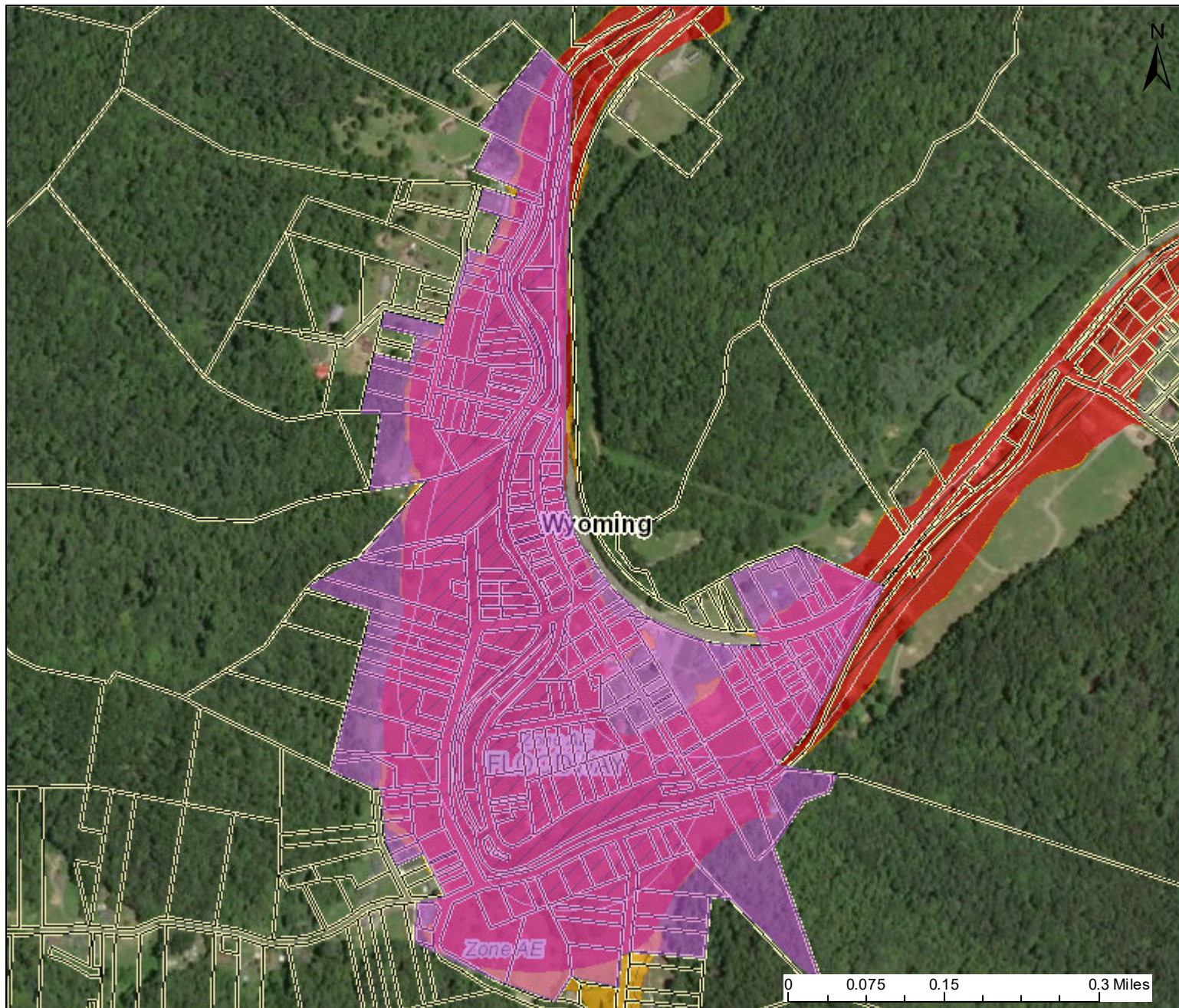


## **APPENDIX B: PROJECT AREA MAP**

# Matheny

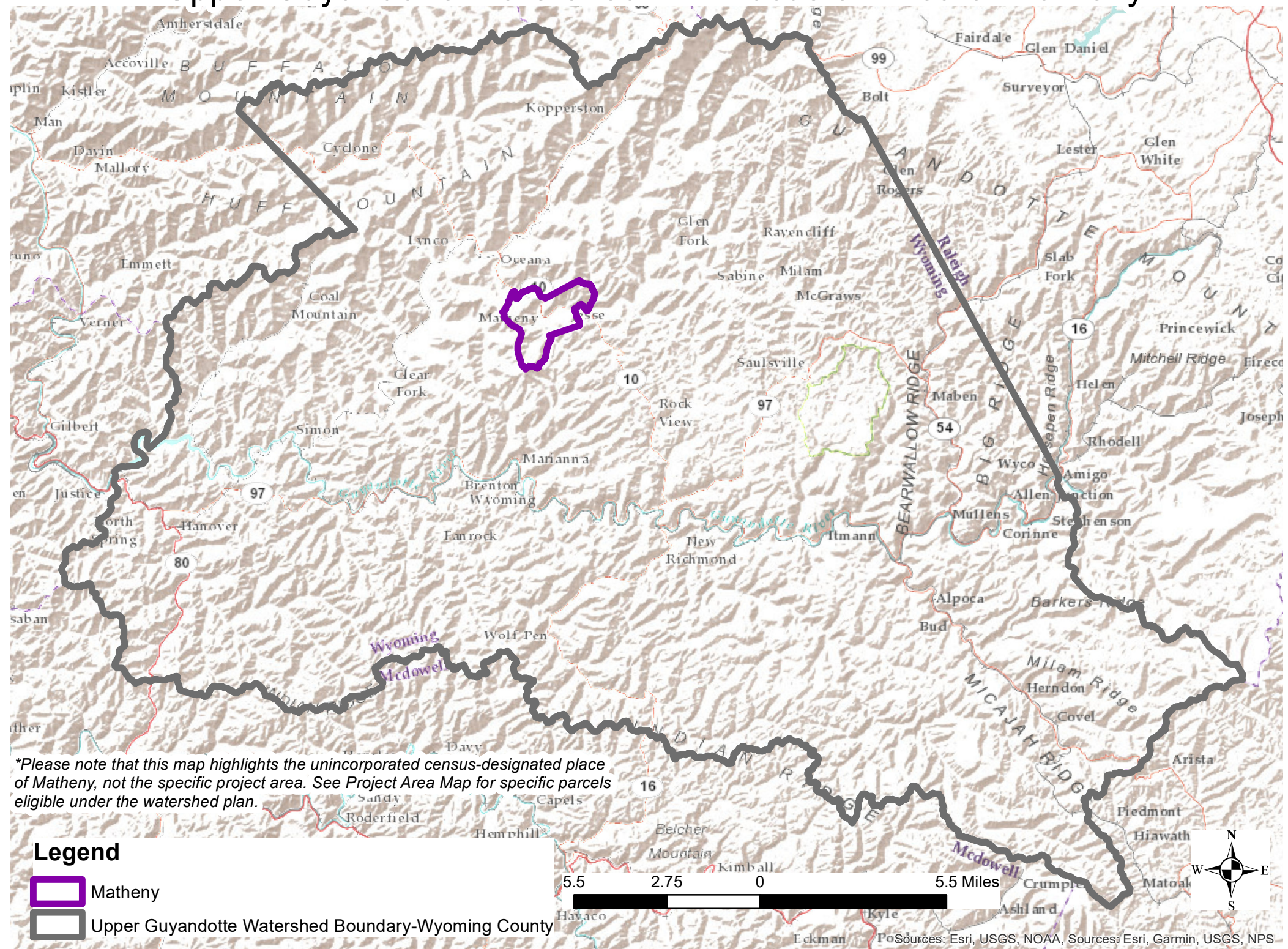


This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   |                                                                                                                                                         |                                                                                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--|
| H<br>I<br>G<br>H<br><br>R<br>I<br>S<br>K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 1-Percent-Annual-Chance Flood Hazard Area<br><b>With Base Flood Elevation (BFE)</b>               |                                                                                                                                                         |                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Regulatory <b>Floodway</b> in AE Zone                                                             |                                                                                                                                                         |                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 1-Percent-Annual-Chance Flood Hazard Area<br><b>Without BFE</b> (may have Advisory Flood Heights) |                                                                                                                                                         |                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 1-Percent-Annual-Chance <b>High Risk Advisory</b>                                                 |                                                                                                                                                         |                                                                                                             |  |
| <p>Download the Full Legend for all flood tool symbols<br/><a href="https://www.mapwv.gov/flood/map/docs/wv_flood_tool_legend.pdf">https://www.mapwv.gov/flood/map/docs/wv_flood_tool_legend.pdf</a></p> <p><b>Disclaimer:</b><br/>The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. Refer to the official Flood Insurance Study (FIS) for detailed flood elevation data in flood profiles and data tables. WV Flood Tool (<a href="https://www.mapwv.gov/flood">https://www.mapwv.gov/flood</a>) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.</p> |                                                                                     |                                                                                                   | <div> Flood Info Location</div> <div>Map created on 11/21/2019</div> |                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | User Notes                                                                                                                                              |                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Flood Hazard Area                                                                                                                                       | Location is <b>NOT WITHIN</b> any identified flood hazard area. Unmapped flood hazard areas may be present. |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Flood Zone                                                                                                                                              | Out of Flood Zone                                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Stream                                                                                                                                                  | N/A                                                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Watershed (HUC8)                                                                                                                                        | Tug (5070201)                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Flood Height                                                                                                                                            |                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Water Depth                                                                                                                                             |                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Elevation                                                                                                                                               | About 1734 ft (Source: WVDEP 2010-13)                                                                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Community & ID                                                                                                                                          | Mcdowell County (ID: 540114)                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | FEMA Map & Date                                                                                                                                         | 54047C0211D; Effective Date: 6/16/2005                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Location (lat, long)                                                                                                                                    | (37.414894, -81.479086)                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | Parcel ID                                                                                                                                               | 27-04-0234-0012-0000                                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                                   | E-911 Address                                                                                                                                           | multiple addresses                                                                                          |  |



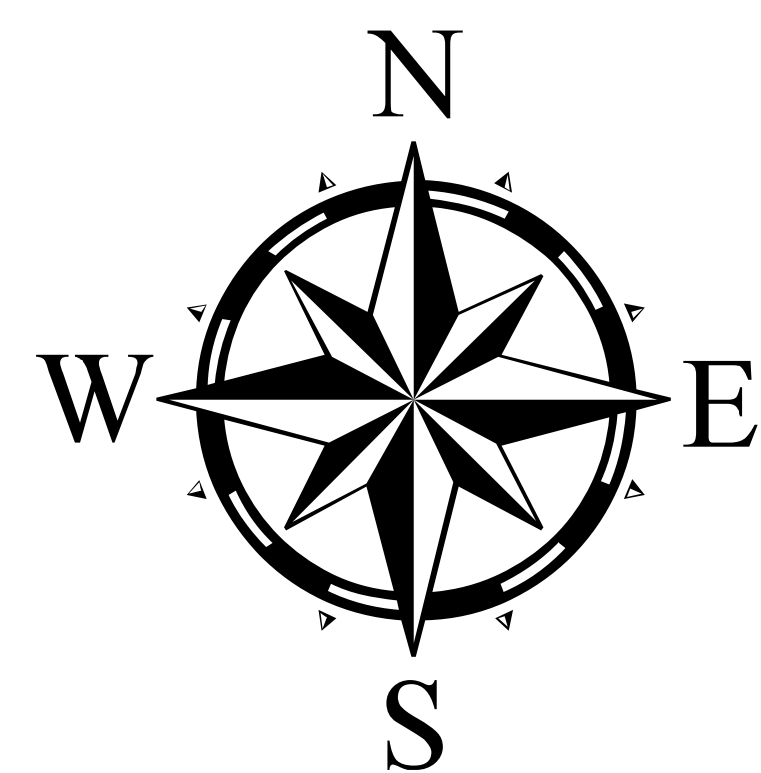
# Upper Guyandotte Watershed with Focus on Area of Matheny





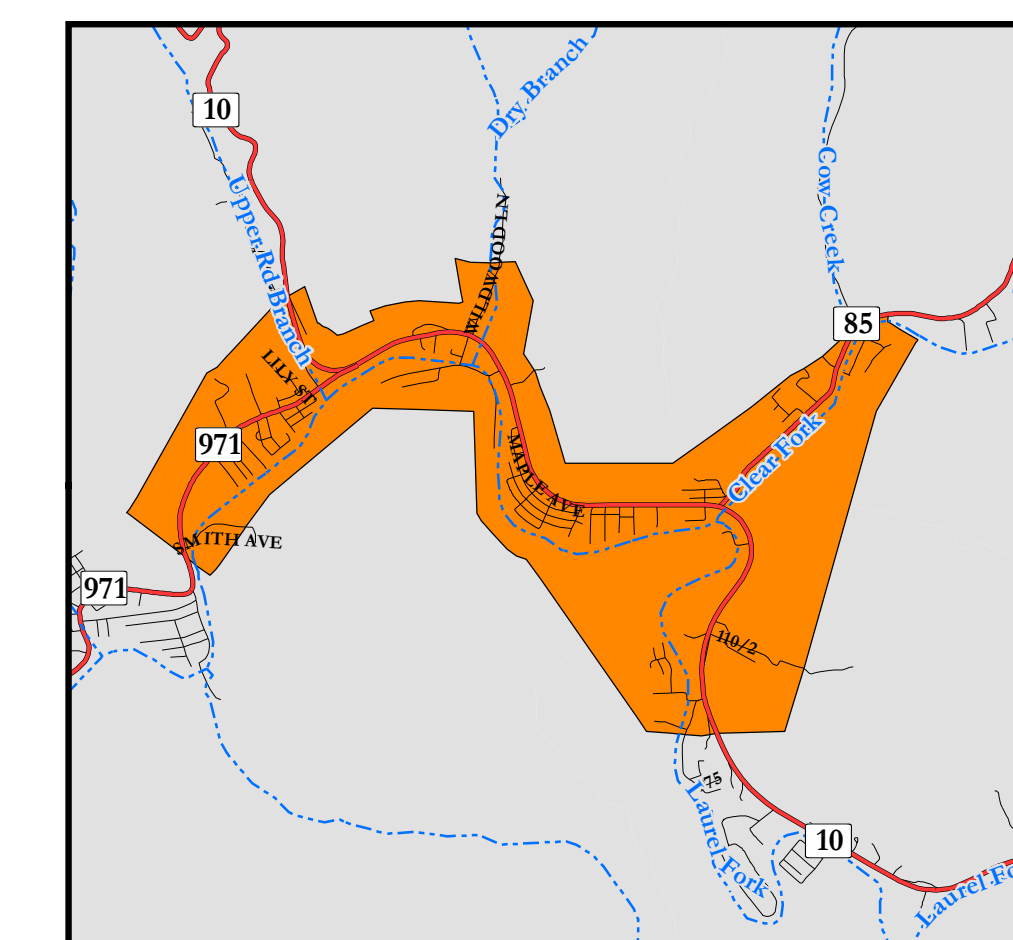
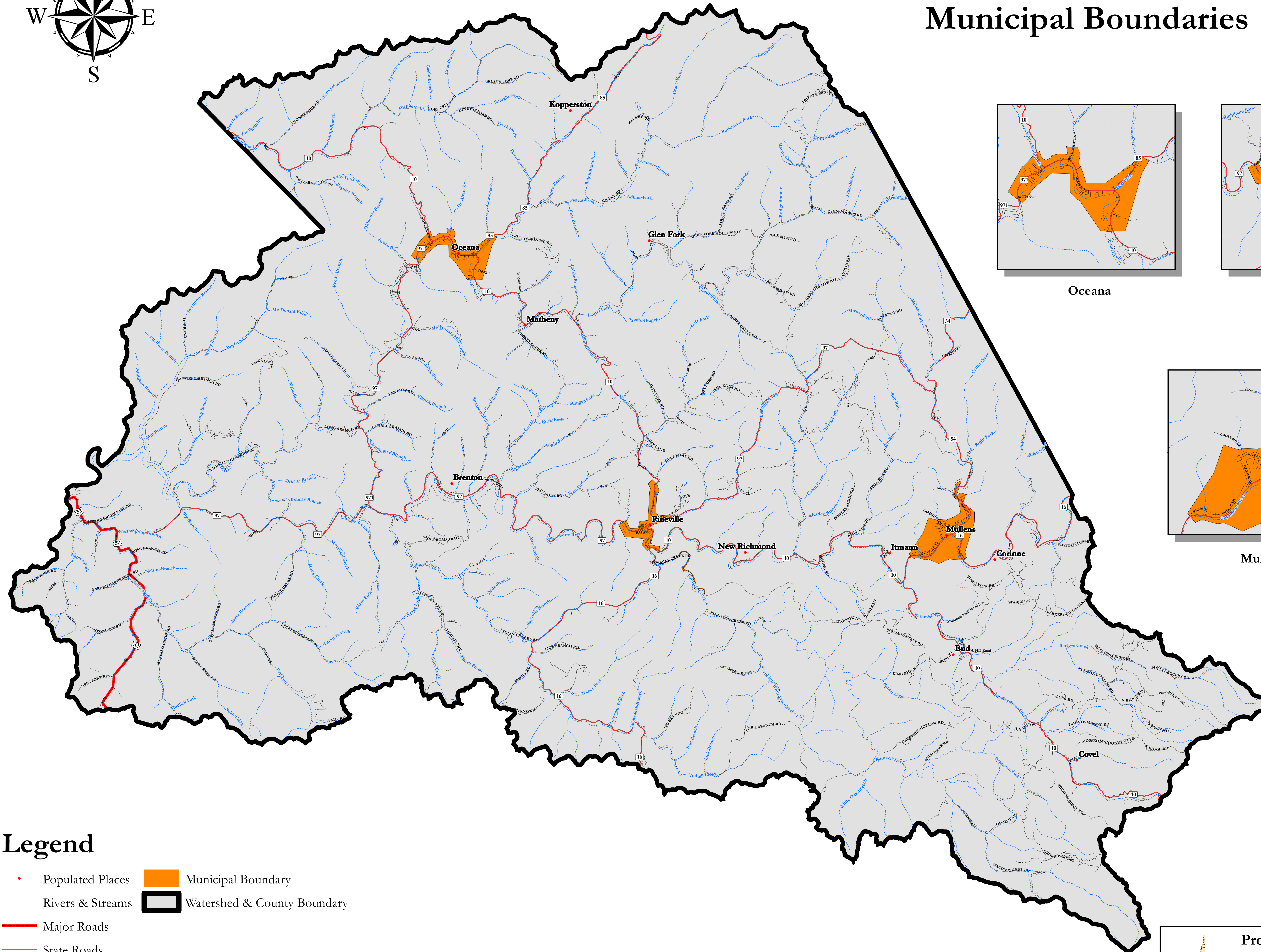
## **APPENDIX C: SUPPORT MAPS**



