania	Updated boundaries using State provided data portal
Virginia	Phase 6 boundaries used. Updated boundaries available early 2026
West Virginia	Updated linework was converted to polygons and verified with State contacts

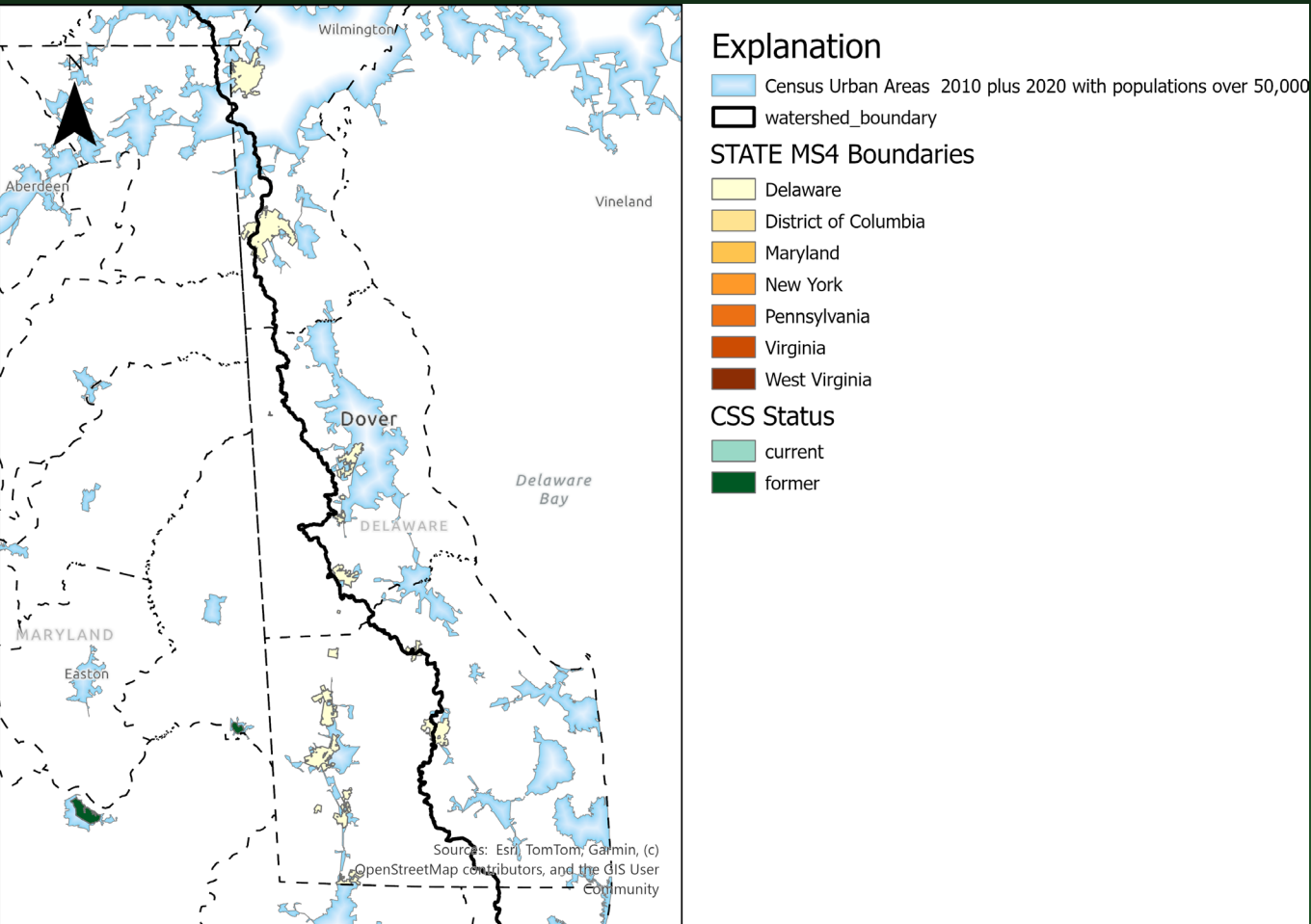
# MS4 Update: Area

State	Area (Hectares)
Delaware	13,865
District of Columbia	6,133
Maryland	1,227,624
New York	22,958
Pennsylvania	431,739
Virginia*	303,061
West Virginia*	66,325
Total	2,071,704

\*Updates expected early 2026 or sooner

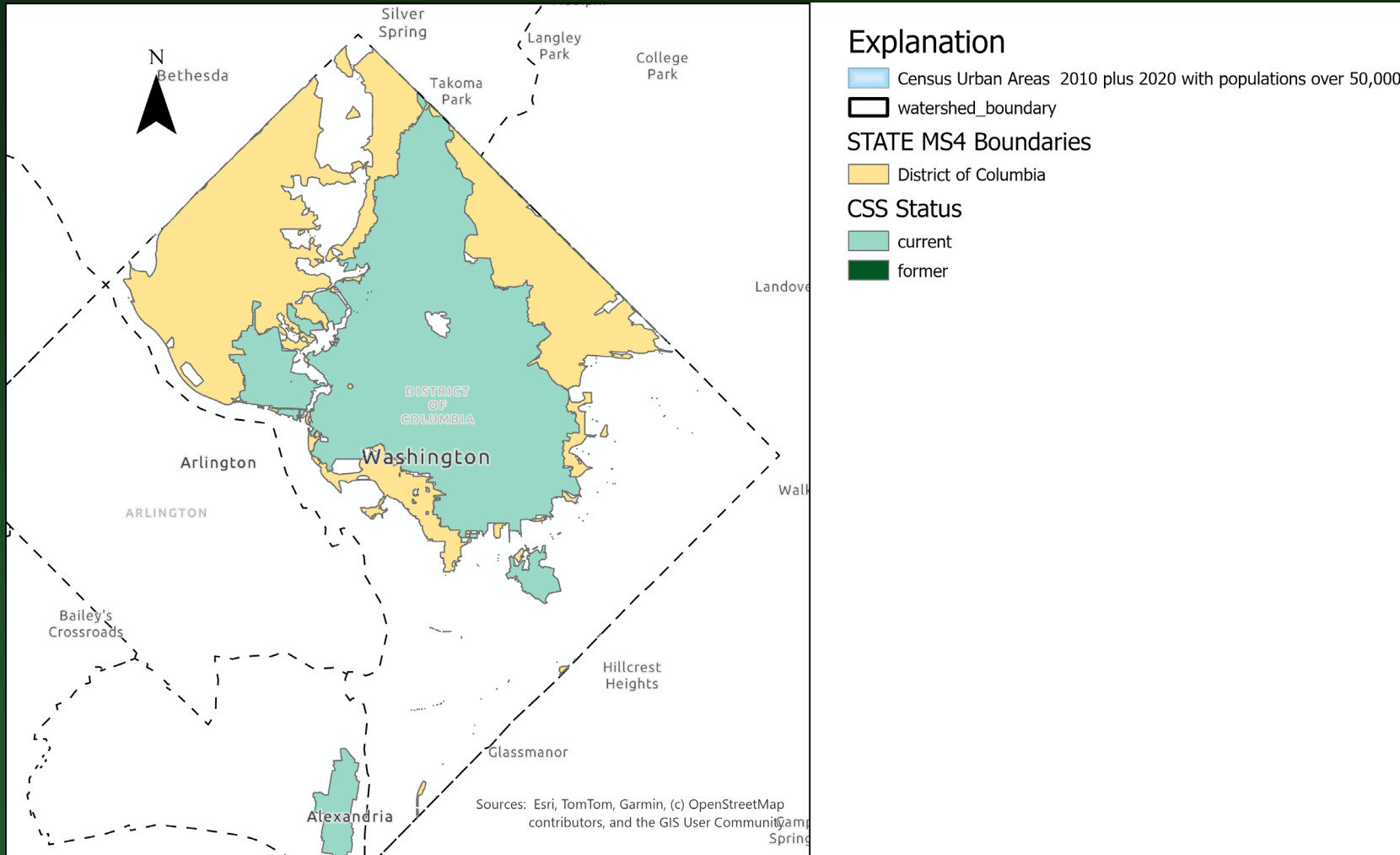


# Delaware



- Updated using the municipalities provided by DEQ
  - Seaford is no longer operating their CSS, moving their stormwater controls to MS4
  - 13,865 Hectares in the watershed and adjoining counties

# District of Columbia

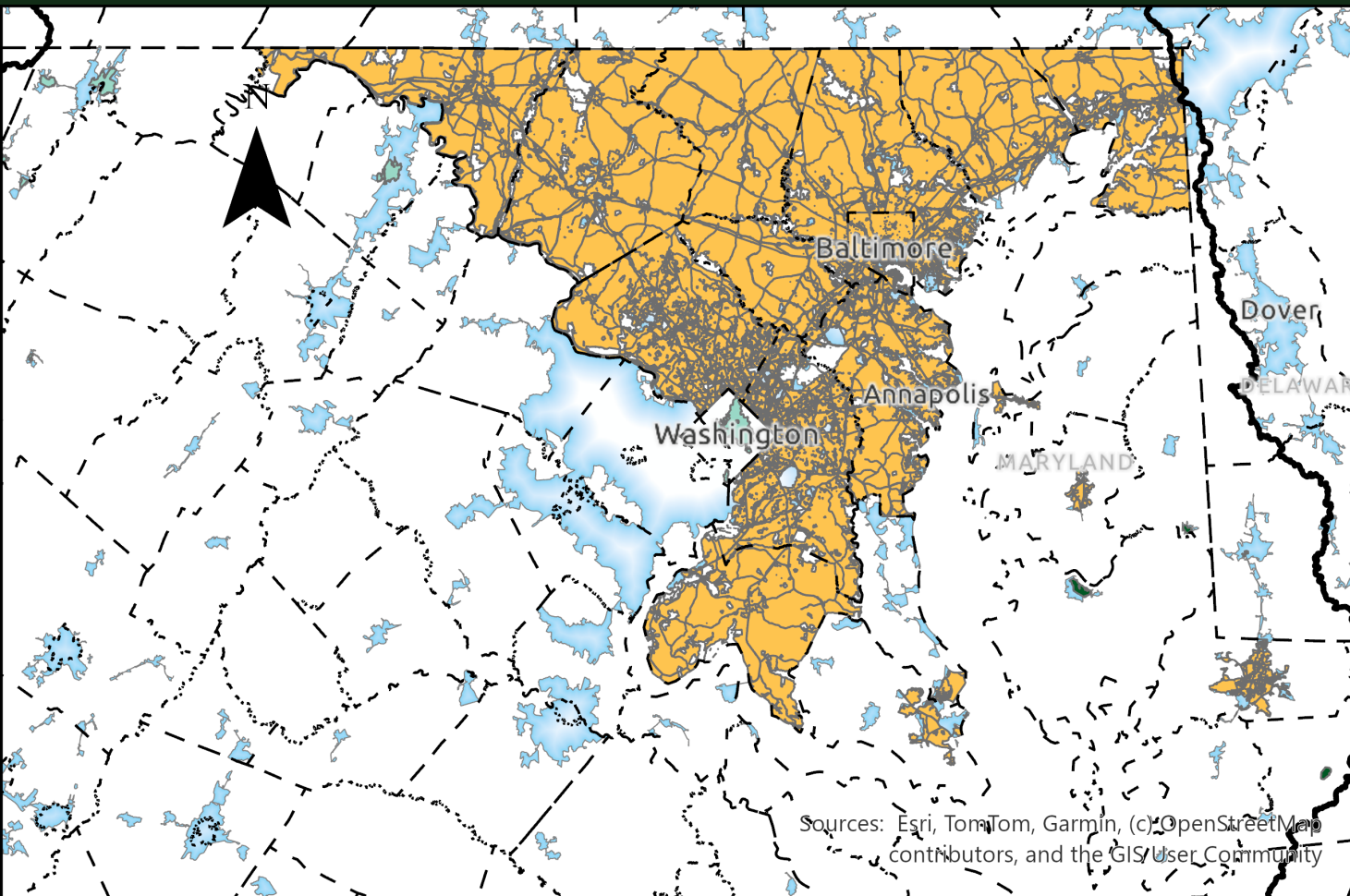


- No new boundaries: used existing Phase 6 boundaries

# Maryland

- **Maryland provided 4 MS4 boundary datasets that have been updated in the MS4 data for Phase 7.**
  - **State Highway Authority MS4**
  - **MS4 Jurisdictions**
  - **Phase 2 MS4 State**
  - **Phase 2 MS4 Municipalities**