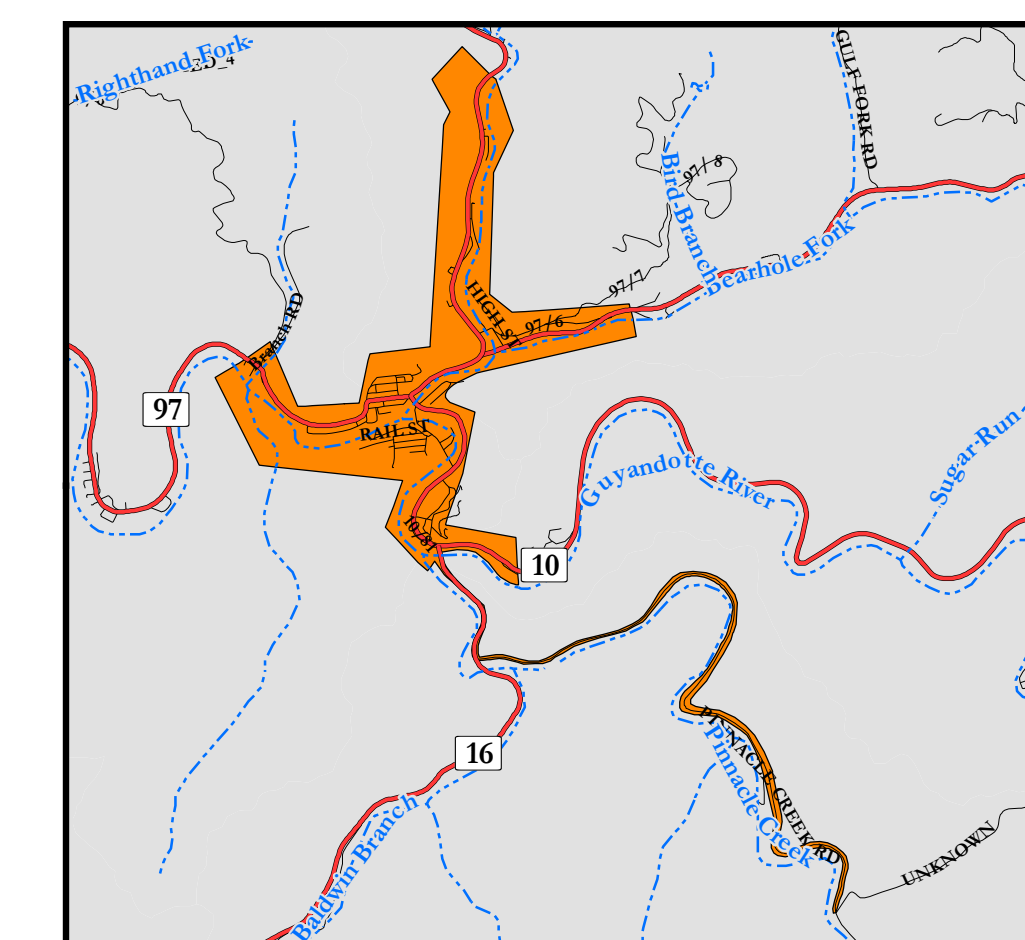


# Upper Guyandotte Watershed

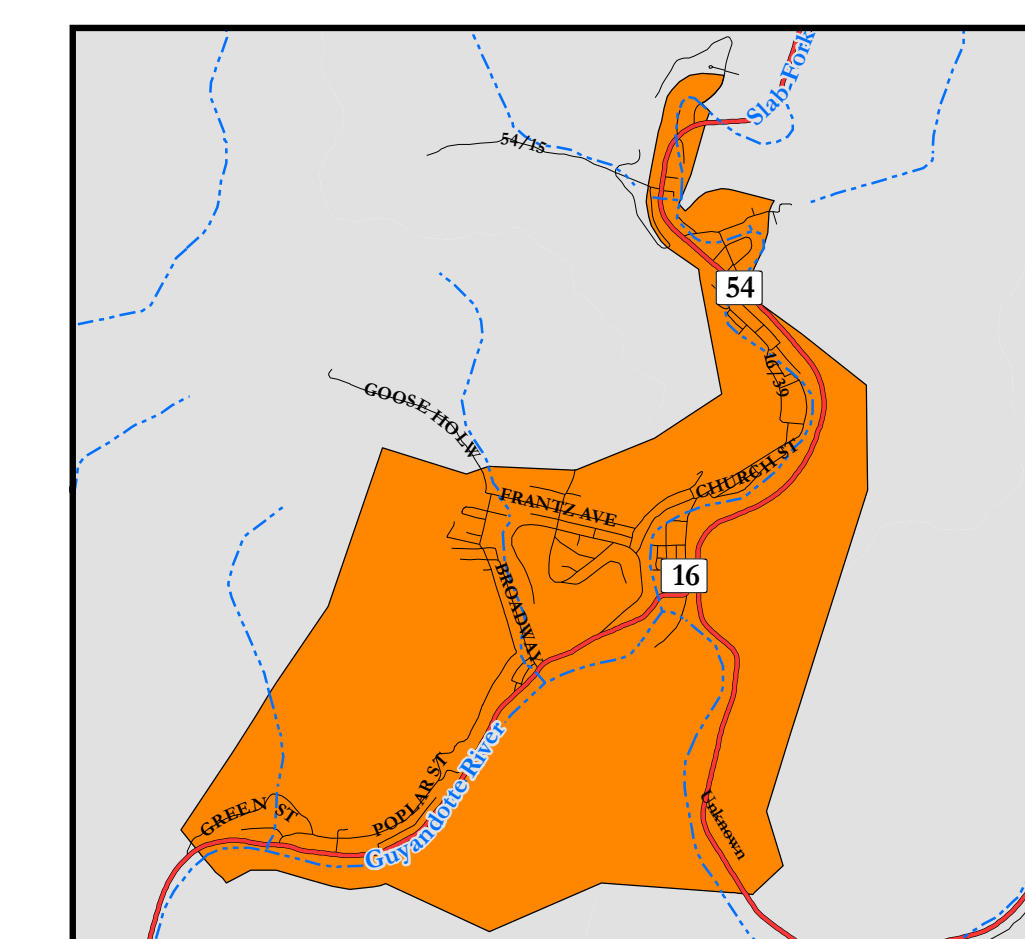
## Municipal Boundaries



Oceana



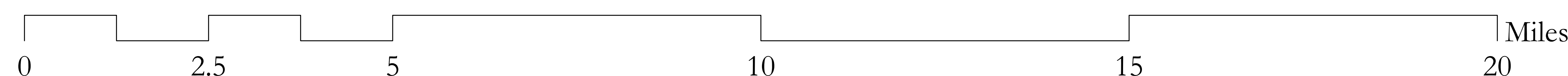
Pineville



Mullens

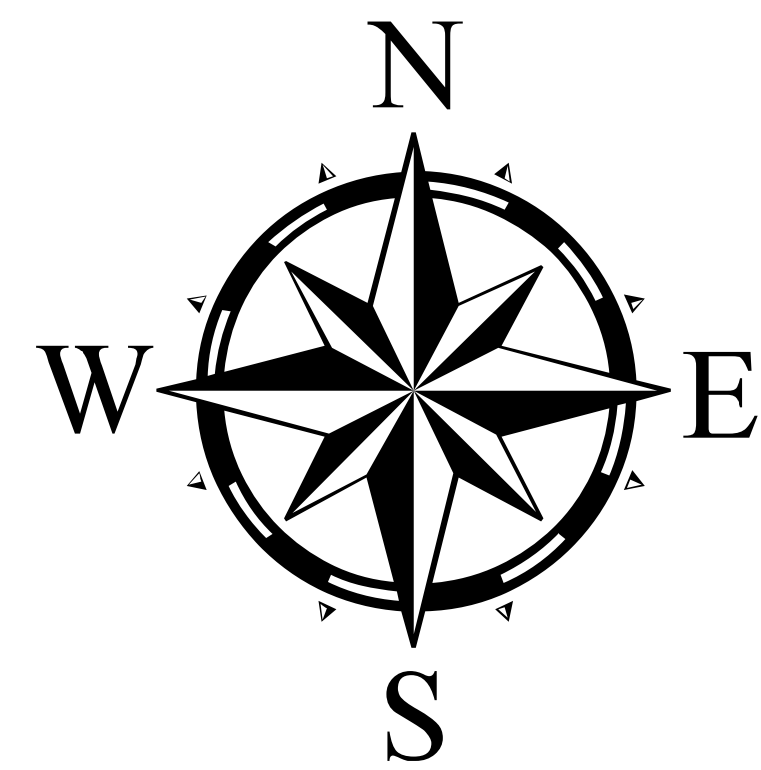
### Legend

- Populated Places
- Rivers & Streams
- Major Roads
- State Roads
- Roads
- Municipal Boundary
- Watershed & County Boundary



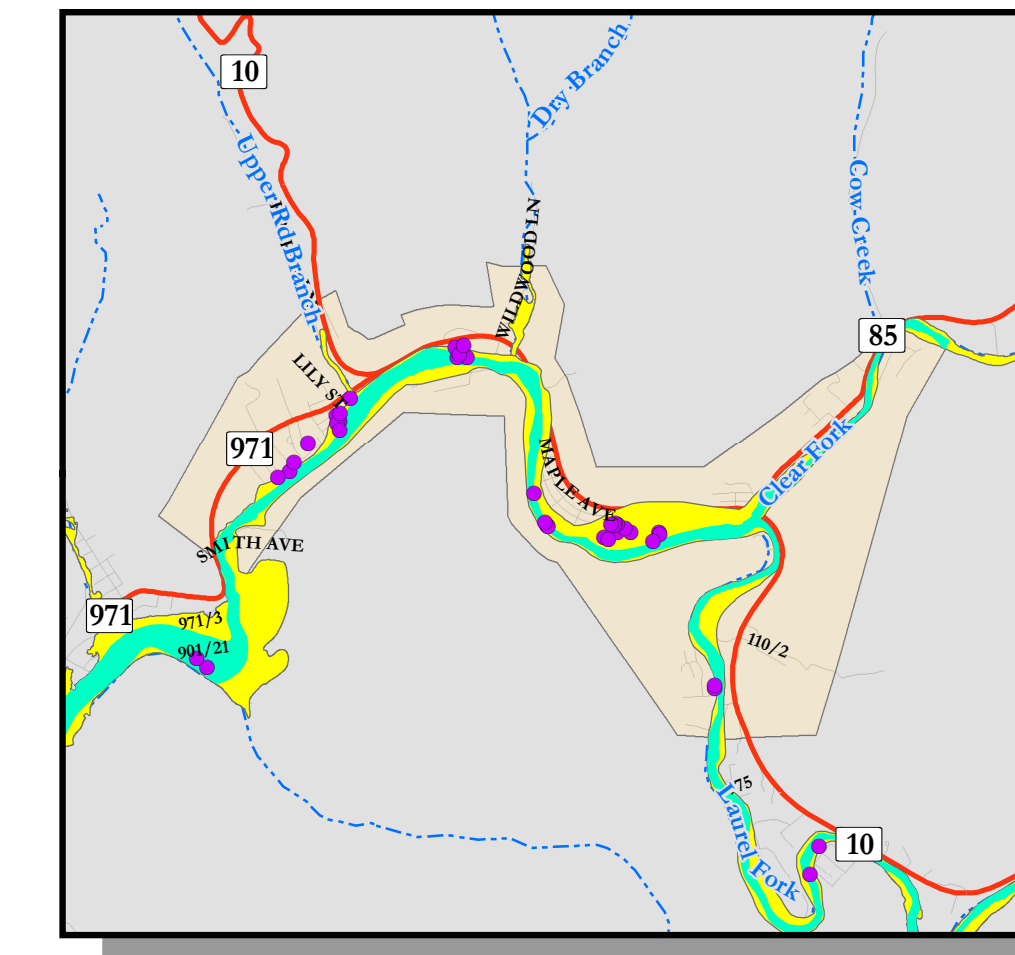
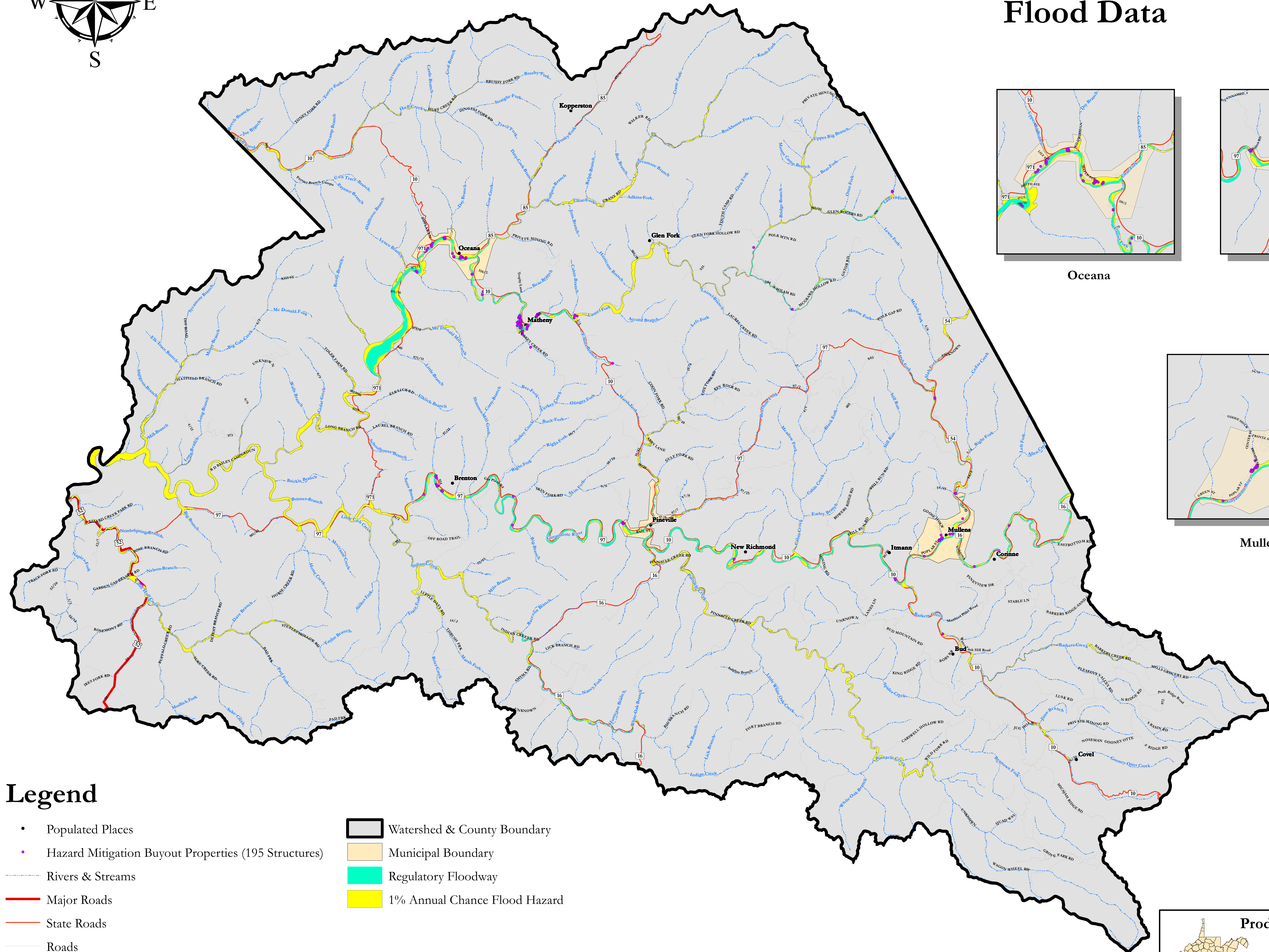
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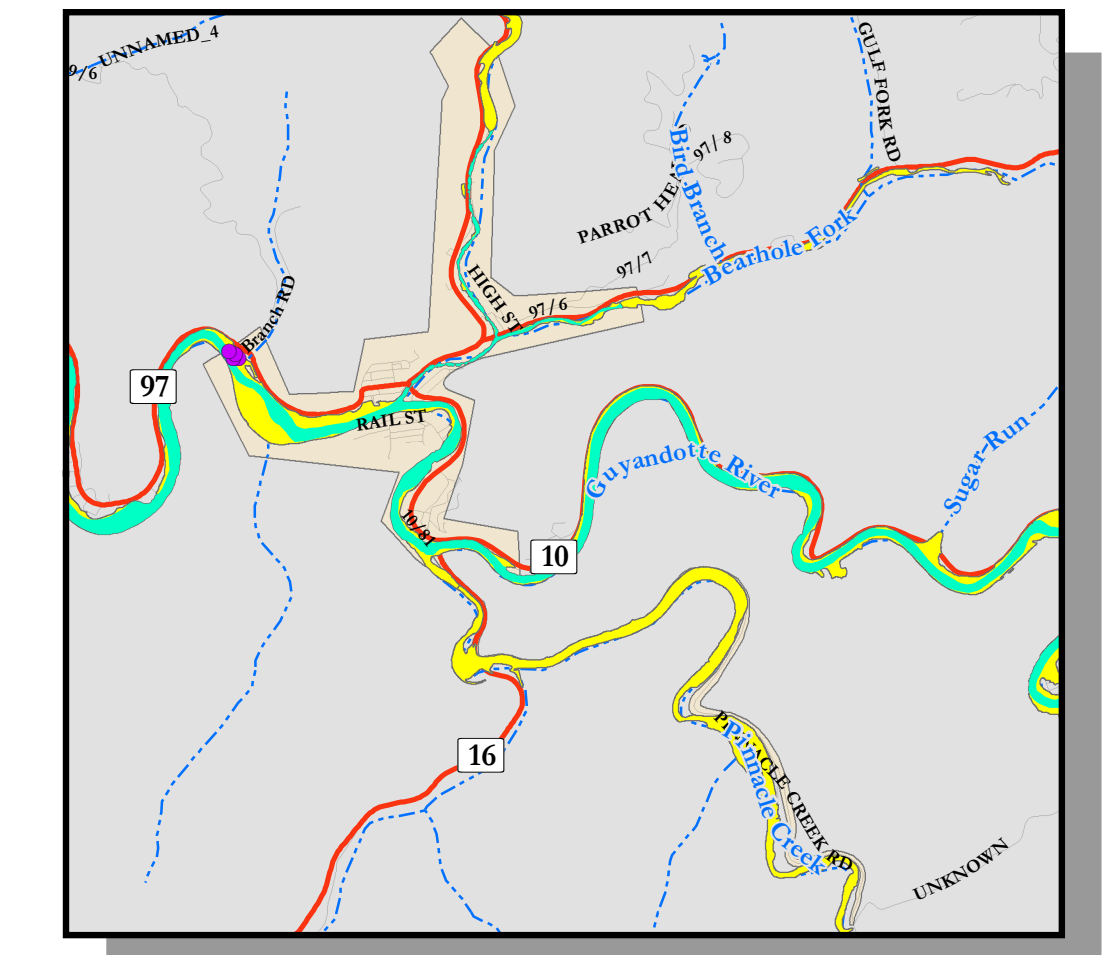


# Upper Guyandotte Watershed

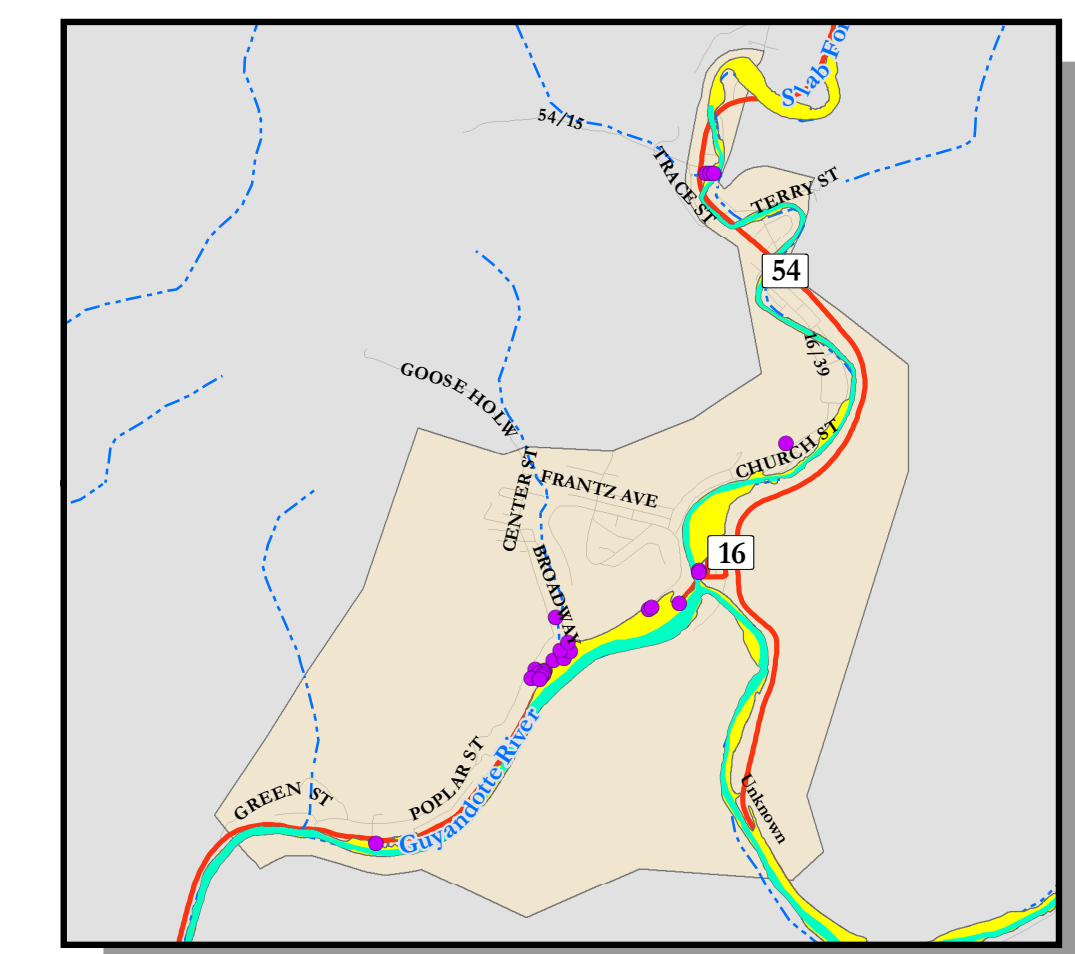
## Flood Data



Oceana



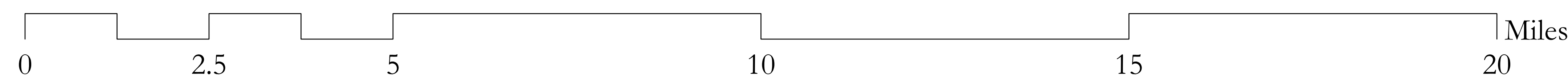
Pineville



Mullens

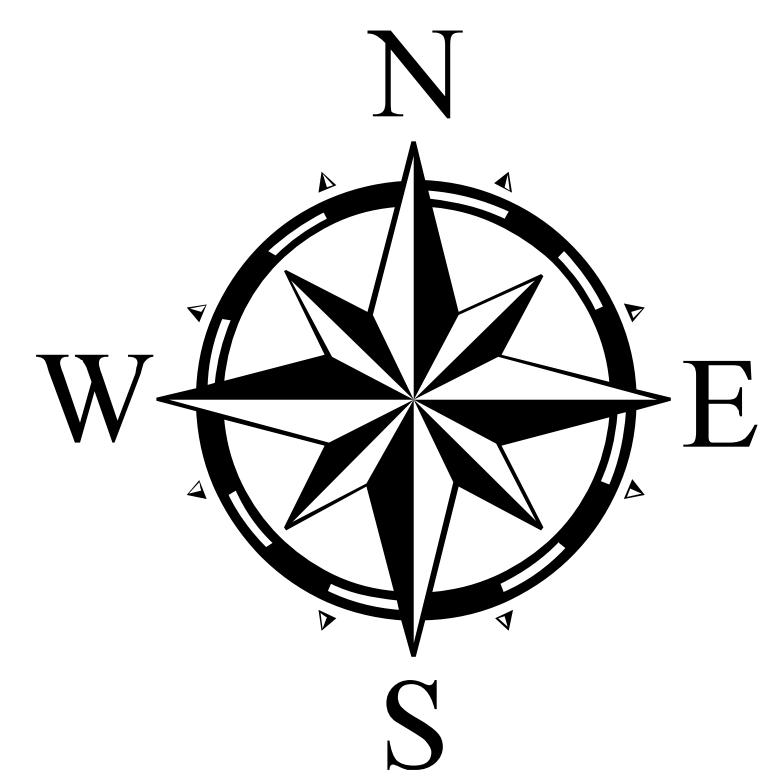
## Legend

- Populated Places
- Hazard Mitigation Buyout Properties (195 Structures)
- Rivers & Streams
- Major Roads
- State Roads
- Roads
- Watershed & County Boundary
- Municipal Boundary
- Regulatory Floodway
- 1% Annual Chance Flood Hazard



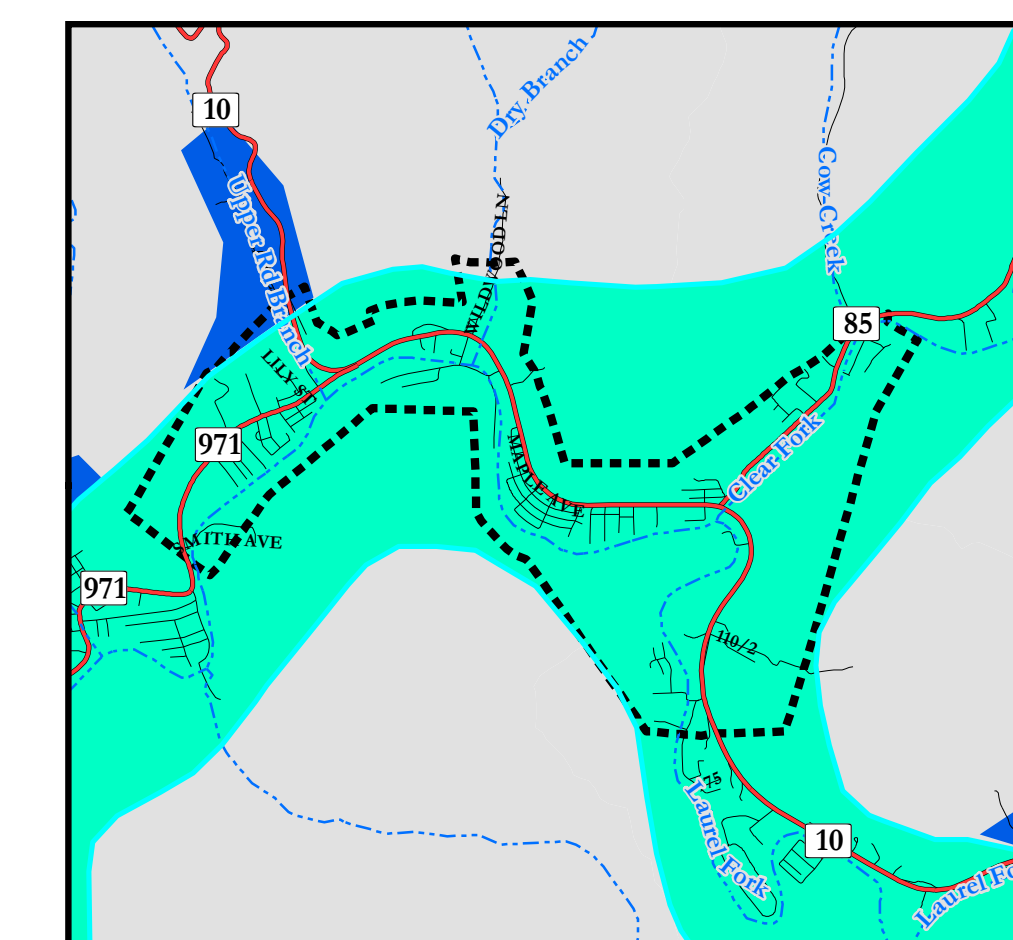
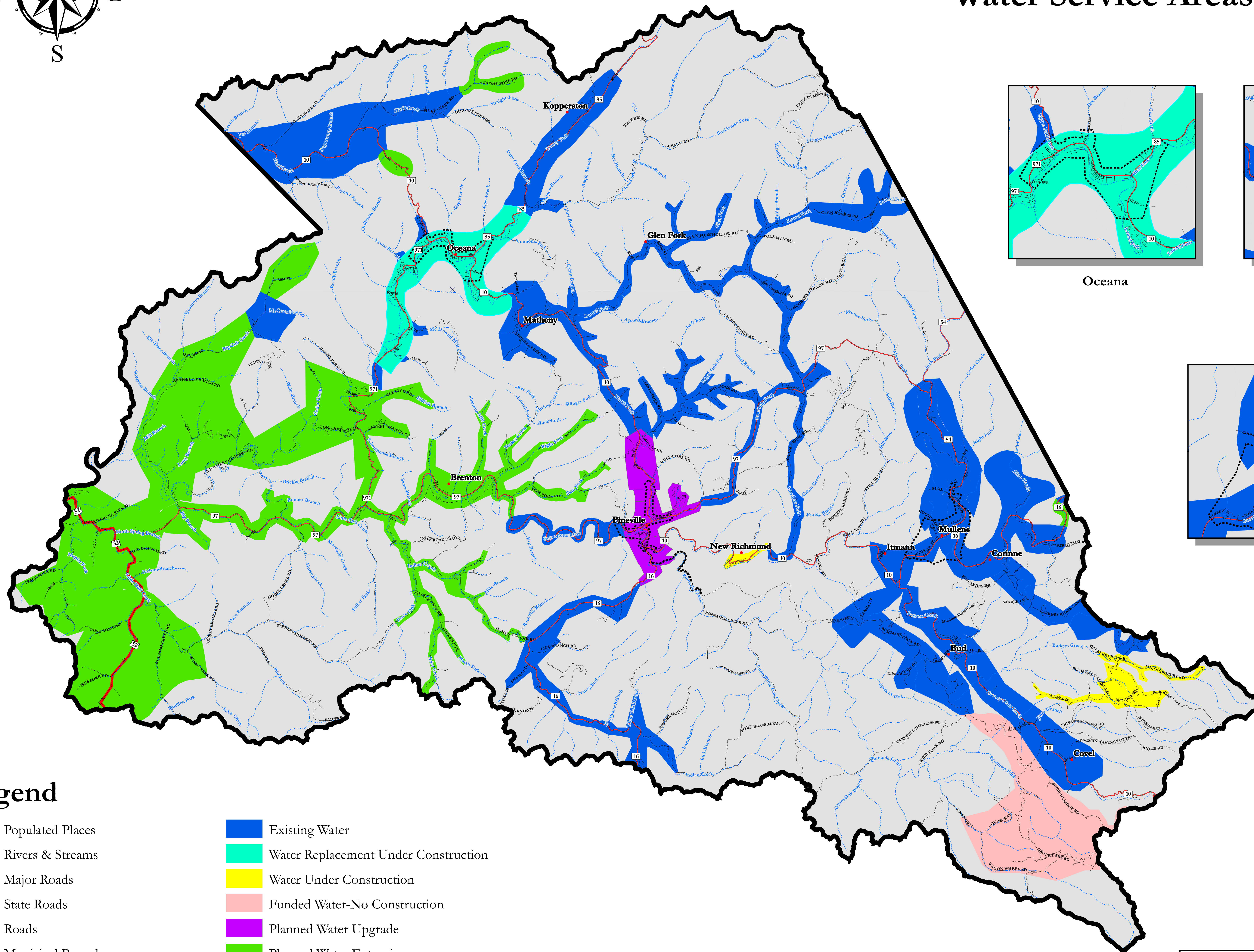
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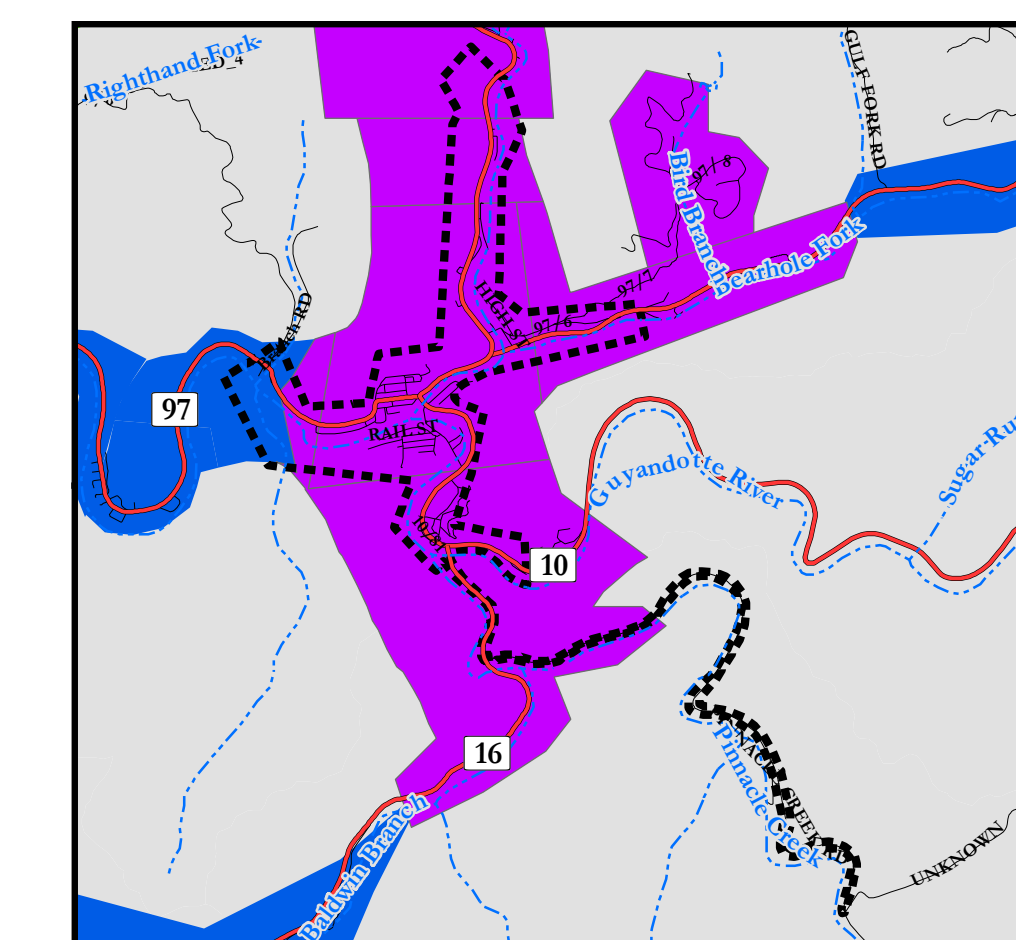