# Maryland



## Explanation

 Census Urban Areas 2010 plus 2020 with populations over 50,000

 watershed\_boundary

## STATE MS4 Boundaries

 Delaware

 District of Columbia

 Maryland

 New York

 Pennsylvania

 Virginia

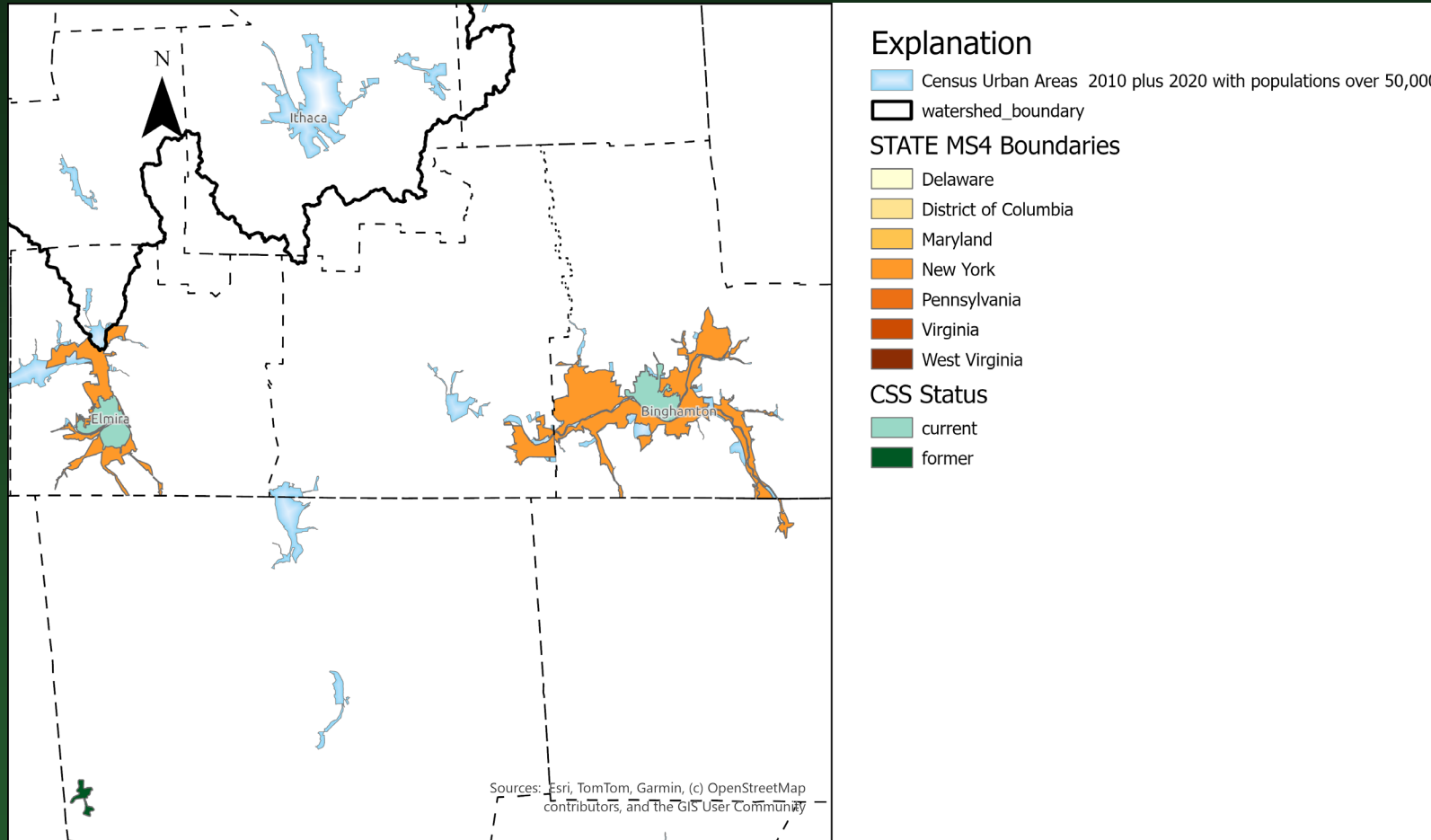
 West Virginia

## CSS Status

 current

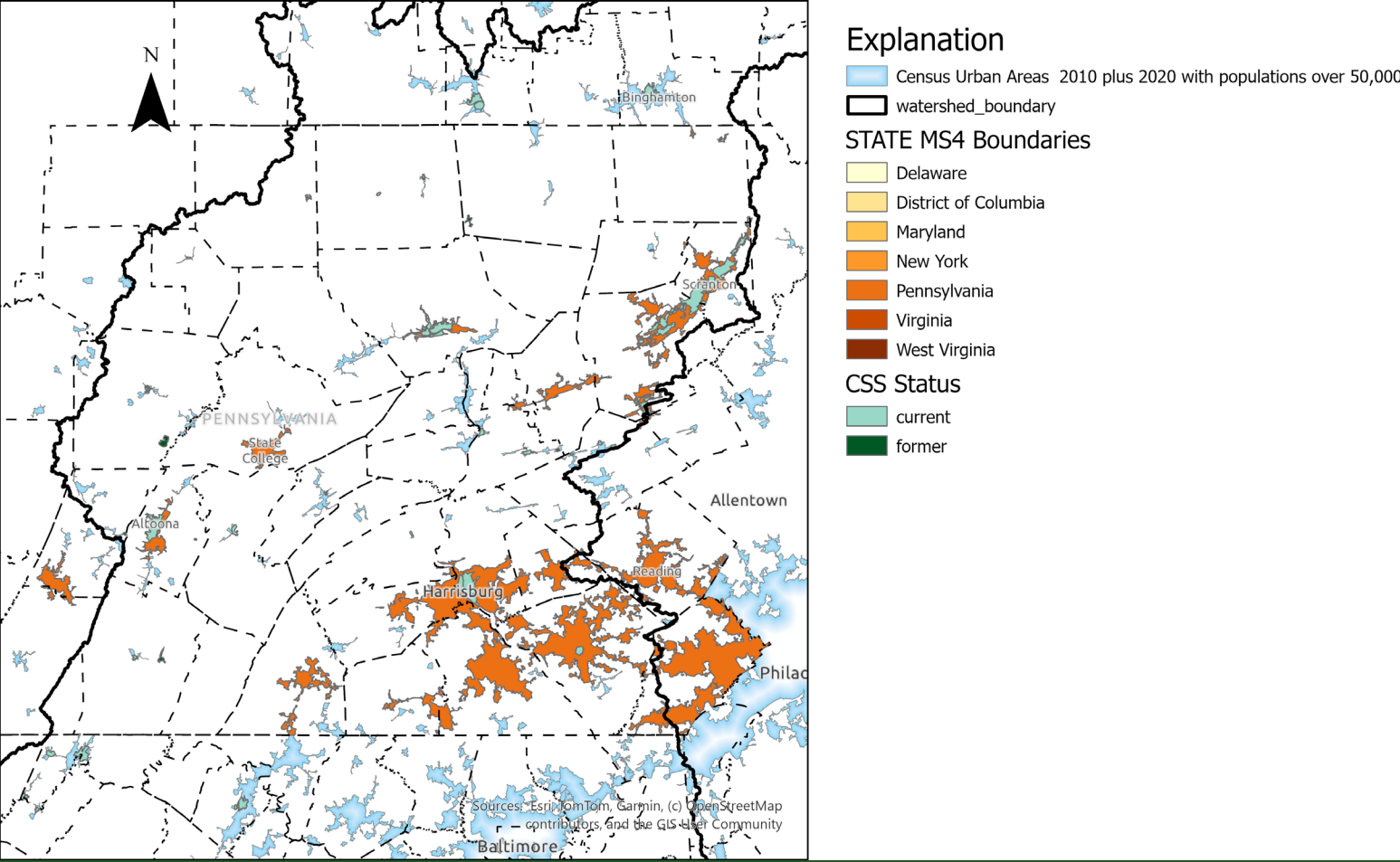
 former

# New York



- No new boundaries: used existing Phase 6 boundaries
- Changes expected sometime in the future, timeline unclear.

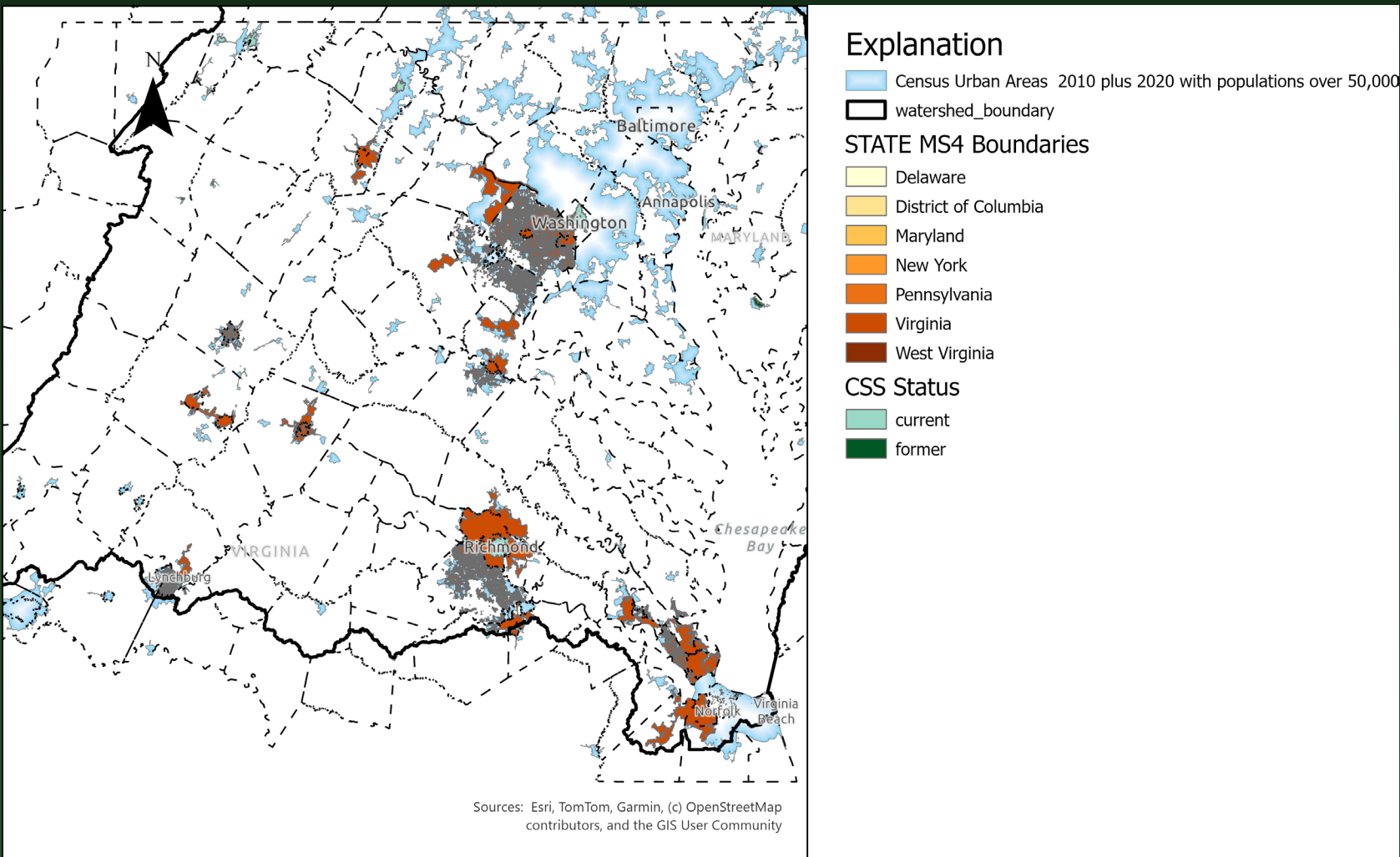
# Pennsylvania



- Updated boundaries using State-provided data portal



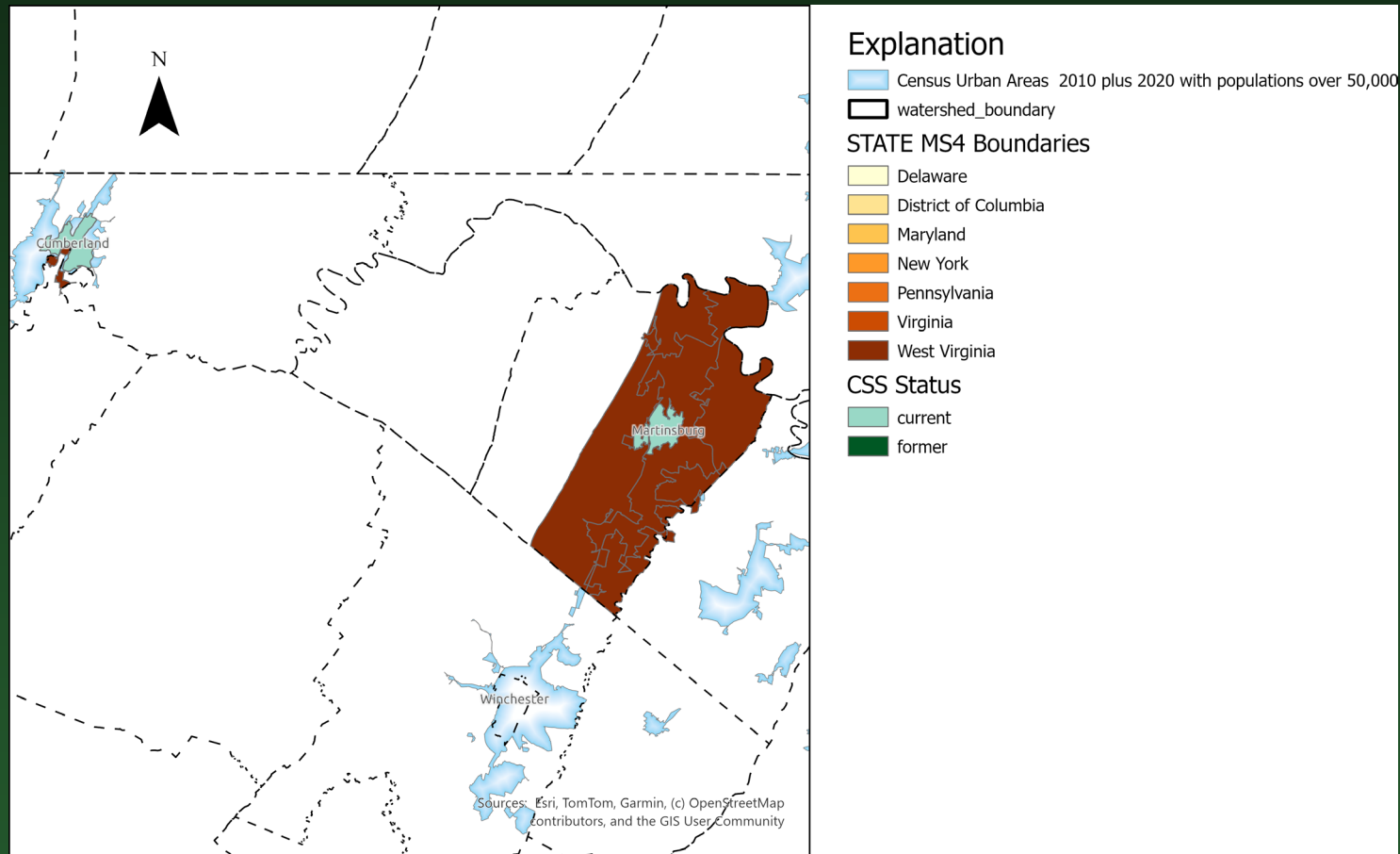
# Virginia



- Phase 6 boundaries used.
- Updated boundaries available early 2026?



# West Virginia



- Updated linework was converted to polygons and verified with State contacts
- Potential updated boundaries for the city of Martinsburg, but still awaiting confirmation

# MS4 Overview

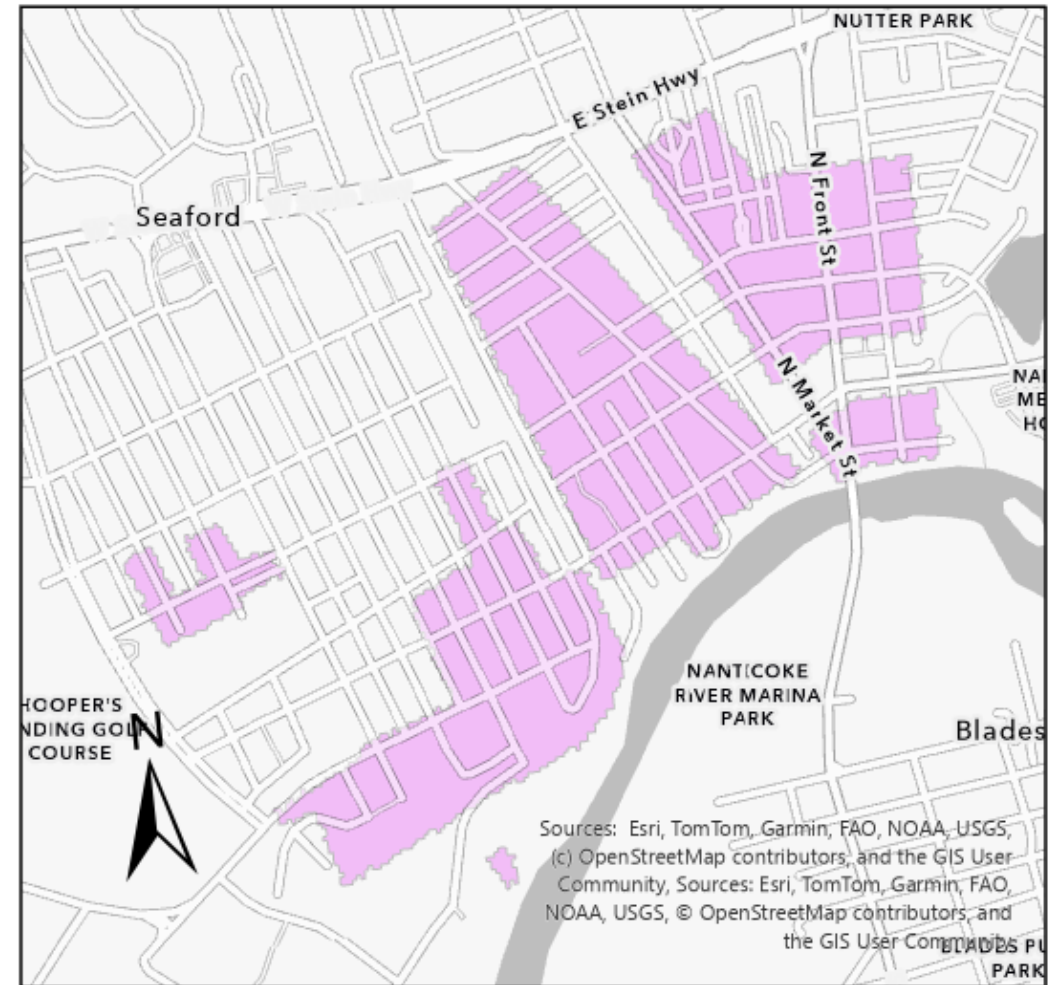
- The preliminary MS4 coverage layer for the Chesapeake Bay Watershed for Phase 7 modeling is ready for approval
  - The timeline for updates needs to be revised

# Combined Sewer Systems

State	Active (Hectares)	Former (Hectares)
Delaware	0	64
District of Columbia	5,102	0
Maryland	2,847	1,849
New York	5,136	0
Pennsylvania	42,231	3,436
Virginia	7,436	221
West Virginia	2,049	121
<b>Total</b>	<b>64,801</b>	<b>5,692</b>

# Delaware

- Seaford is the only CSS we have for Delaware, and it is classified as a former combined sewer system.



## Explanation

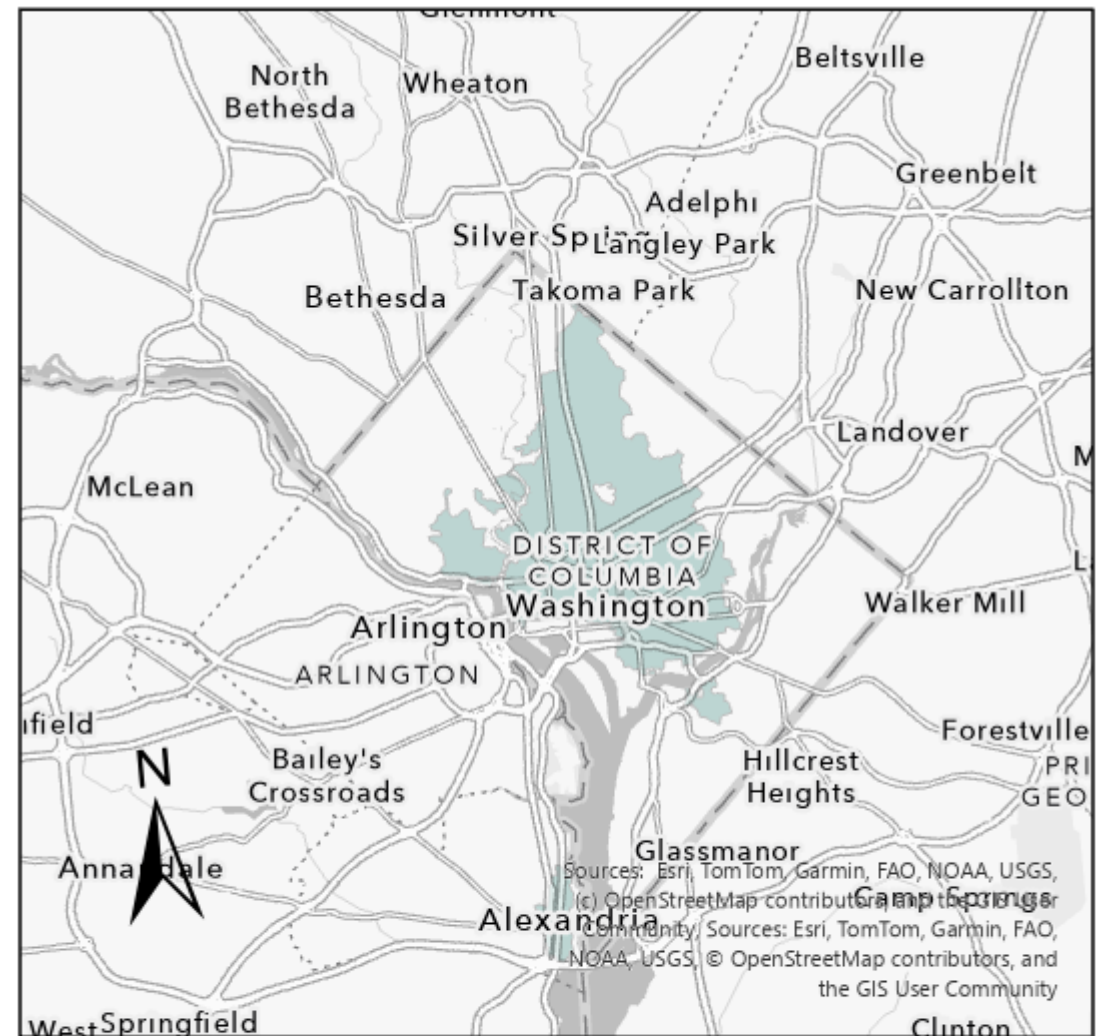
### Existence

current

former

# District of Columbia

- CSS area remains current and unchanged from version 6.