# Upper Guyandotte Watershed

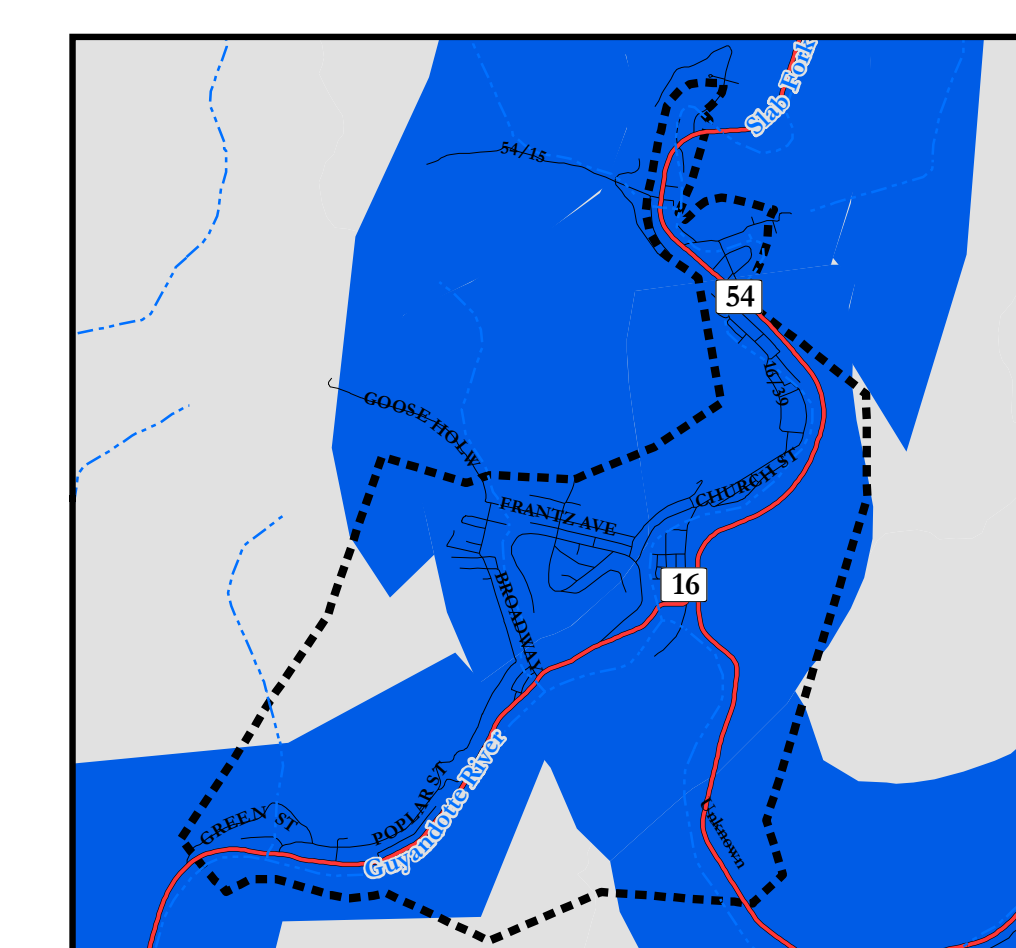
## Water Service Areas



Oceana



Pineville



Mullens

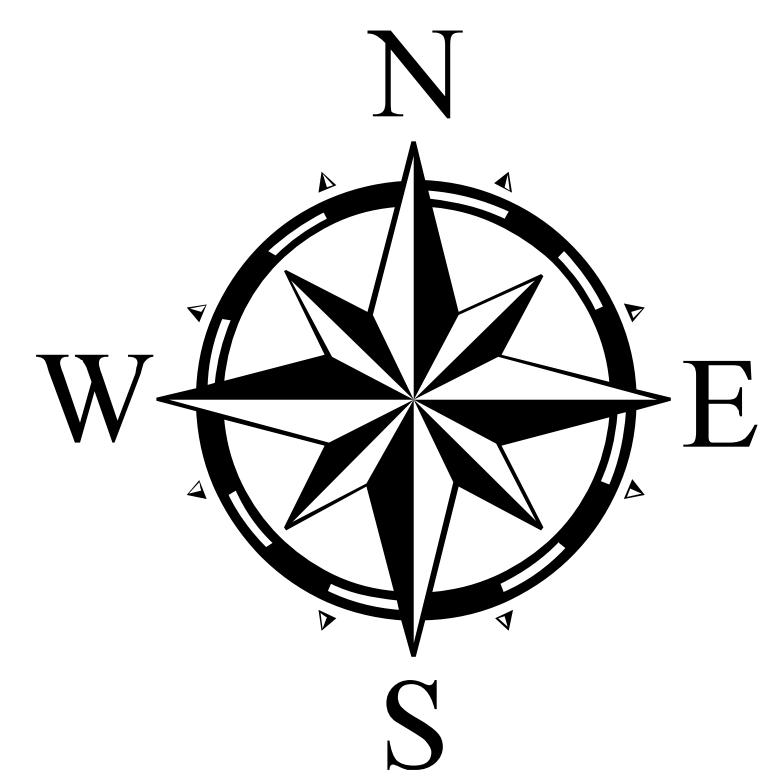
### Legend

- Populated Places
- Rivers & Streams
- Major Roads
- State Roads
- Roads
- Municipal Boundary
- █ Watershed & County Boundary
- █ Existing Water
- █ Water Replacement Under Construction
- █ Water Under Construction
- █ Funded Water-No Construction
- █ Planned Water Upgrade
- █ Planned Water Extension

0 2.5 5 10 15 20 Miles

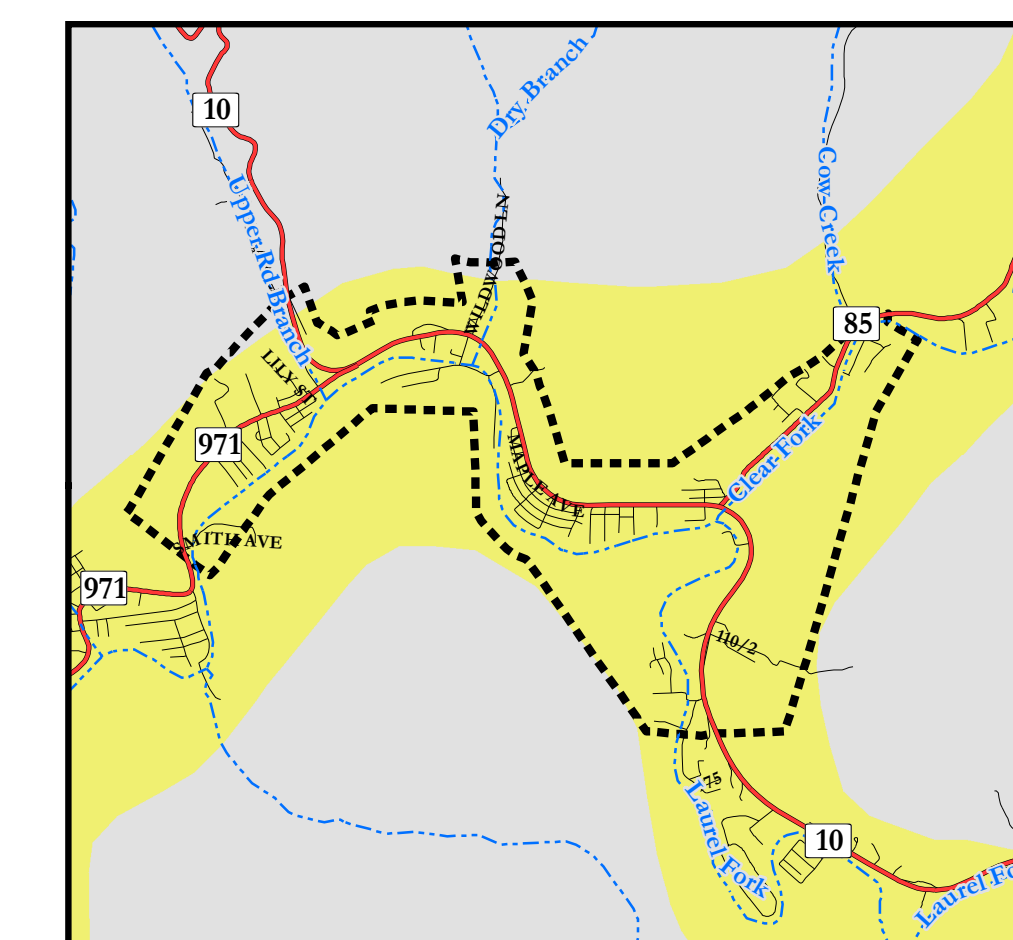
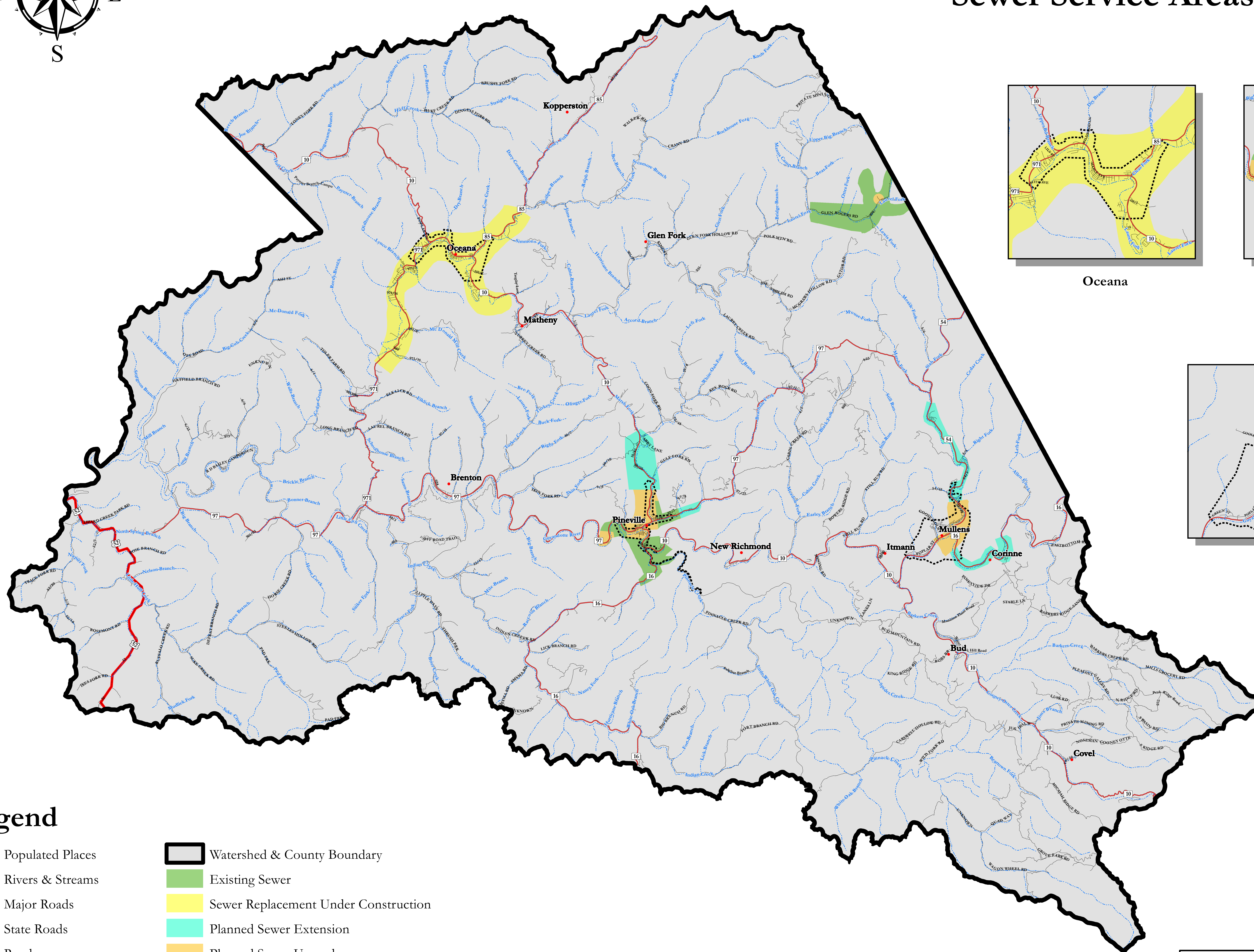
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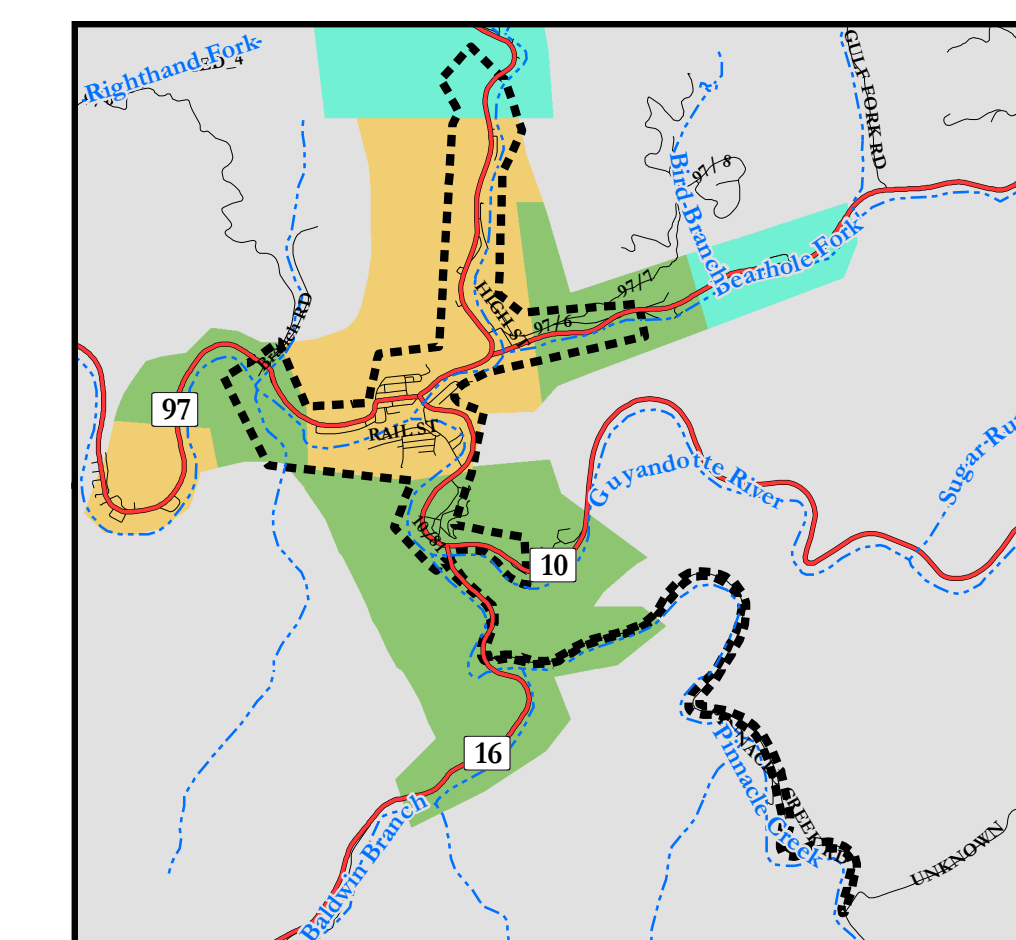