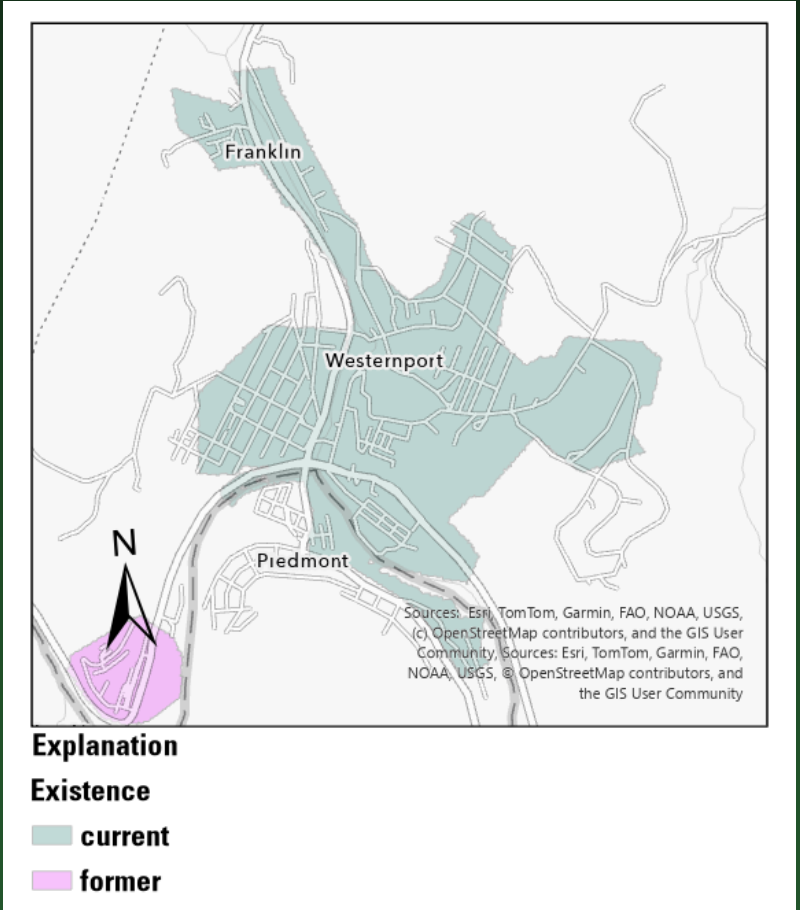
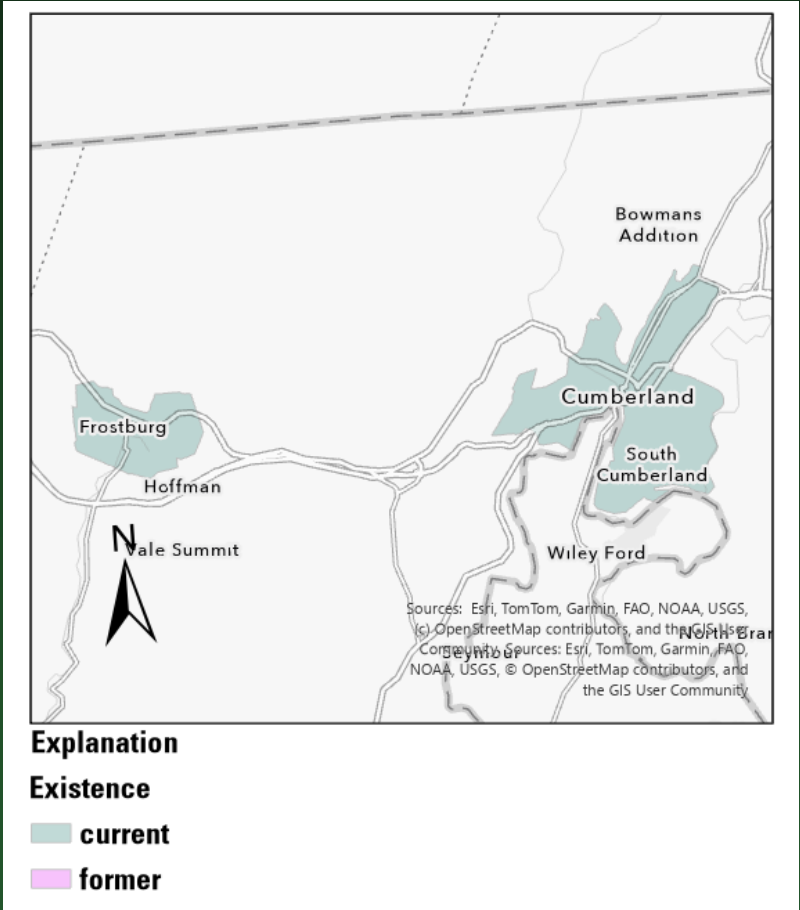
## Explanation

- Existence
- current
  - former

# Maryland

- Maryland has indicated it has 3 current CSS communities in Cumberland, Westernport, and Frostburg.
- The former CSS communities that have achieved separation are:
  - Baltimore
  - Cambridge
  - Federalsburg
  - Luke
  - Salisbury
  - Snow Hill

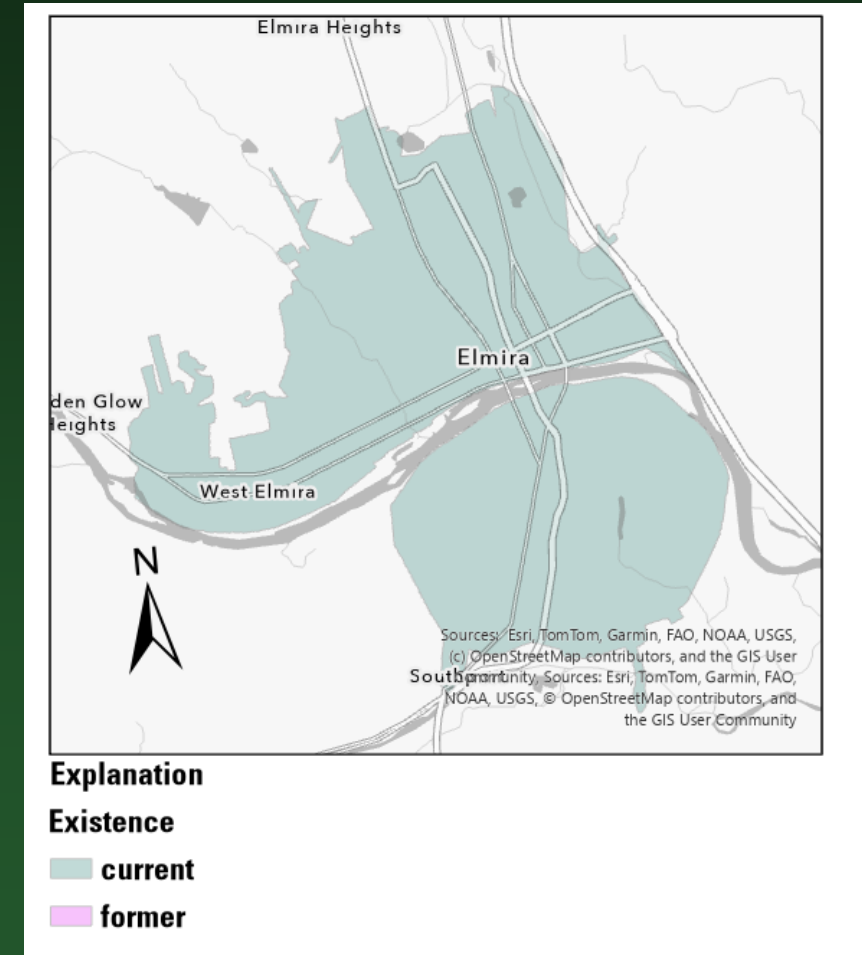
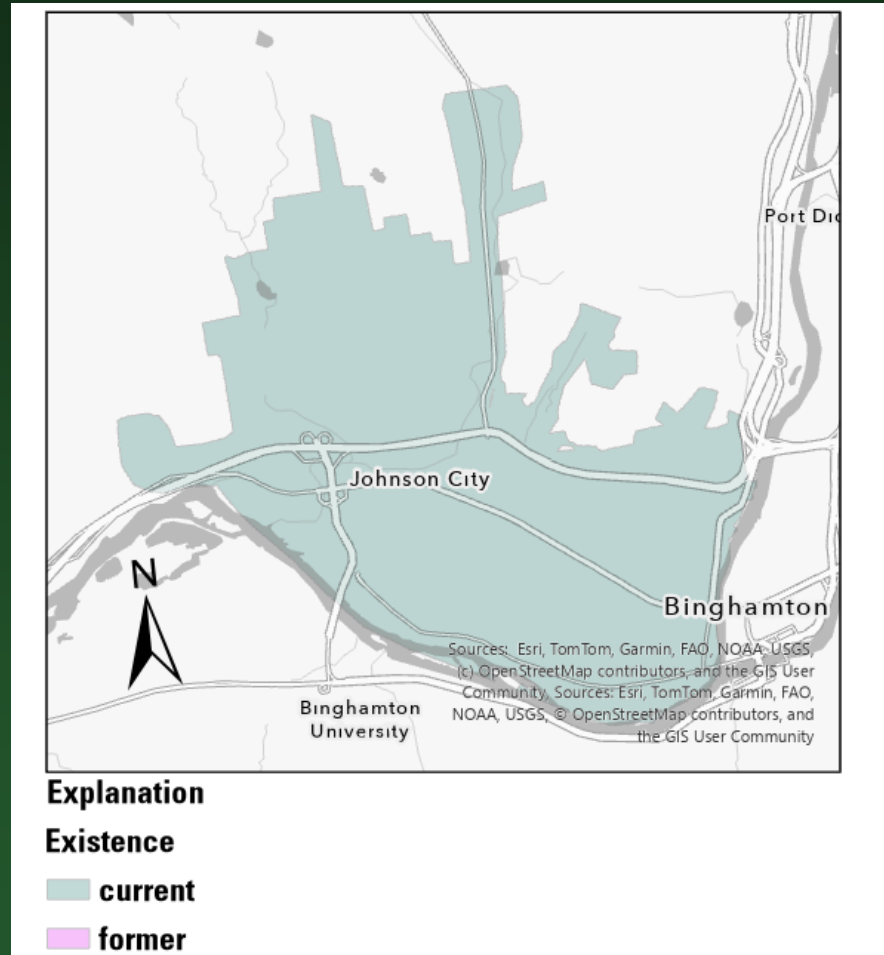
# Maryland





# New York

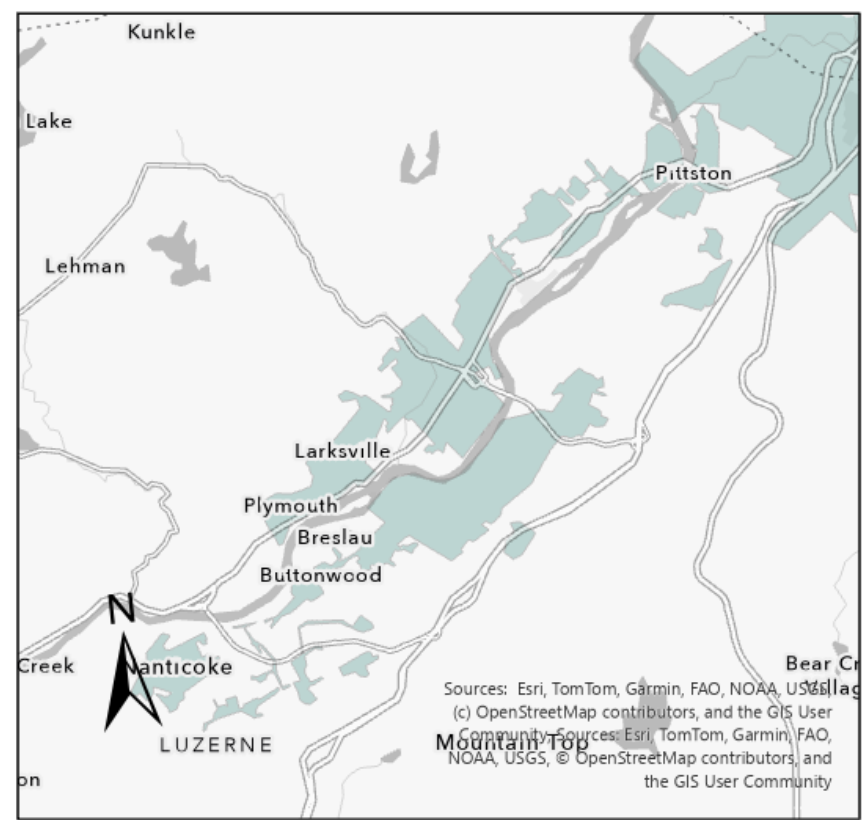
New York has two current CSS communities, Binghamton/Johnson City and Elmira.



# Pennsylvania

- **Pennsylvania has 32 current and former CSS communities.**
  - **10 former CSS**
    - Berwick, Burnham, Canton, Everett, Gallitzen, Houtzdale, Marysville, Mount Carmel, Tunkhannock, and Williamsburg
  - **22 Current CSS**
    - Altoona, Ashland, Bedford, Clearfield, Emporium, Galeton, Harrisburg, Hazleton, Hollidaysburg, Huntingdon, Lancaster, Mansfield, Newport, Ranshaw, Scranton, Shamokin, Shenandoah, Sunbury, Susquehanna Depot, Uniontown, Wellsboro, Williamsport, Forest City

# Pennsylvania: Scranton

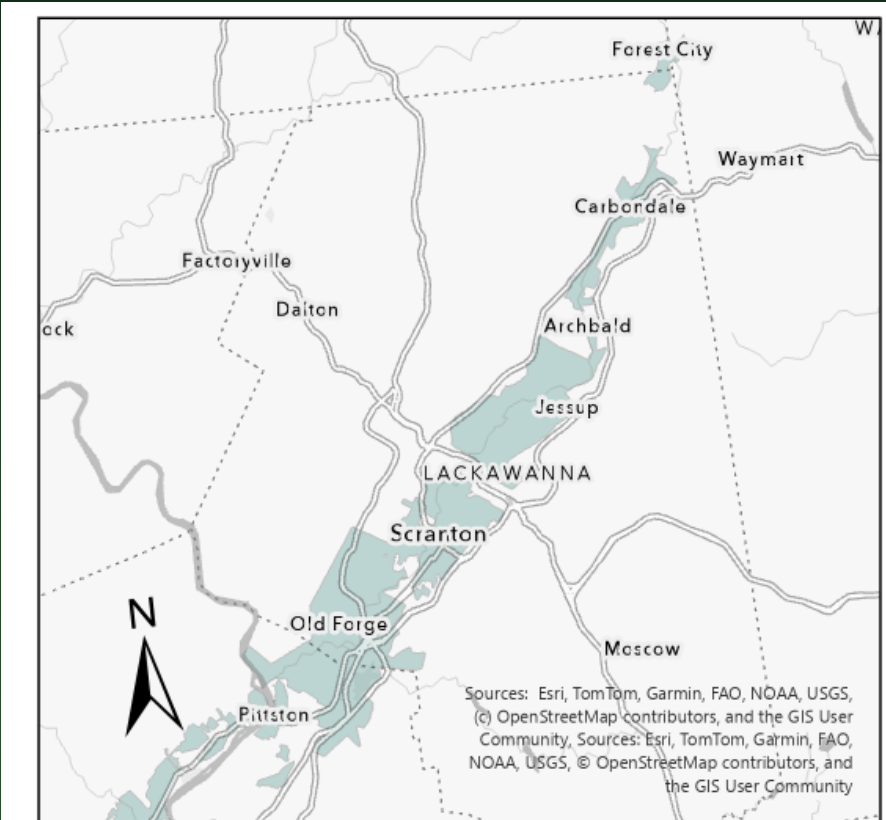


## Explanation

### Existence

current

former



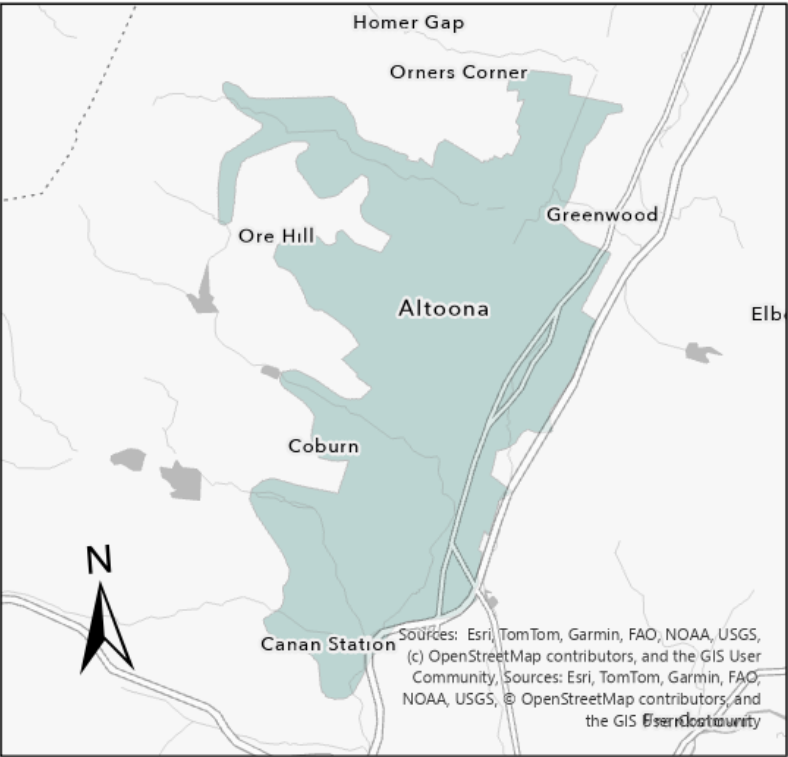
## Explanation

### Existence

current

former

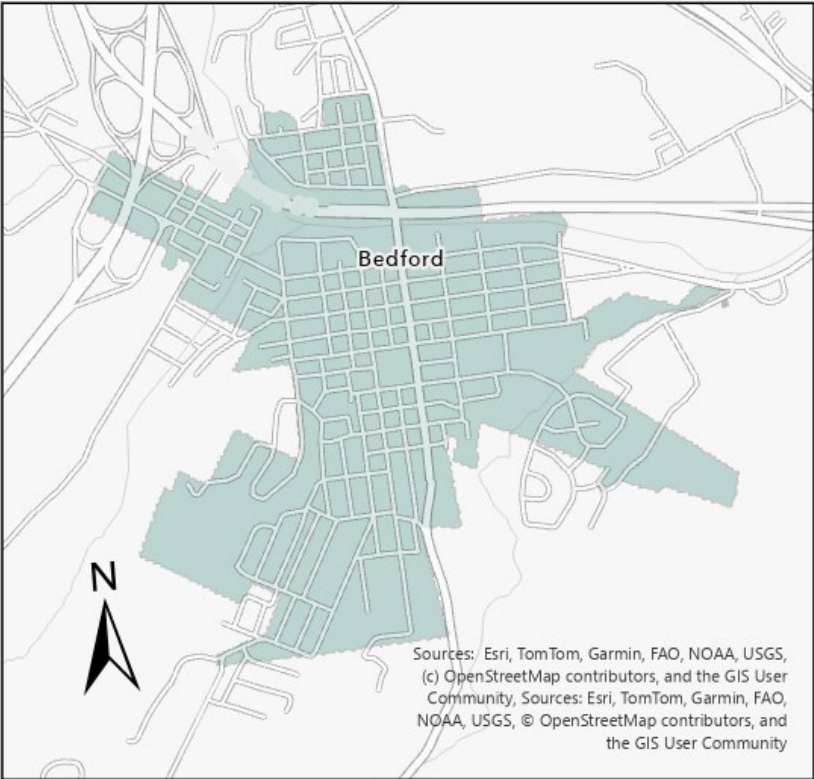
# Pennsylvania



**Explanation**

**Existence**

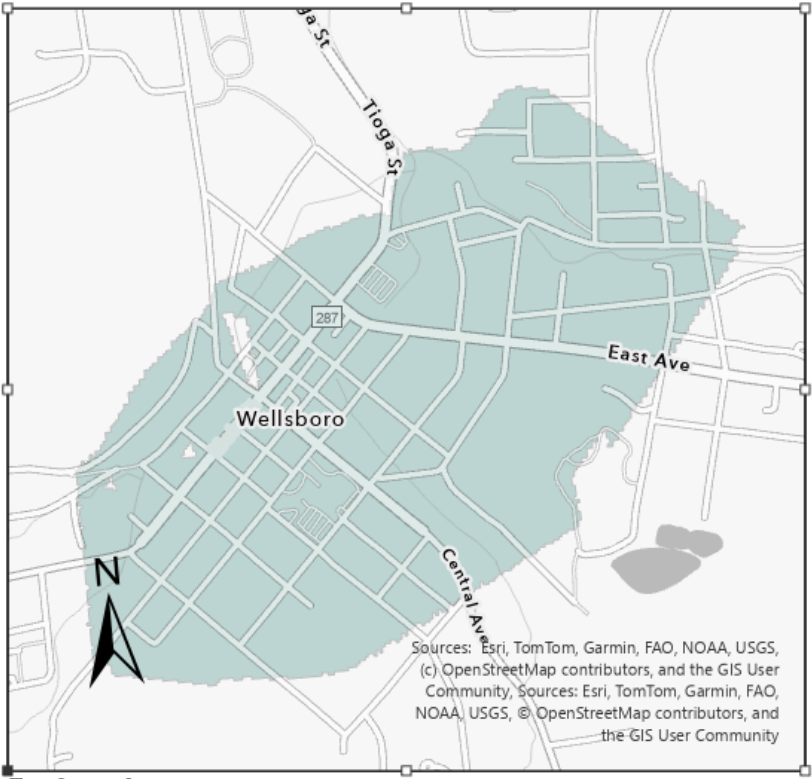
- current
- former



**Explanation**

**Existence**

- current
- former



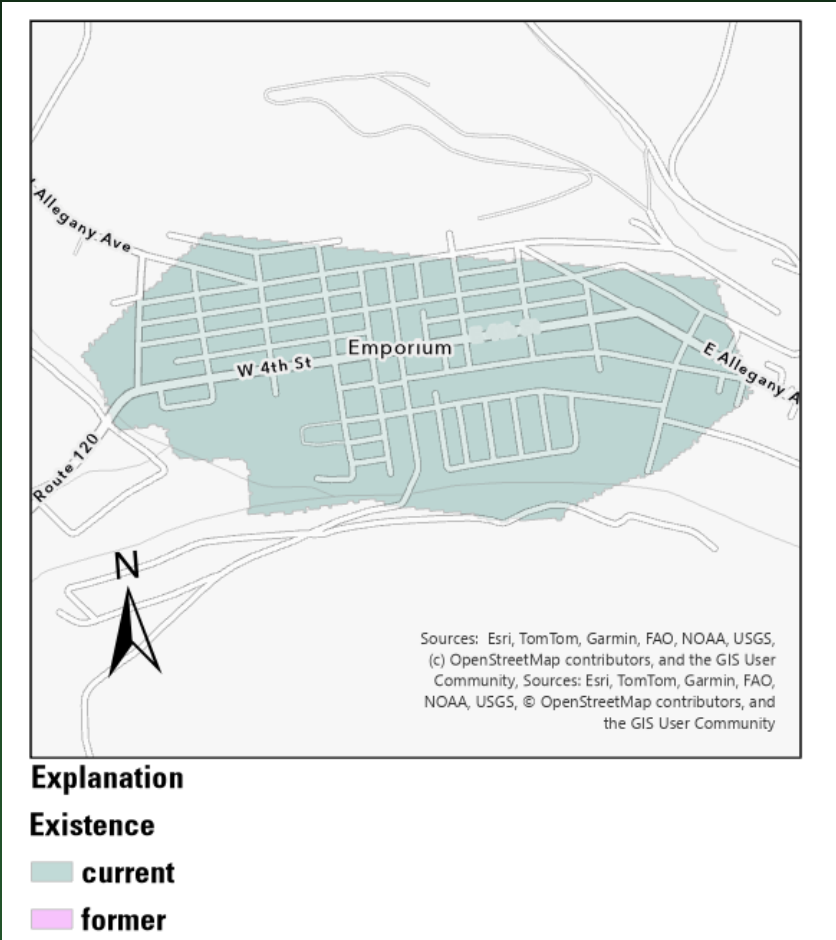
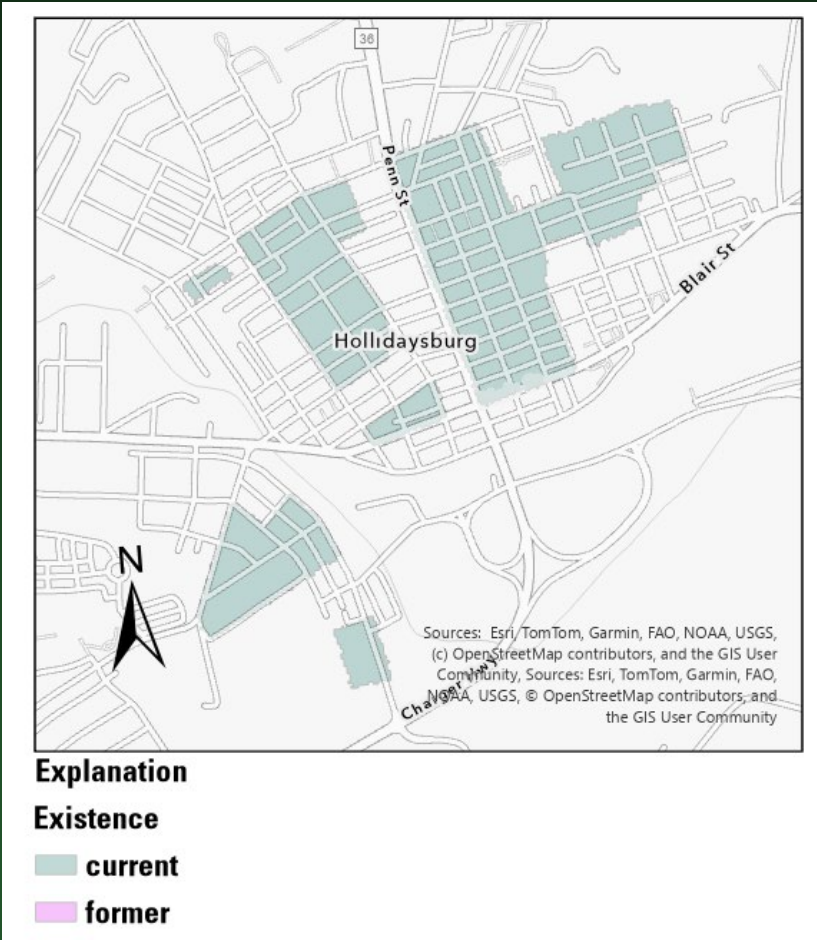
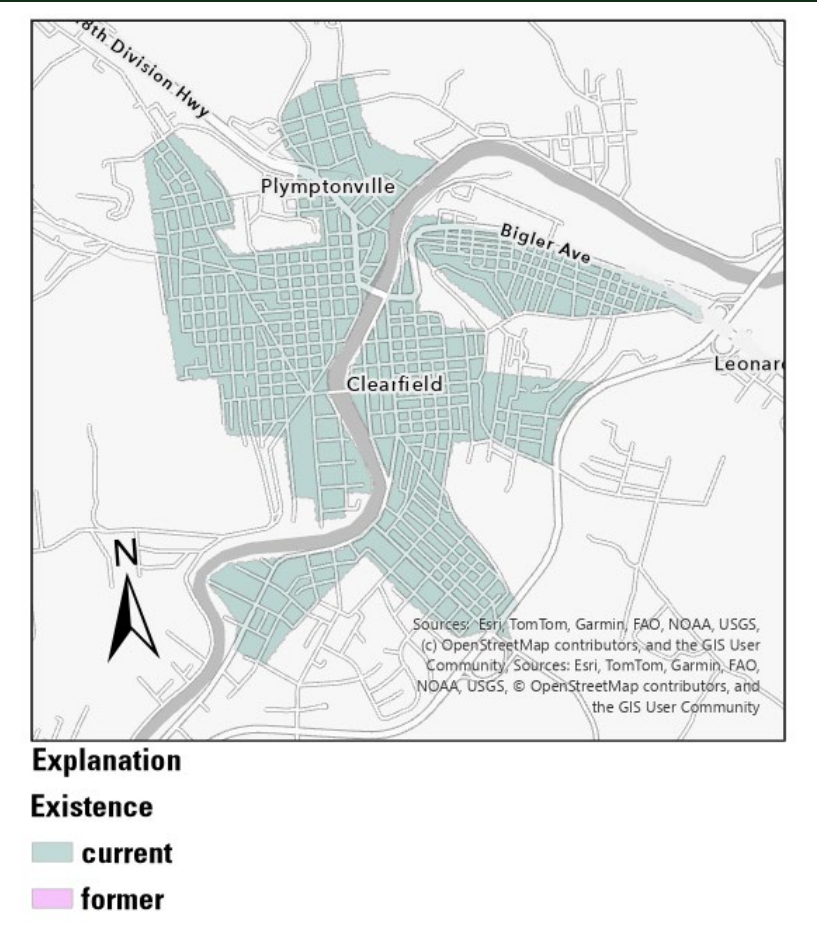
**Explanation**