# Upper Guyandotte Watershed

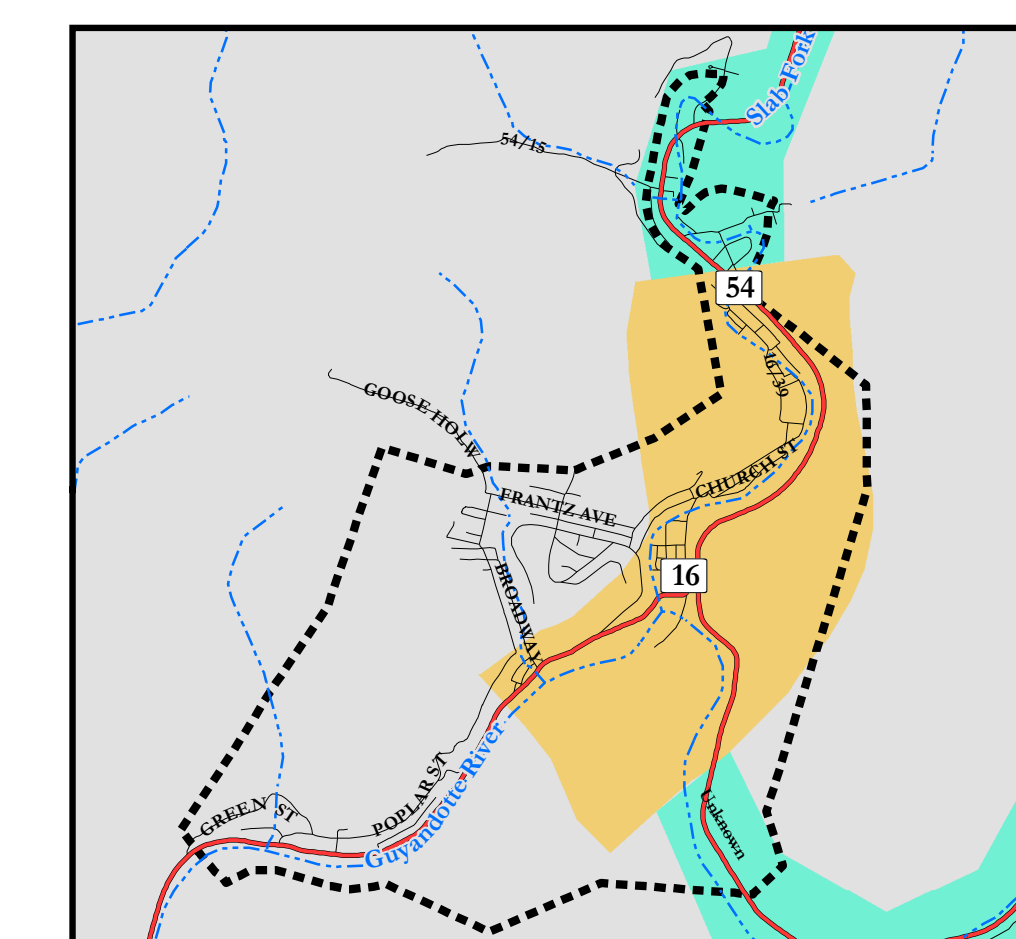
## Sewer Service Areas



Oceana



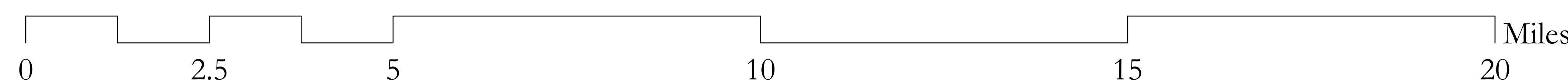
Pineville



Mullens

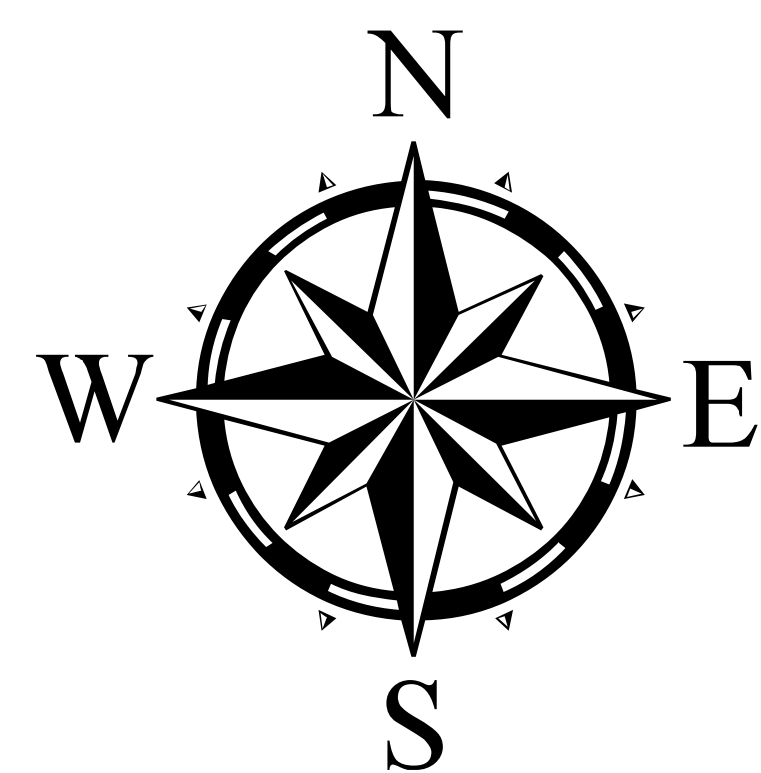
### Legend

- Populated Places
- Rivers & Streams
- Major Roads
- State Roads
- Roads
- Municipal Boundary
- Watershed & County Boundary
- Existing Sewer
- Sewer Replacement Under Construction
- Planned Sewer Extension
- Planned Sewer Upgrade



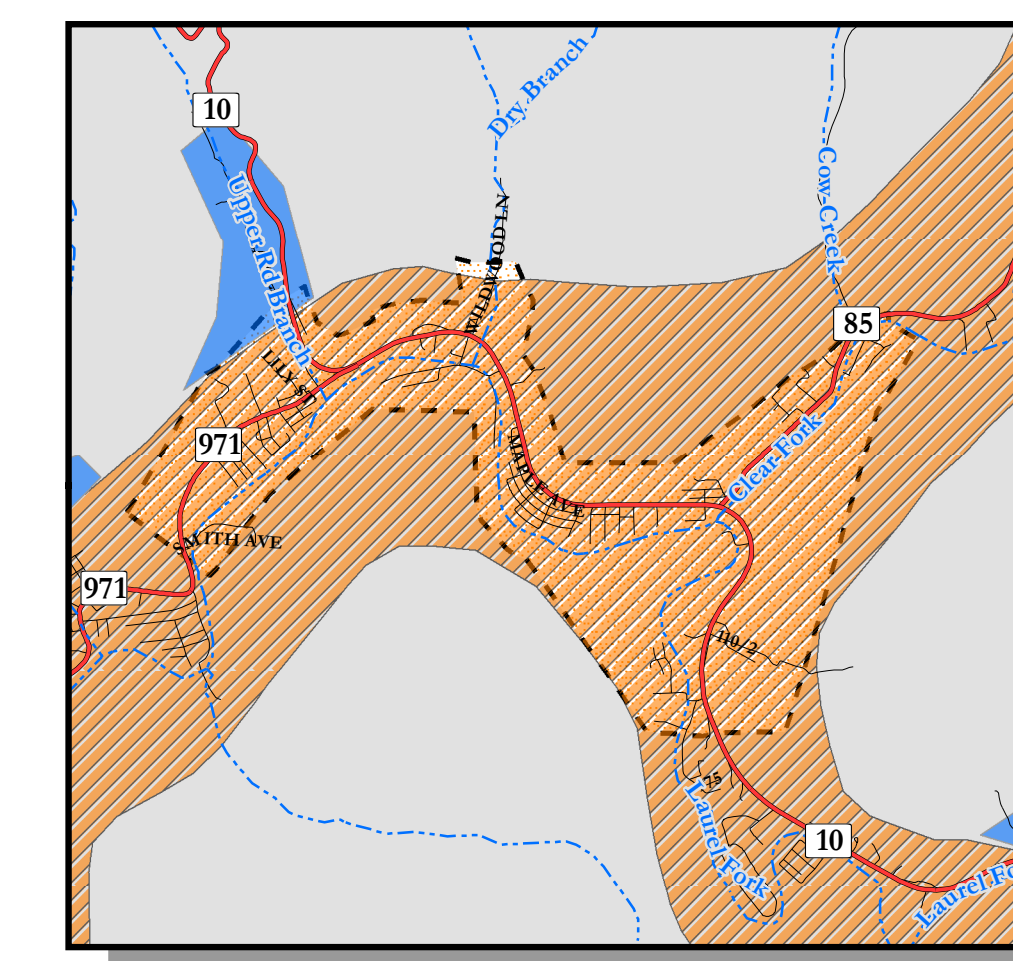
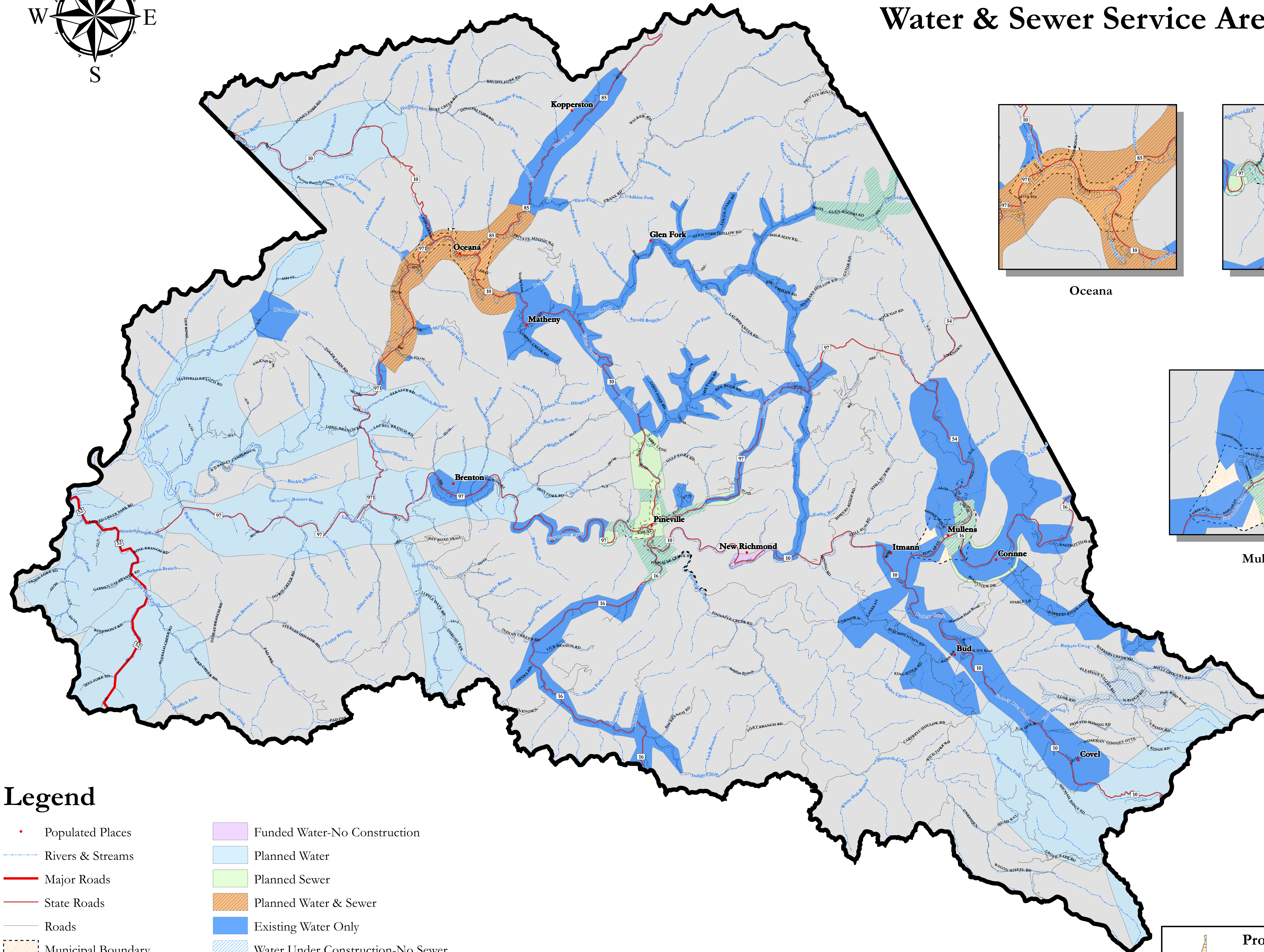
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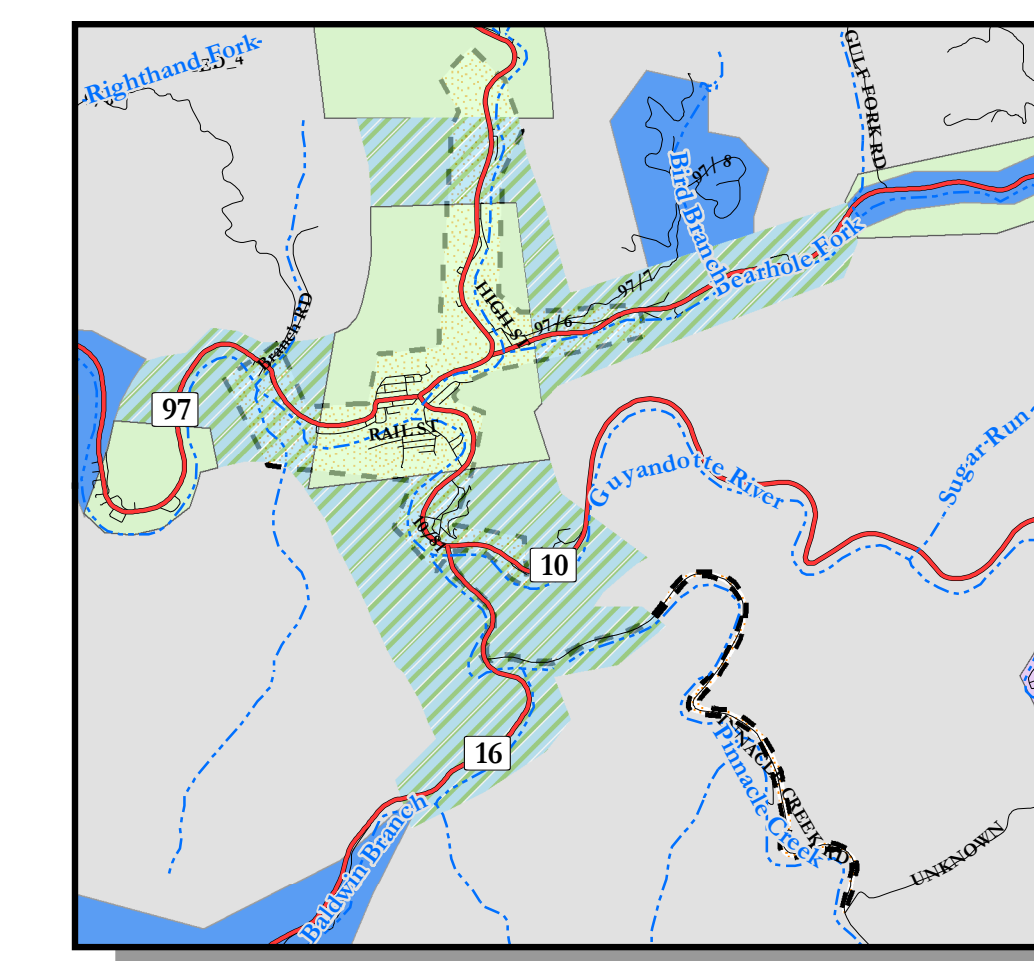


# Upper Guyandotte Watershed

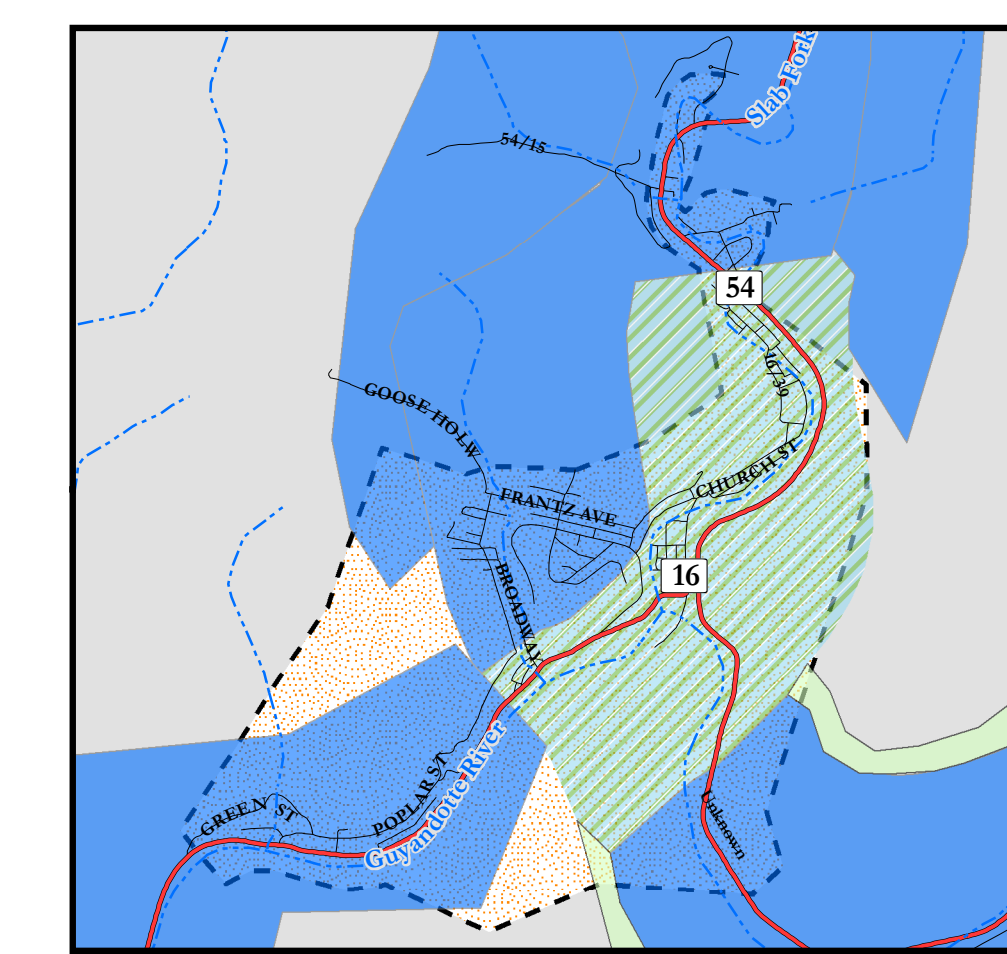
## Water & Sewer Service Areas



Oceana



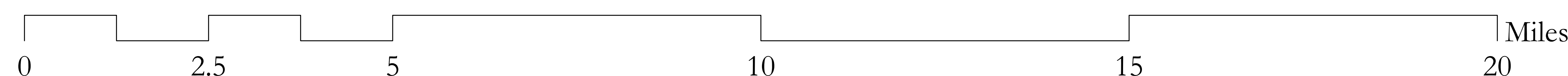
Pineville



Mullens

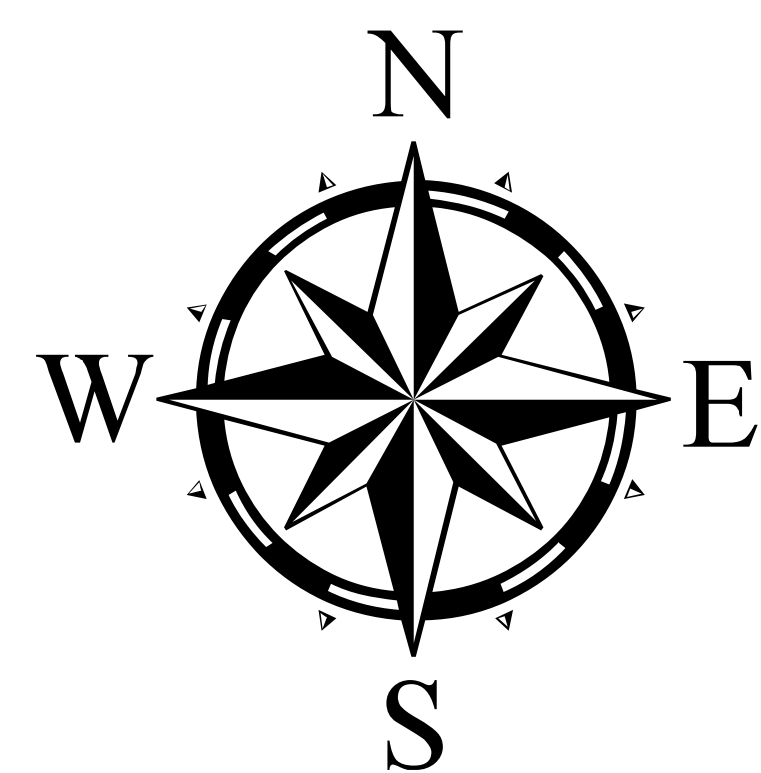
### Legend

- Populated Places
- Rivers & Streams
- Major Roads
- State Roads
- Roads
- - - Municipal Boundary
- █ Watershed & County Boundary
- █ Funded Water-No Construction
- █ Planned Water
- █ Planned Sewer
- █ Planned Water & Sewer
- █ Existing Water Only
- █ Water Under Construction-No Sewer
- █ Water and Sewer