**Existence**

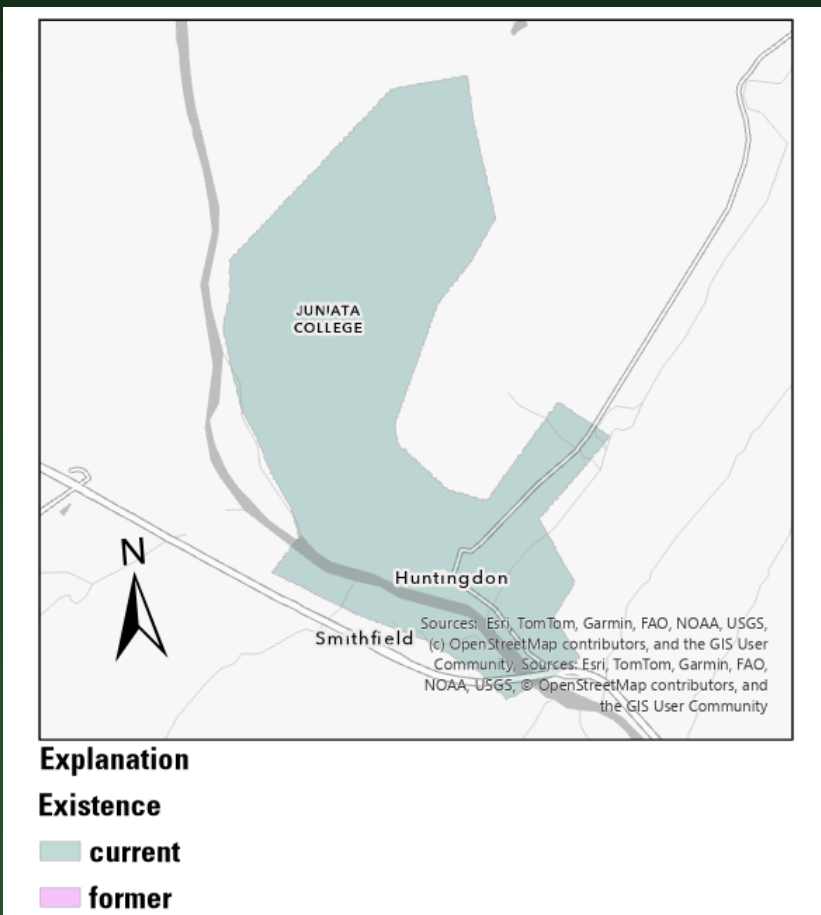
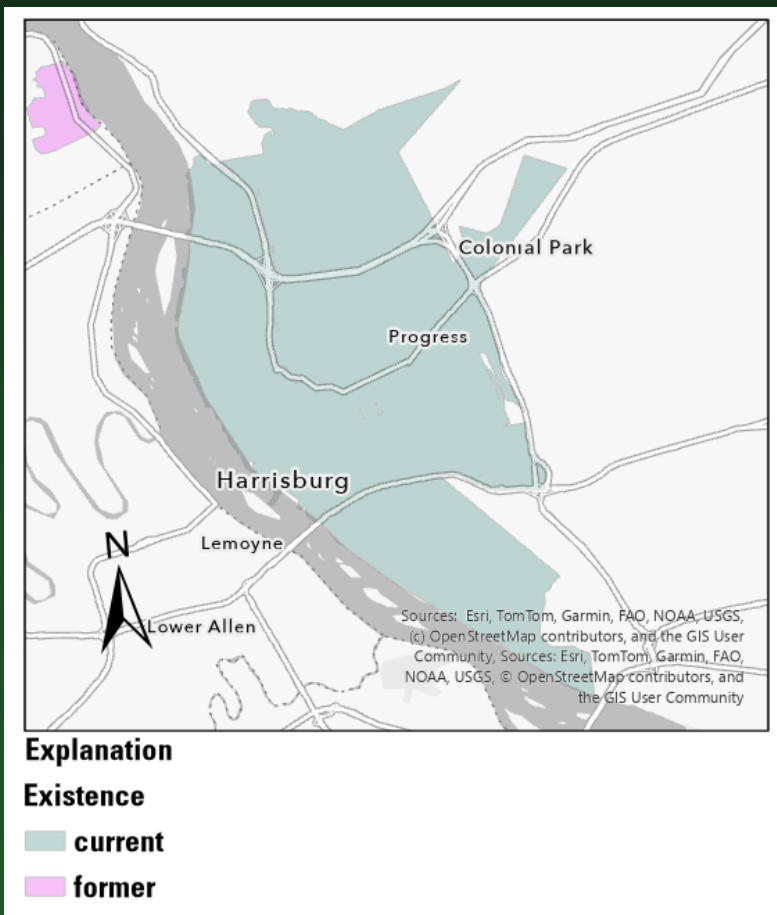
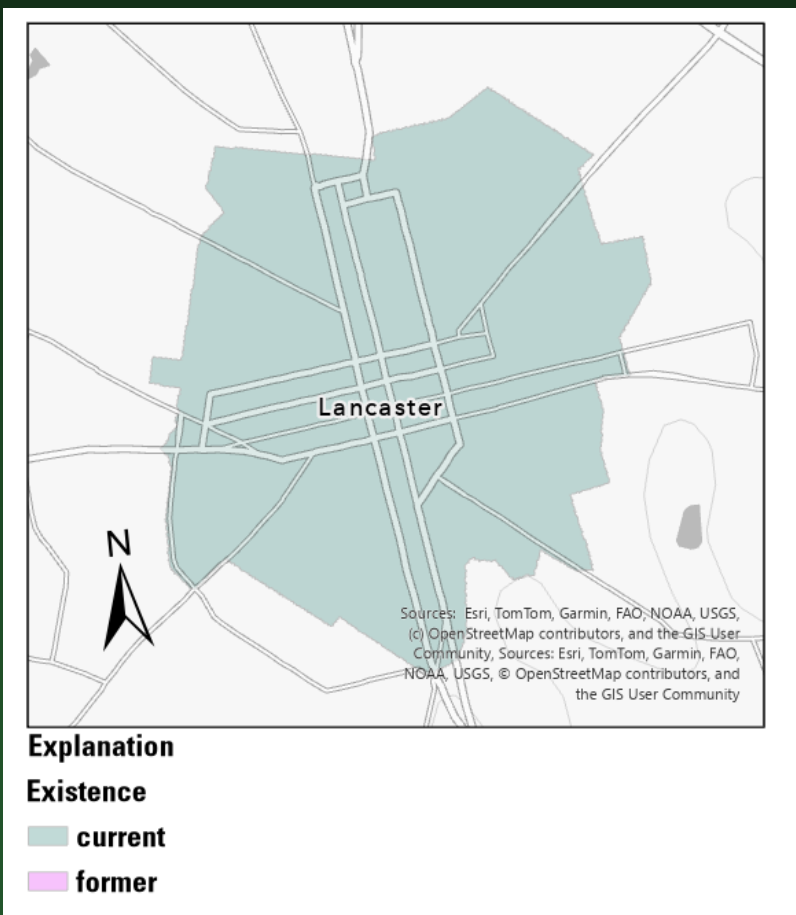
- current
- former