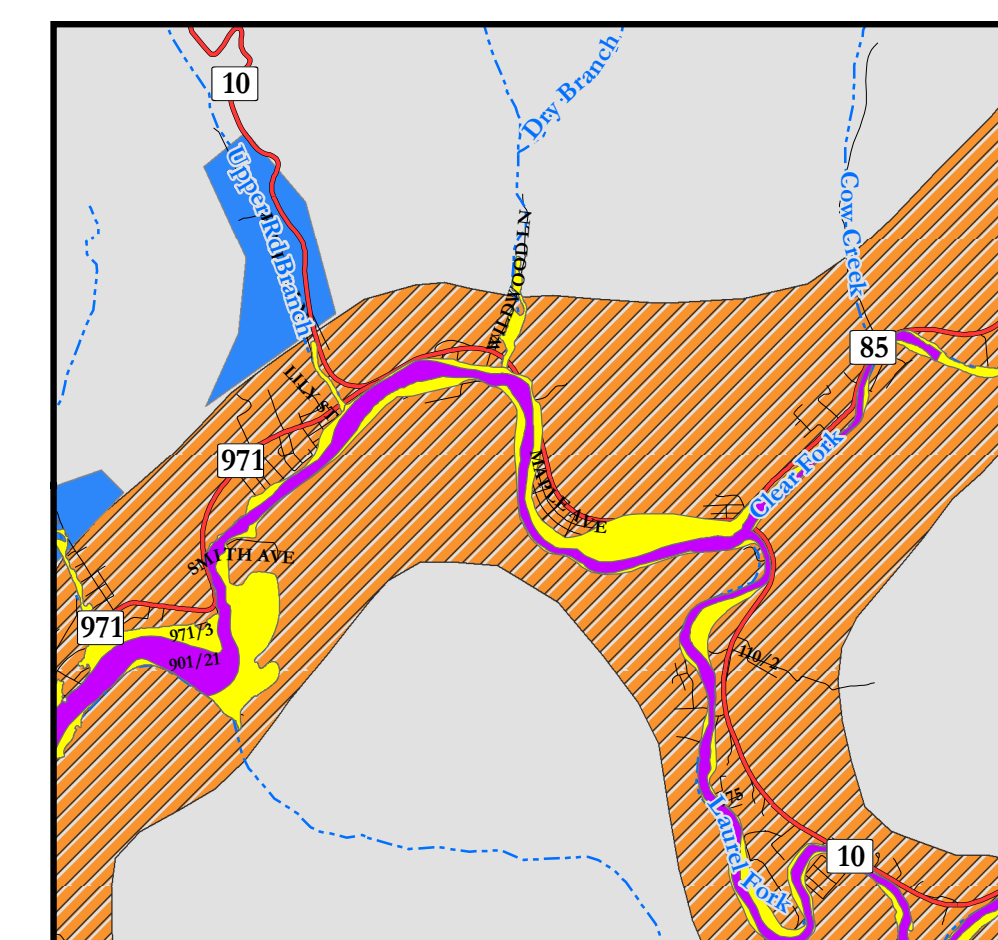
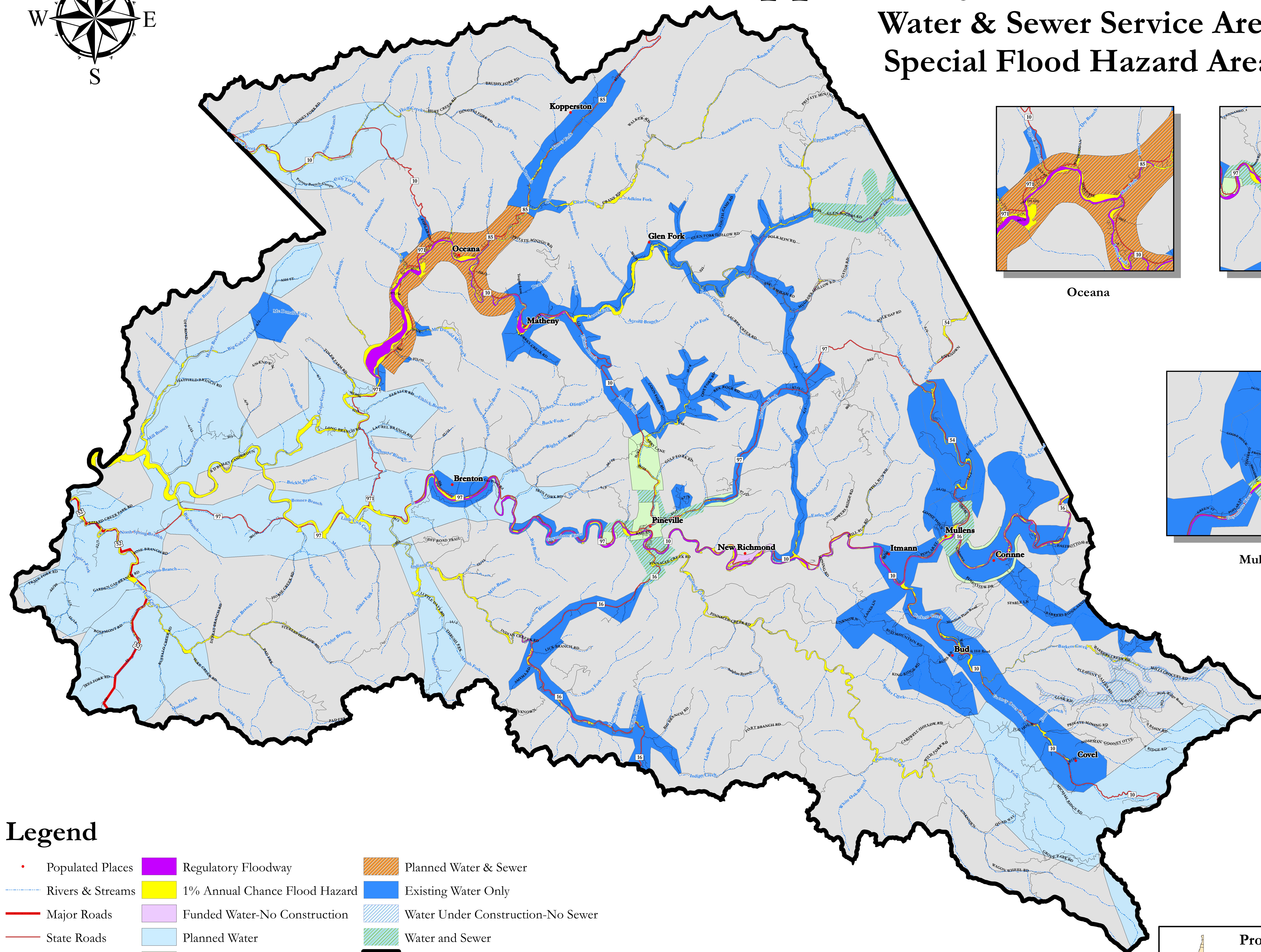
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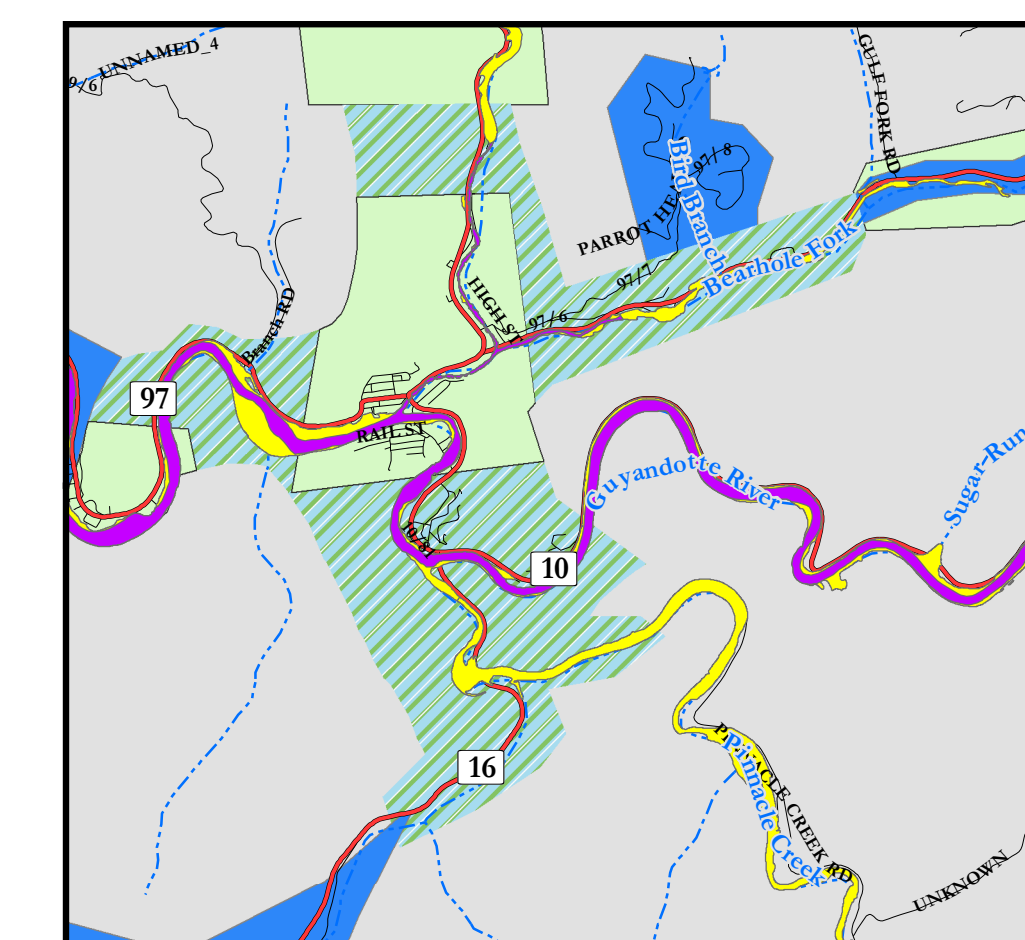


# Upper Guyandotte Watershed

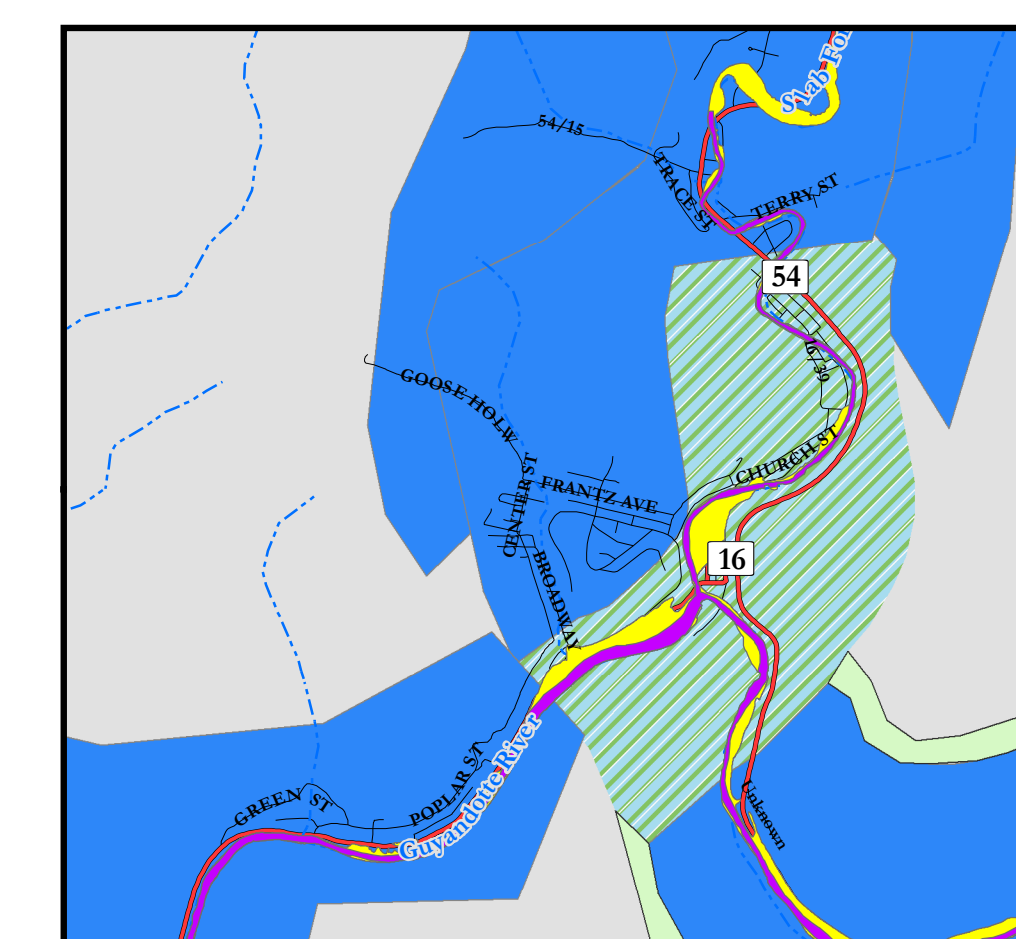
## Water & Sewer Service Areas Special Flood Hazard Areas