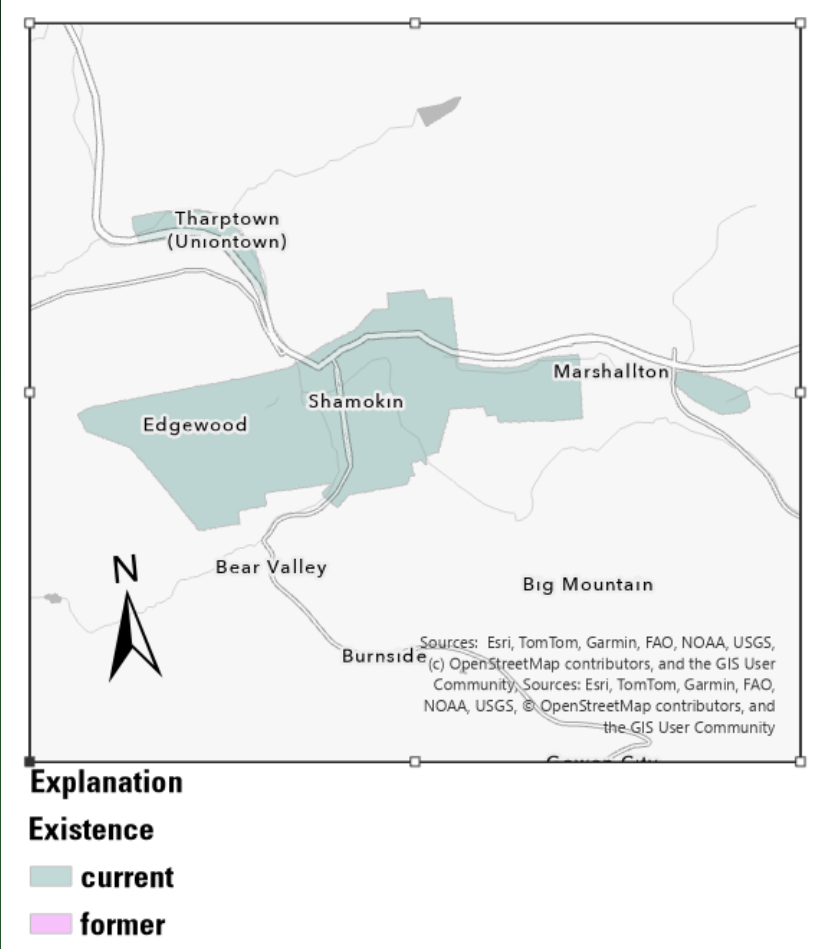
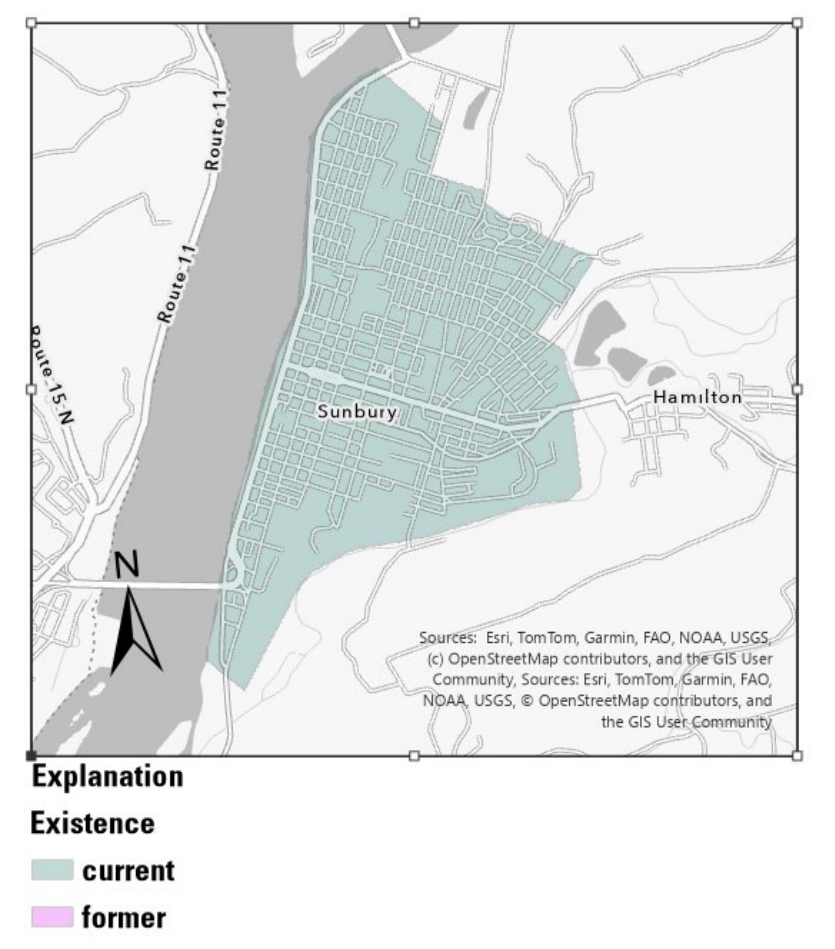
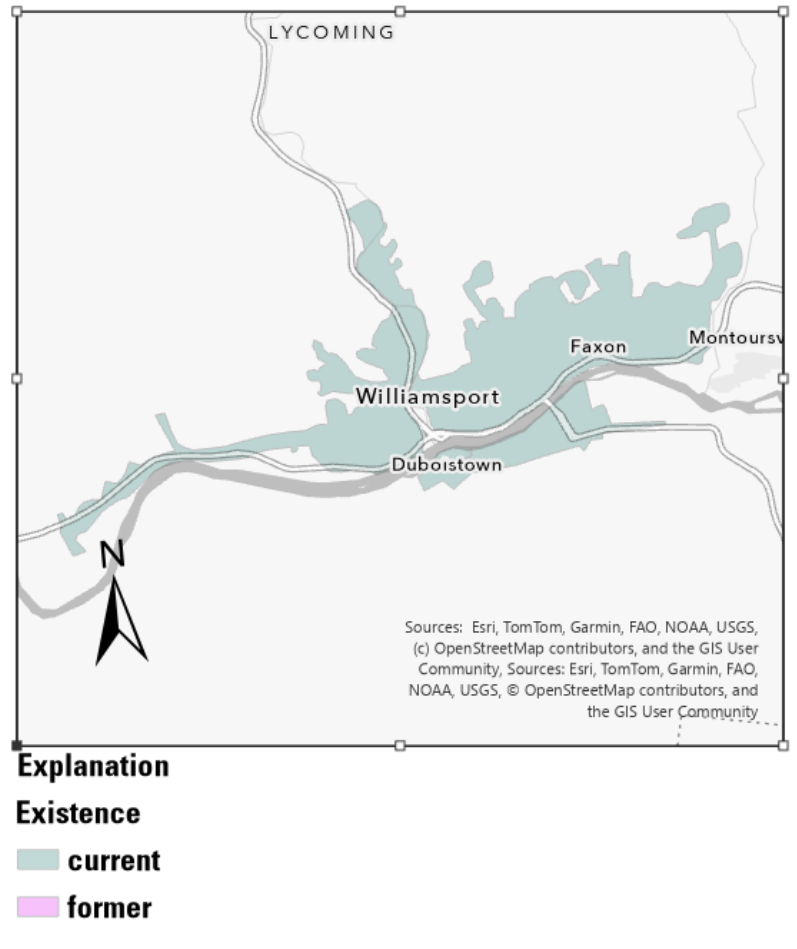
# Pennsylvania



# Pennsylvania

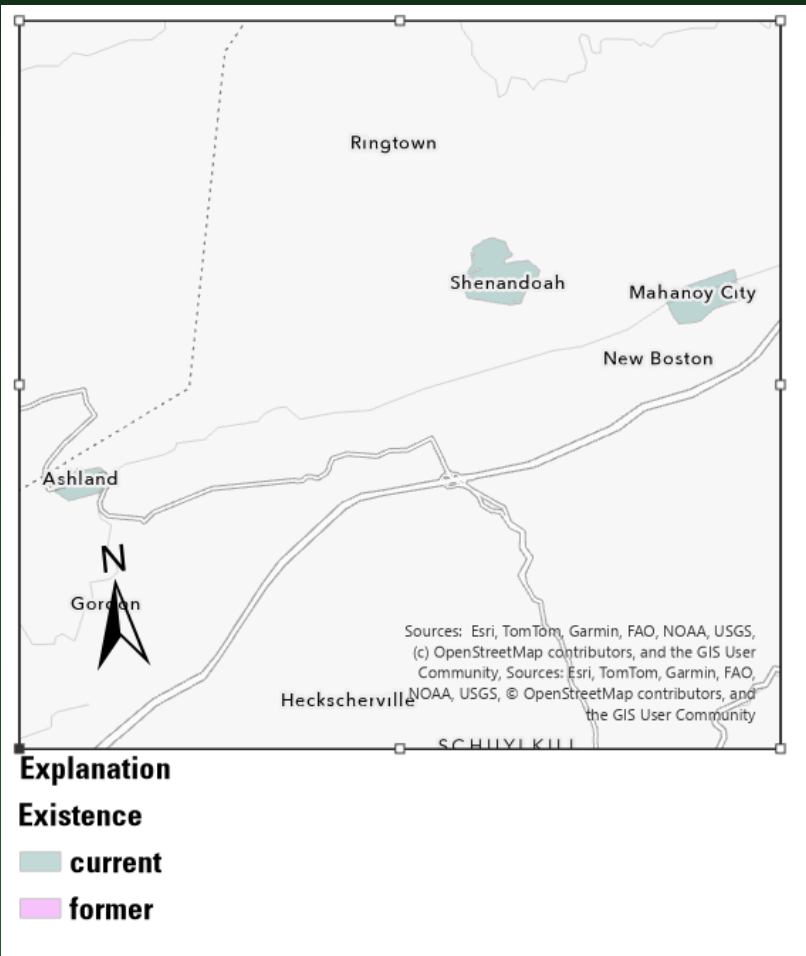
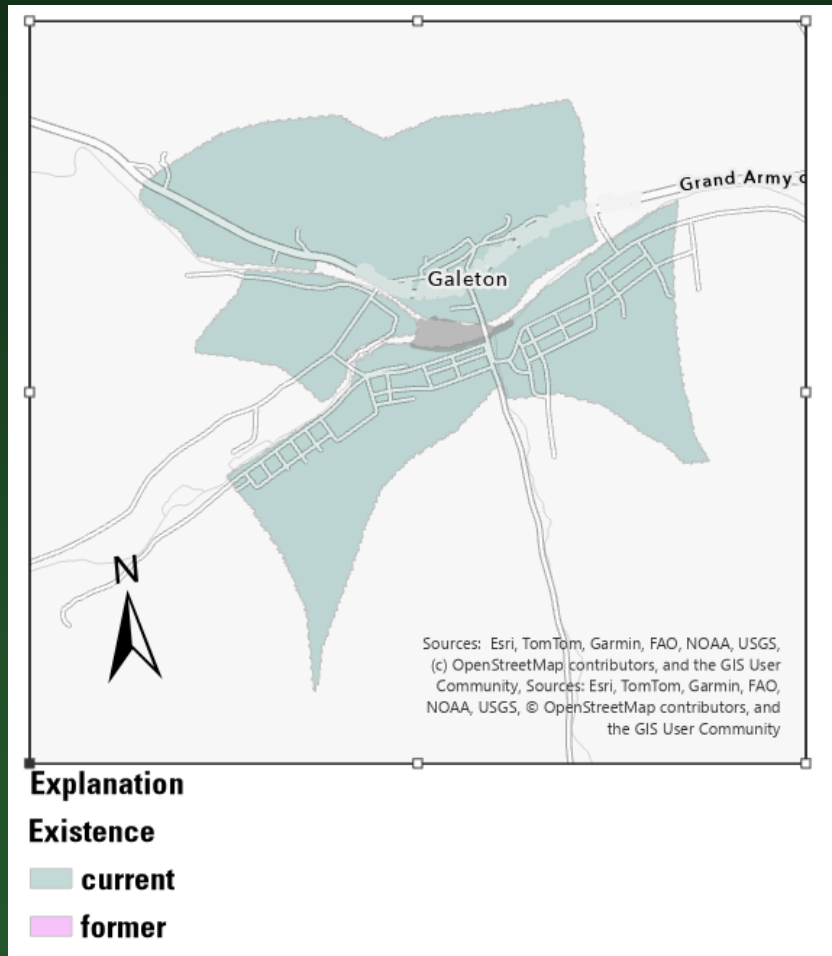
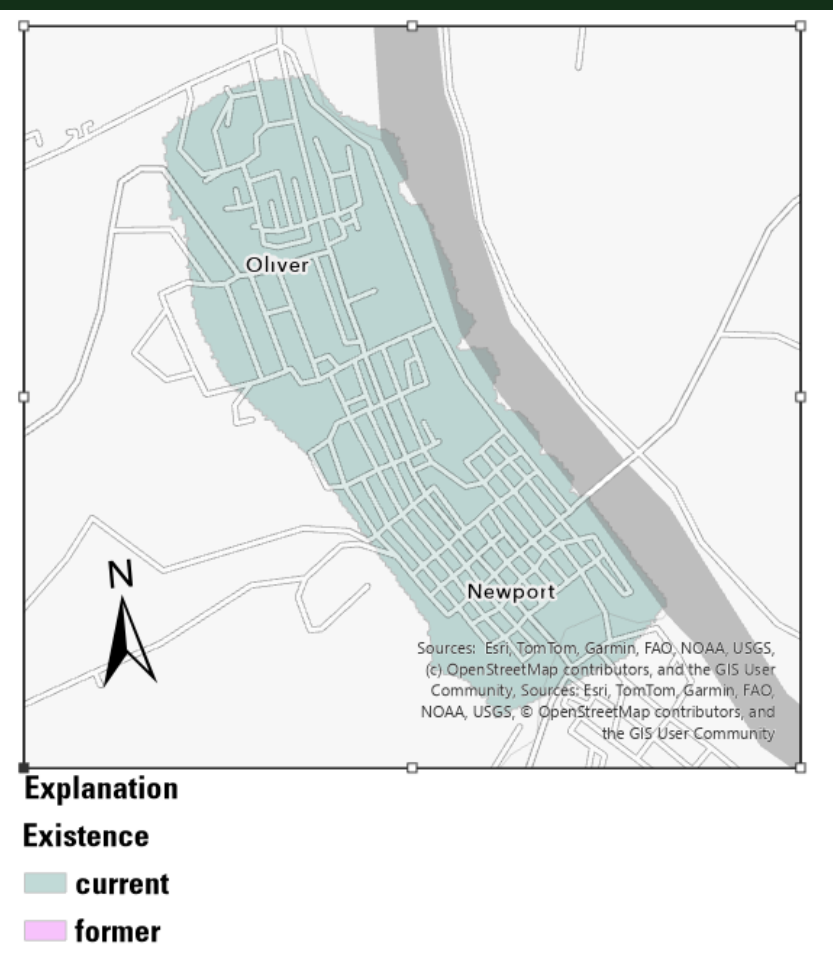