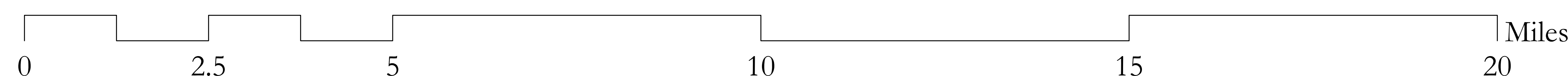
Oceana



Pineville

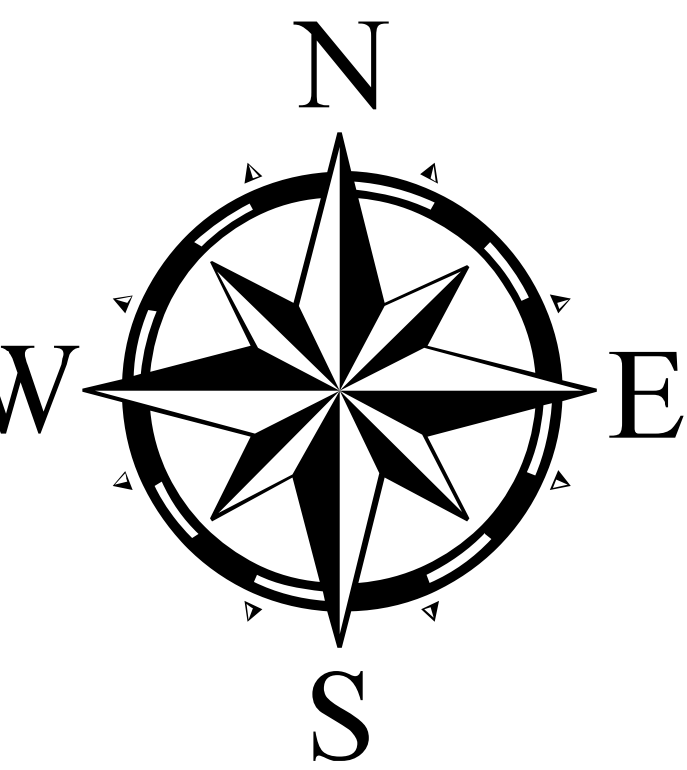


Mullens



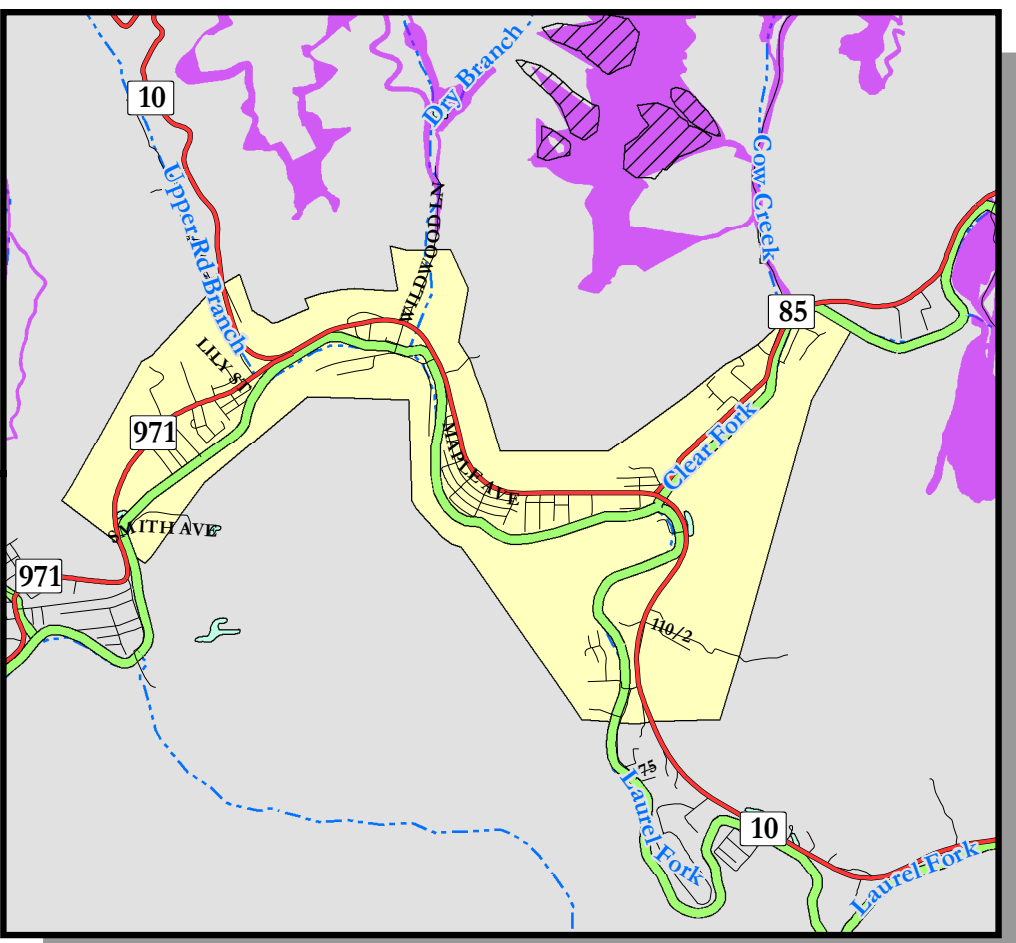
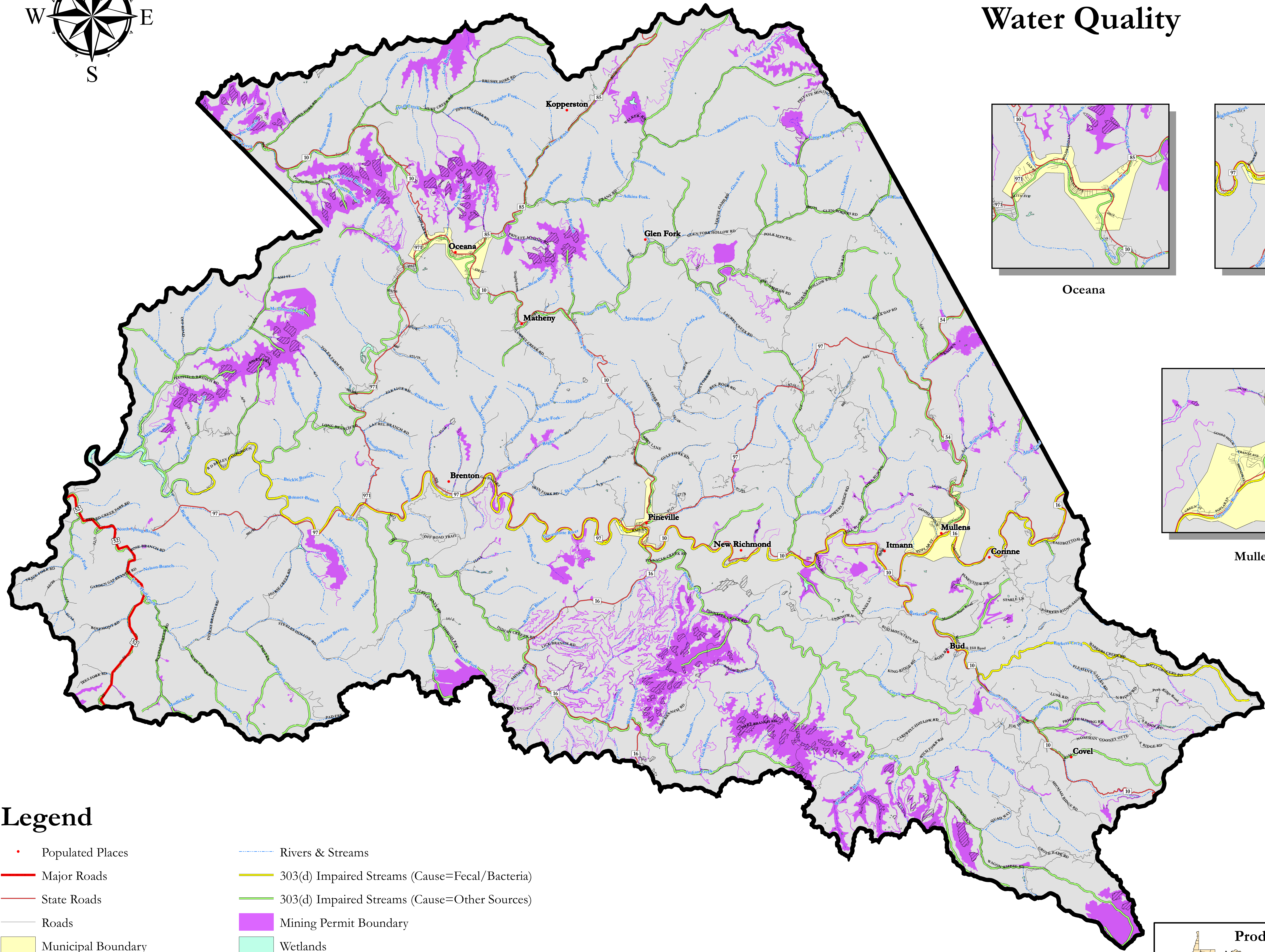
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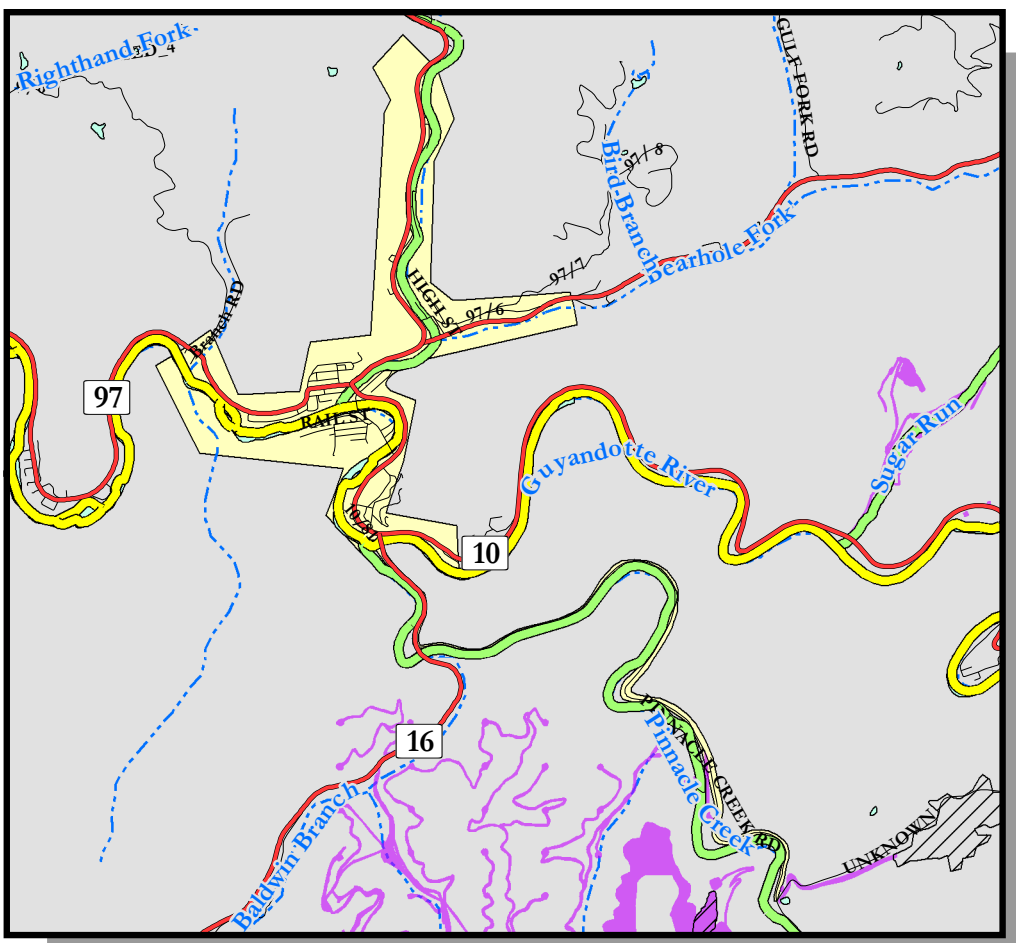


# Upper Guyandotte Watershed

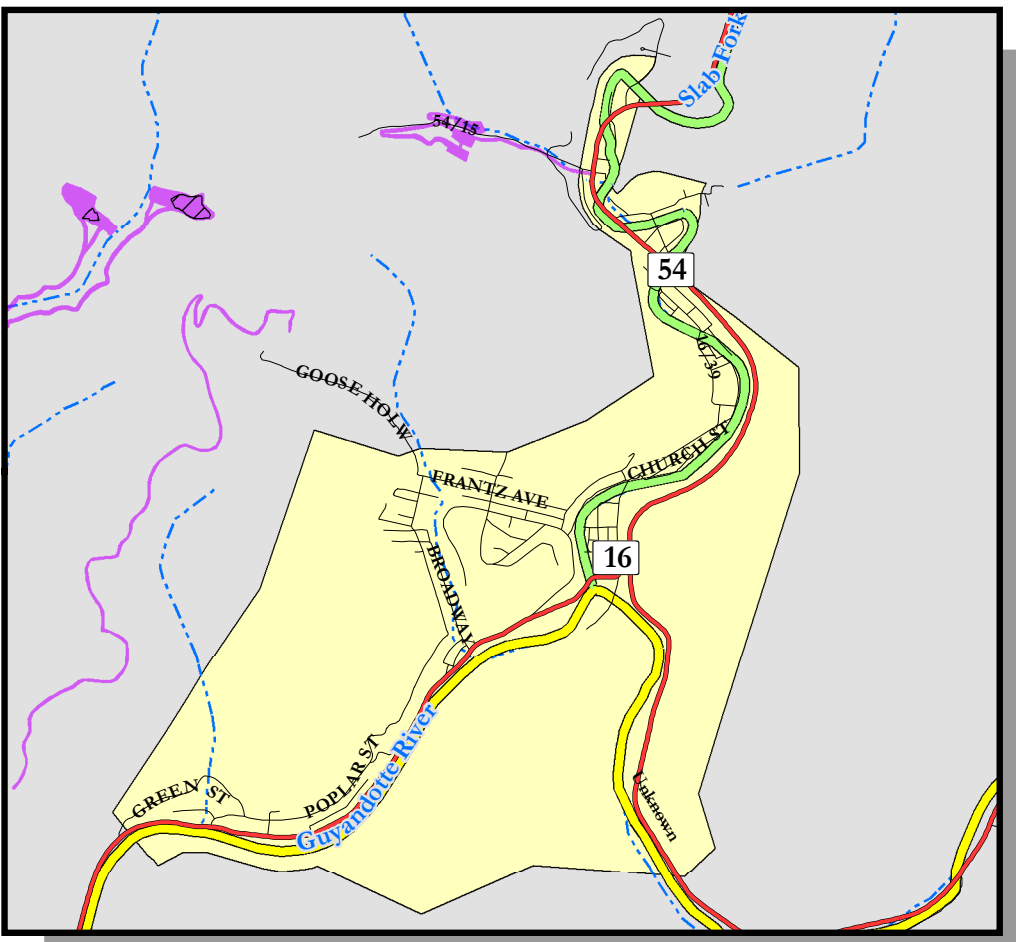
## Water Quality



Oceana



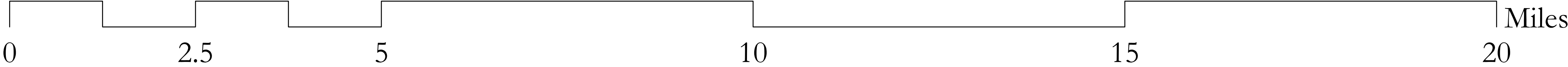
Pineville



Mullens

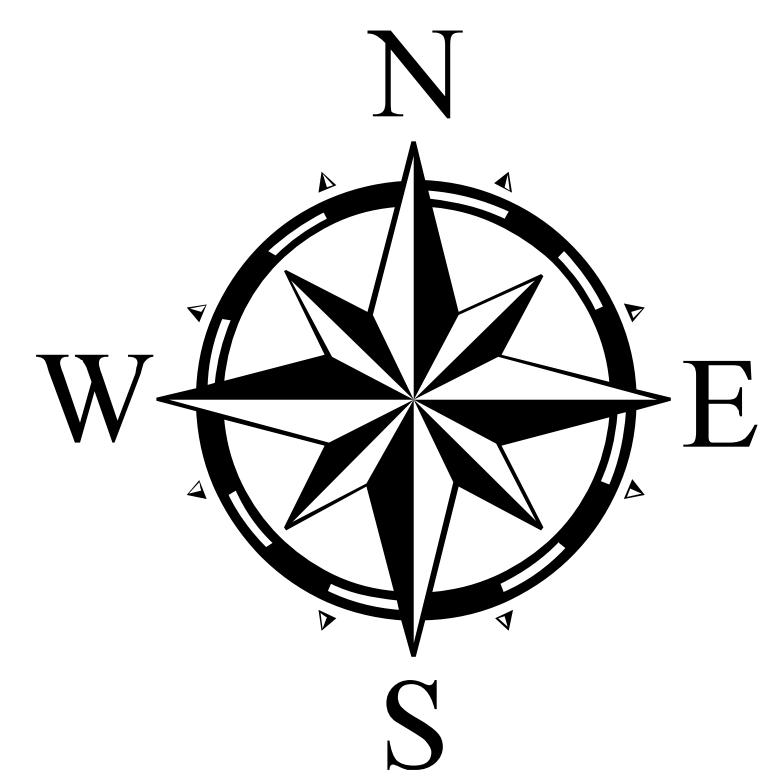
### Legend

- Populated Places
- Major Roads
- State Roads
- Roads
- Municipal Boundary
- Watershed & County Boundary
- Rivers & Streams
- 303(d) Impaired Streams (Cause=Fecal/Bacteria)
- 303(d) Impaired Streams (Cause=Other Sources)
- Mining Permit Boundary
- Wetlands
- Mining Valley Fills