# Pennsylvania

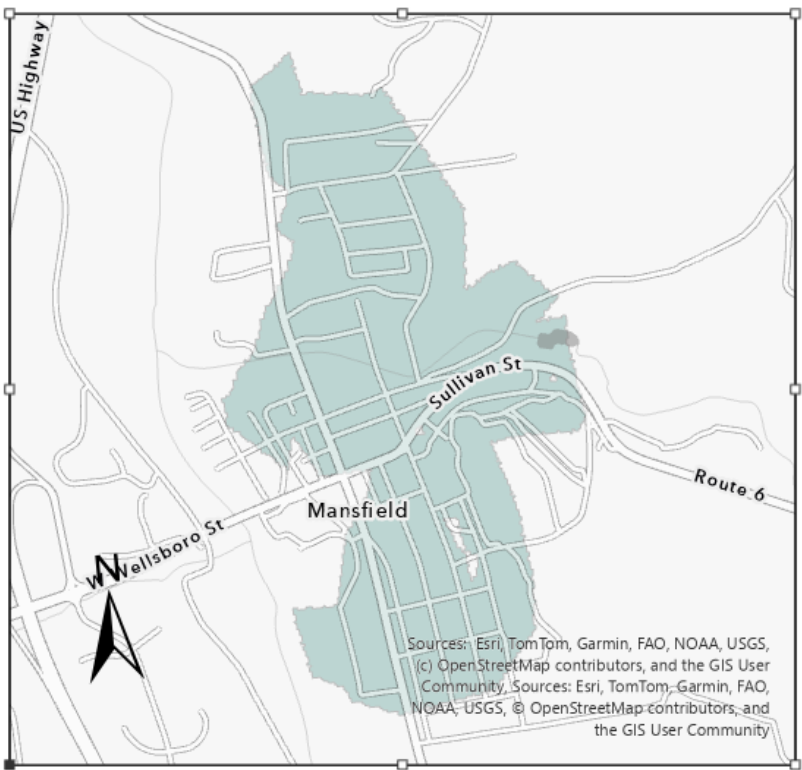




# Pennsylvania



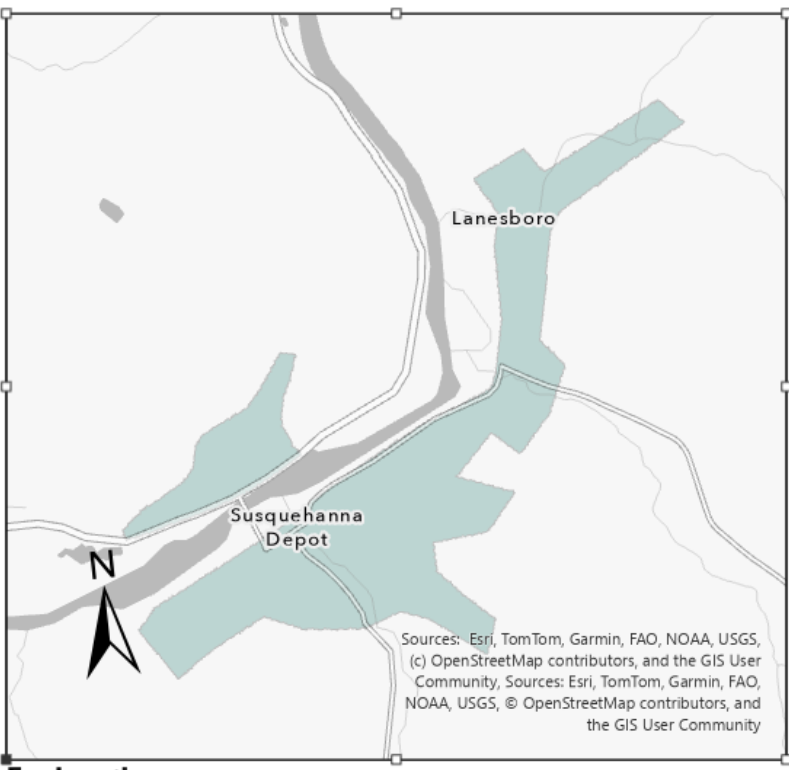
# Pennsylvania



## Explanation

### Existence

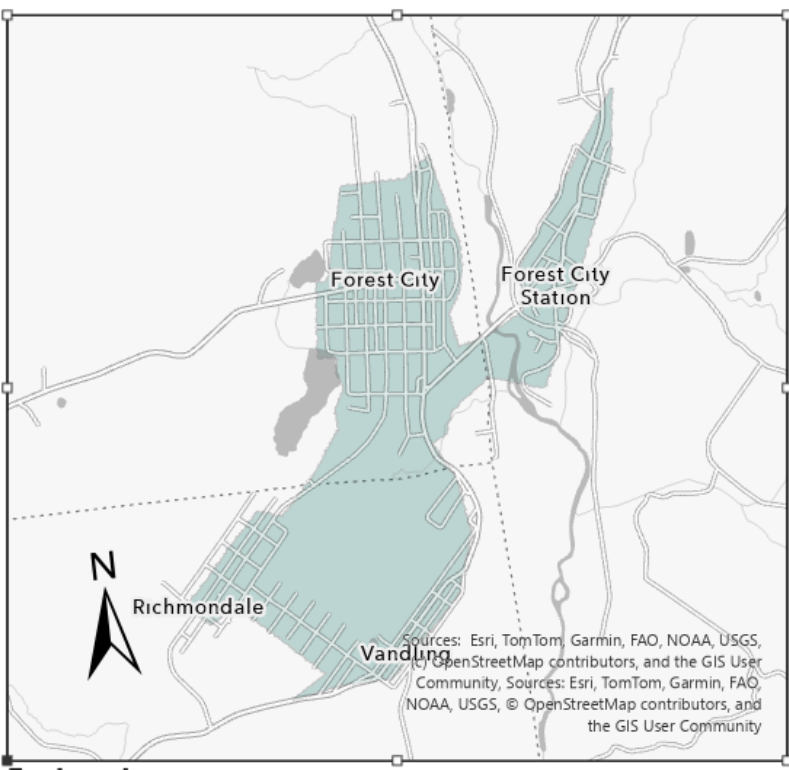
- current
- former



## Explanation

### Existence

- current
- former



## Explanation

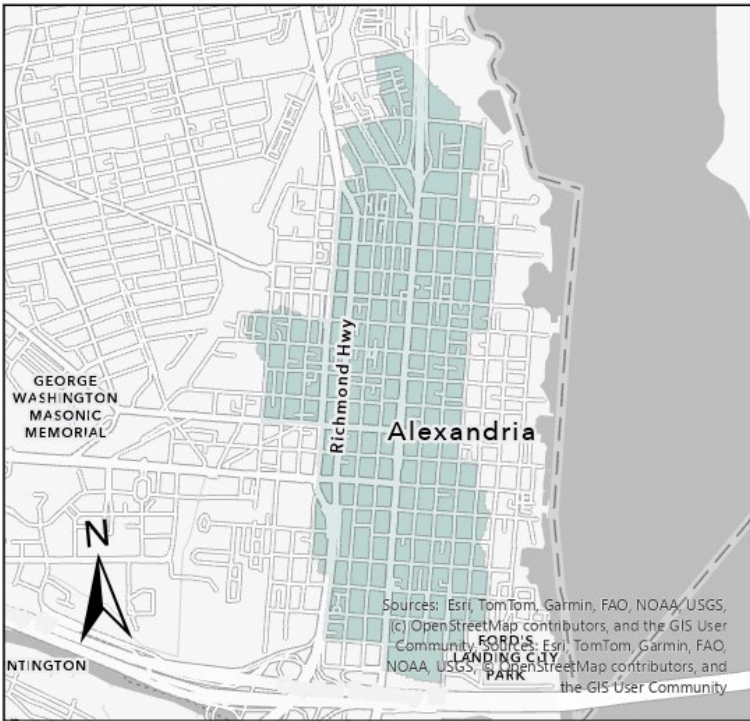
### Existence

- current
- former

# Virginia

- **Virginia has 3 current and 1 former CSS**
  - **Current communities are Alexandria, Lynchburg, and Richmond**
  - **Former community is Covington**

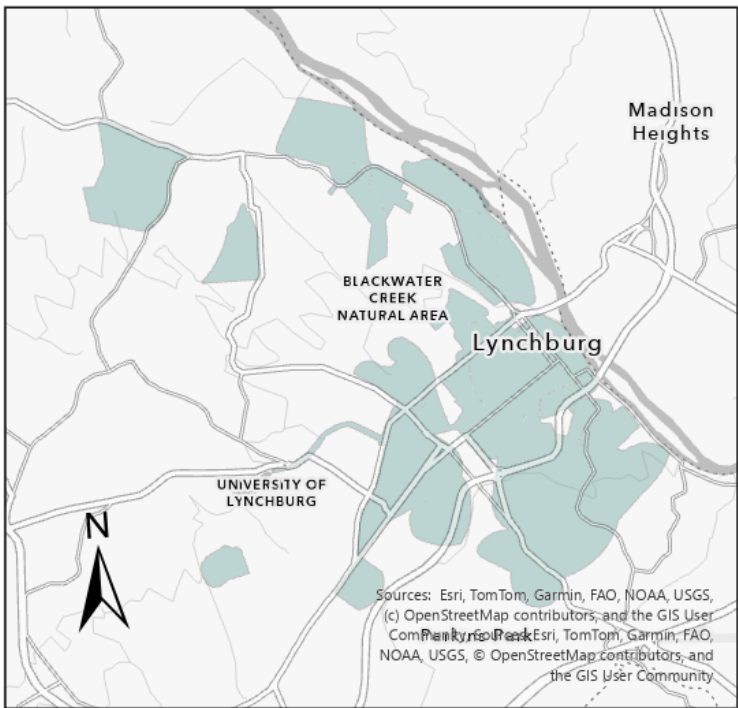
# Virginia



## Explanation

### Existence

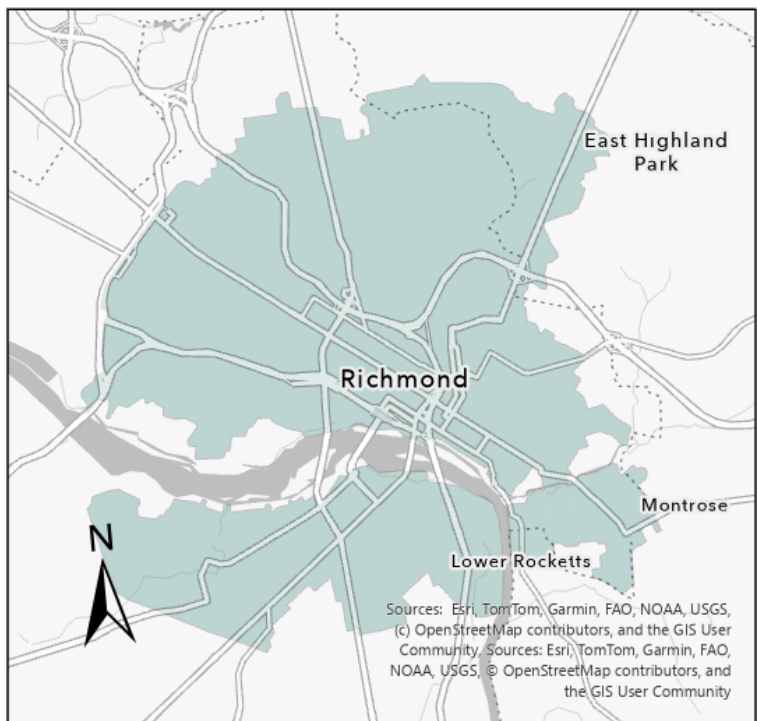
- current
- former



## Explanation

### Existence

- current
- former



## Explanation

### Existence

- current
- former

# West Virginia

- **West Virginia has 3 current and 1 former CSS community**
  - **The current communities are Keyser, Martinsburg, and Moorefield**
  - **The former community is Petersburg**

# West Virginia