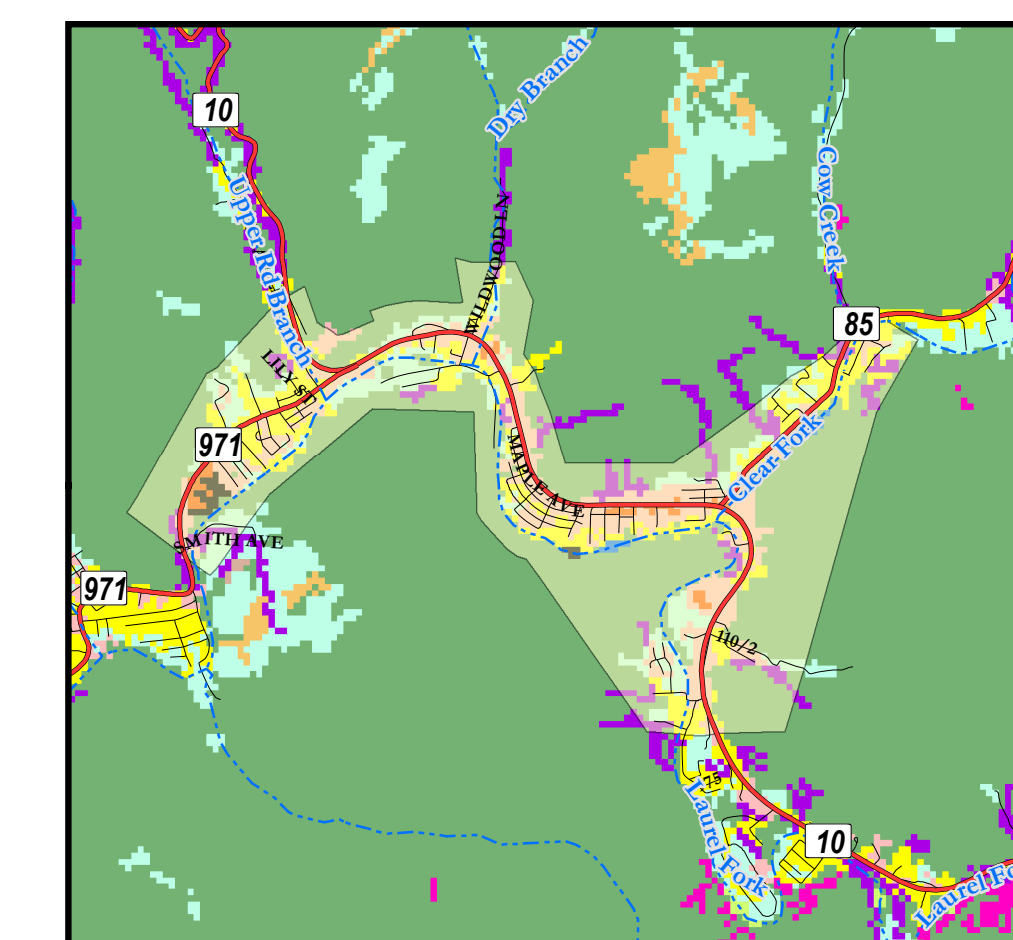
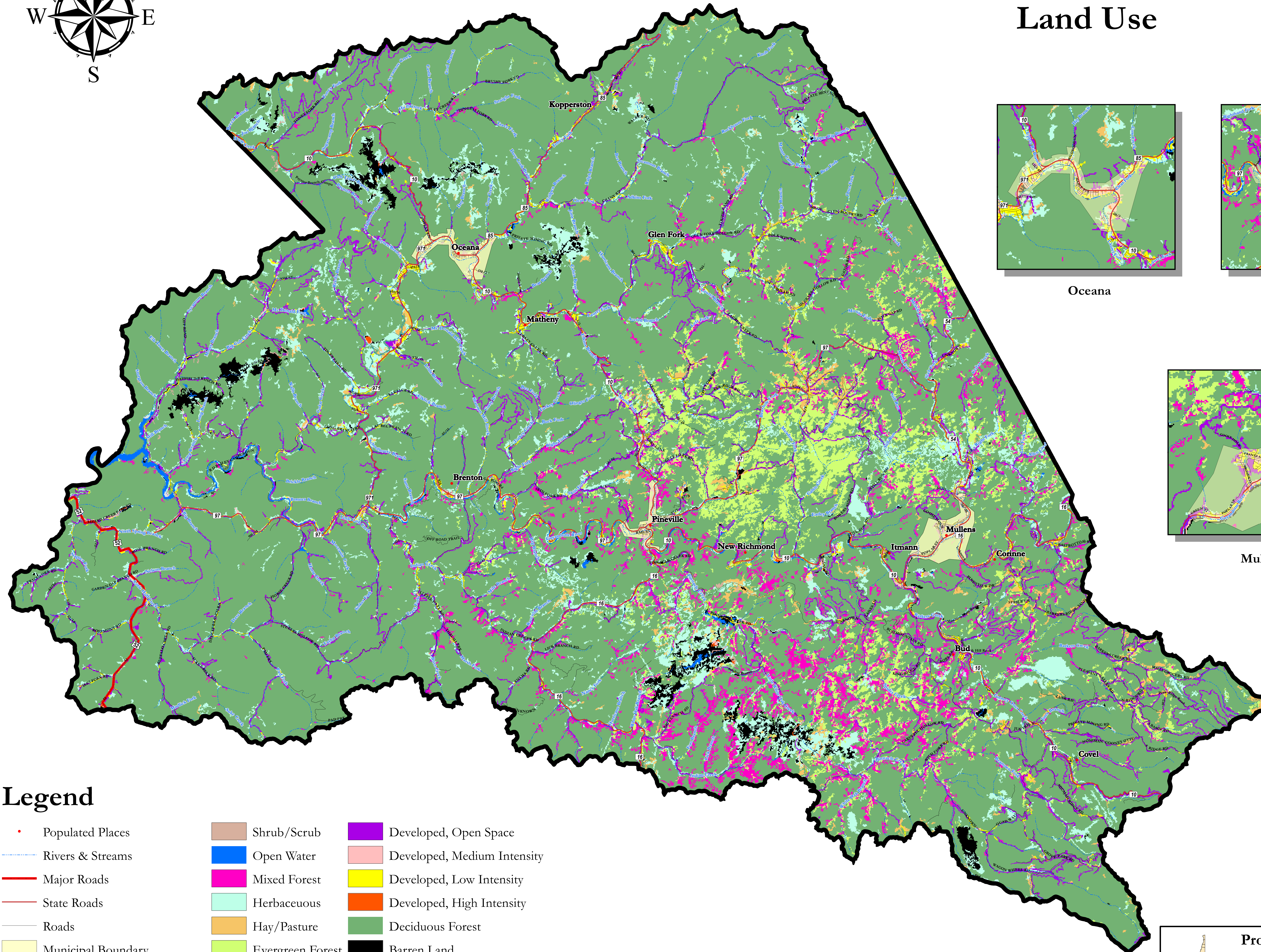
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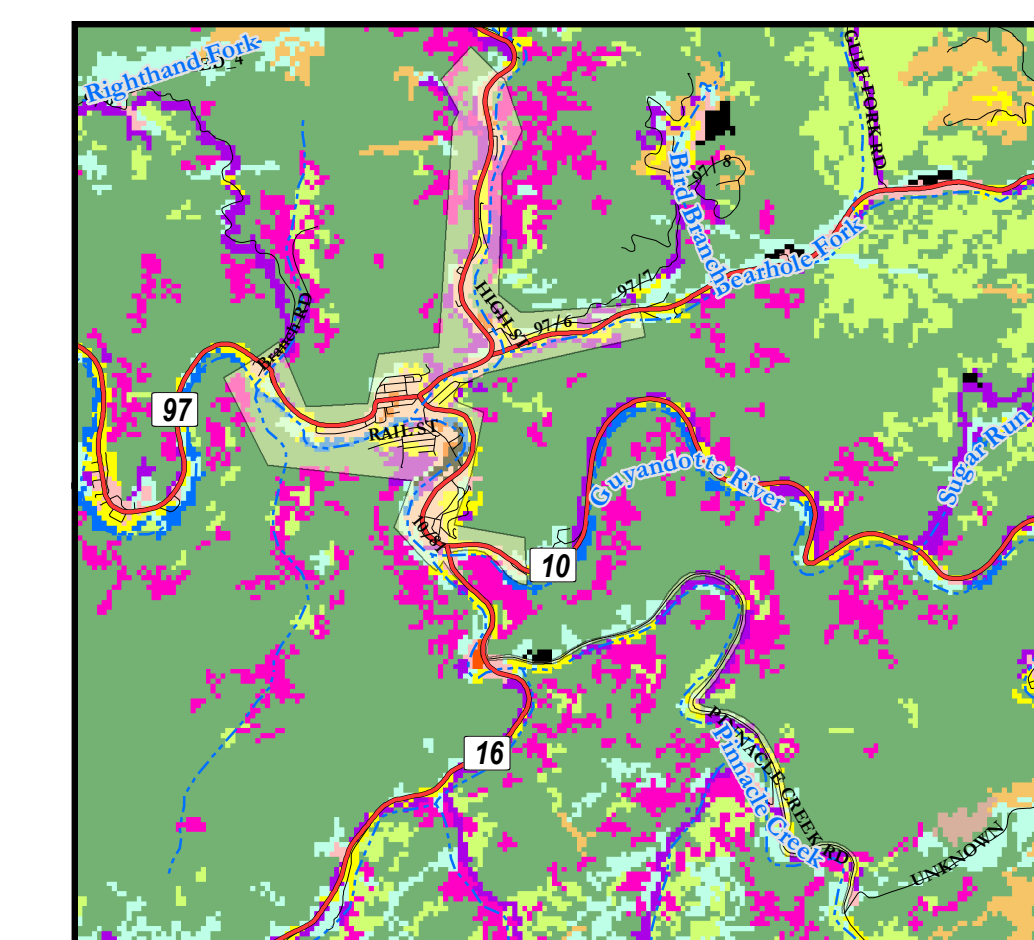


# Upper Guyandotte Watershed

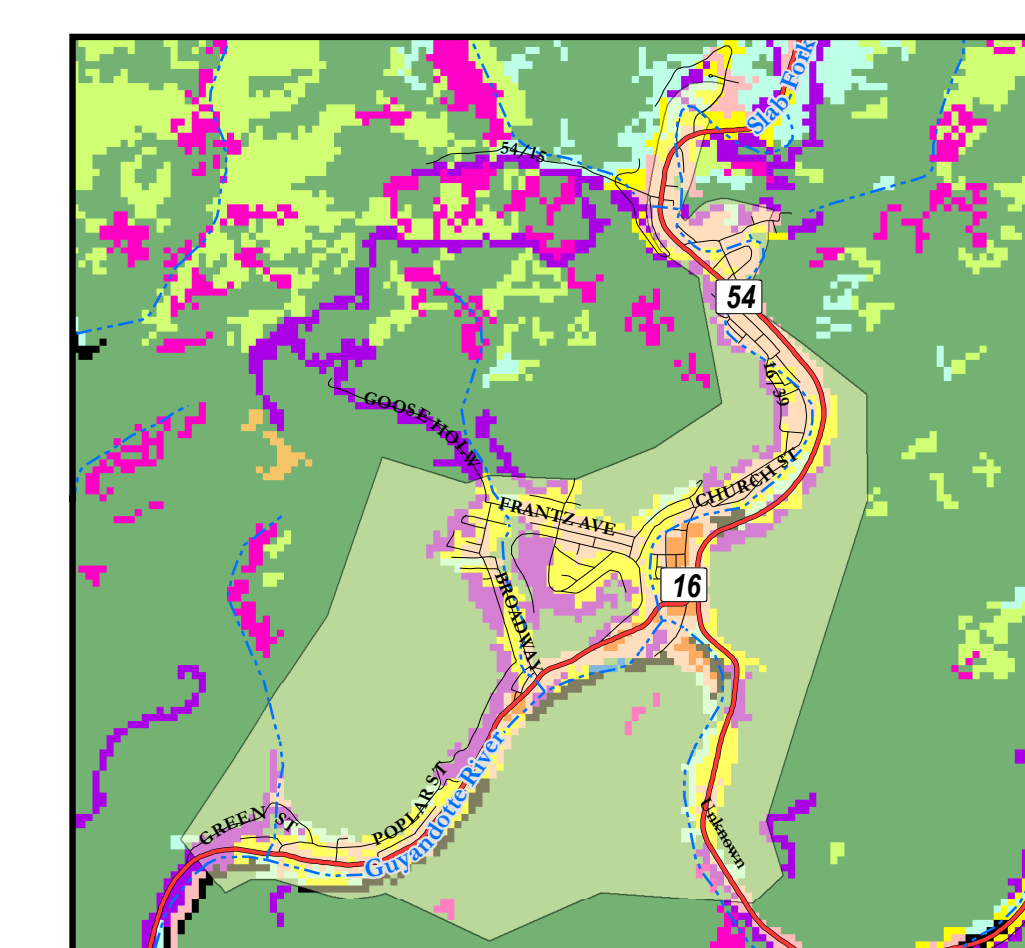
## Land Use



Oceana



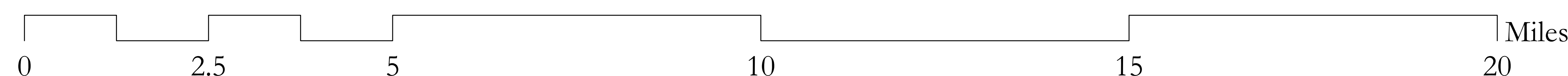
Pineville



Mullens

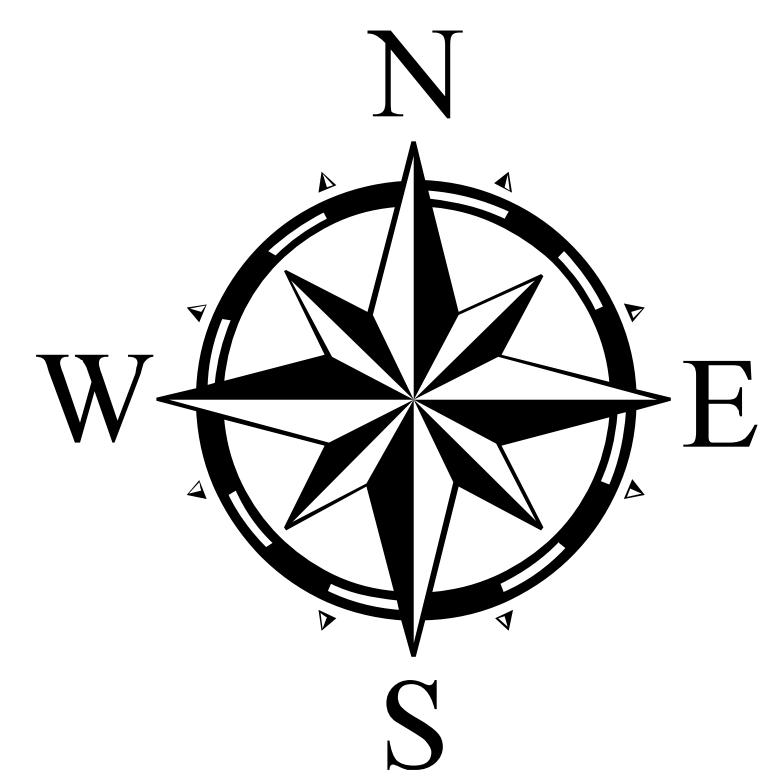
### Legend

- Populated Places
- Rivers & Streams
- Major Roads
- State Roads
- Roads
- Municipal Boundary
- Watershed & County Boundary
- Shrub/Scrub
- Open Water
- Mixed Forest
- Herbaceous
- Hay/Pasture
- Evergreen Forest
- Developed, Open Space
- Developed, Medium Intensity
- Developed, Low Intensity
- Developed, High Intensity
- Deciduous Forest
- Barren Land



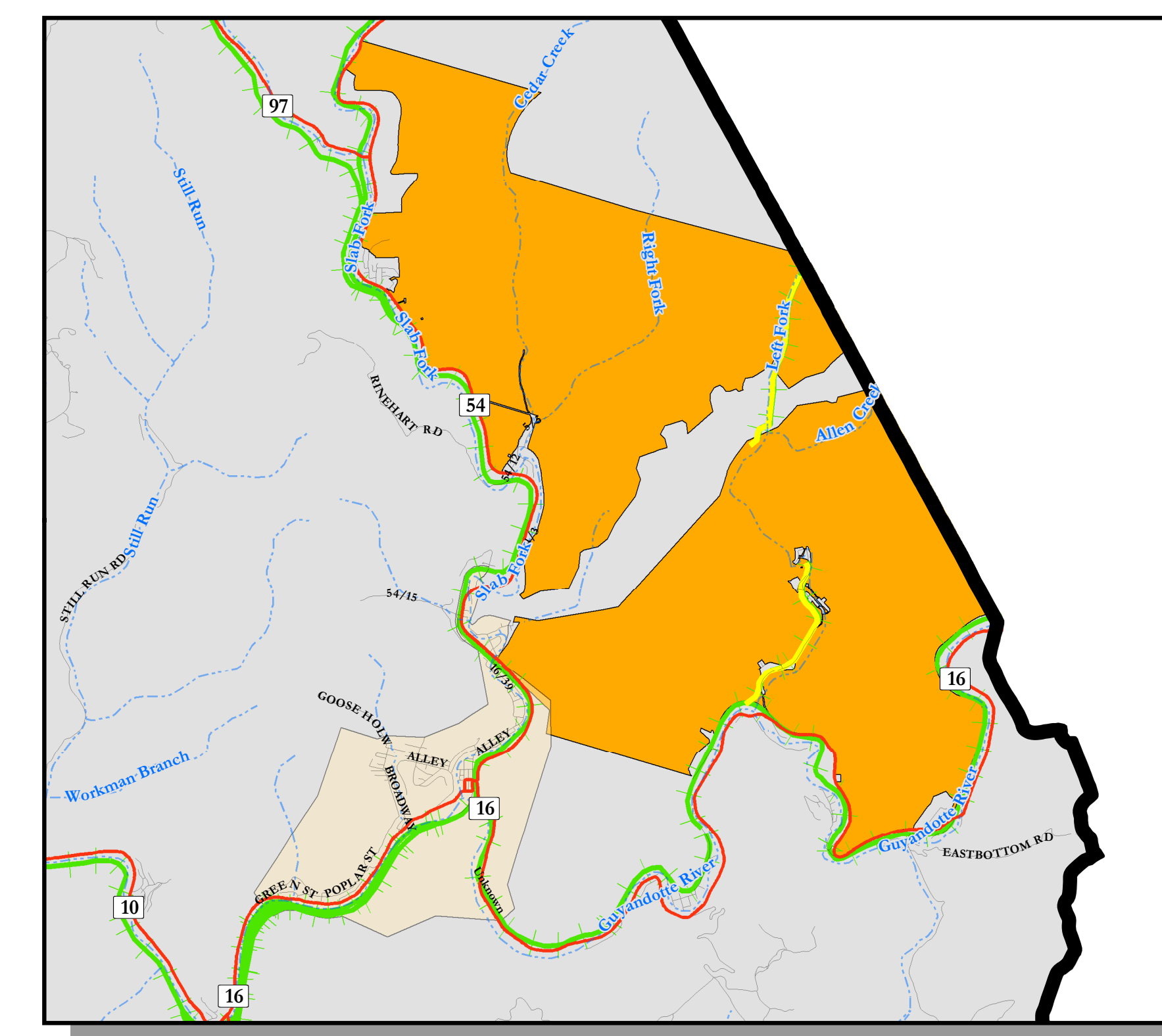
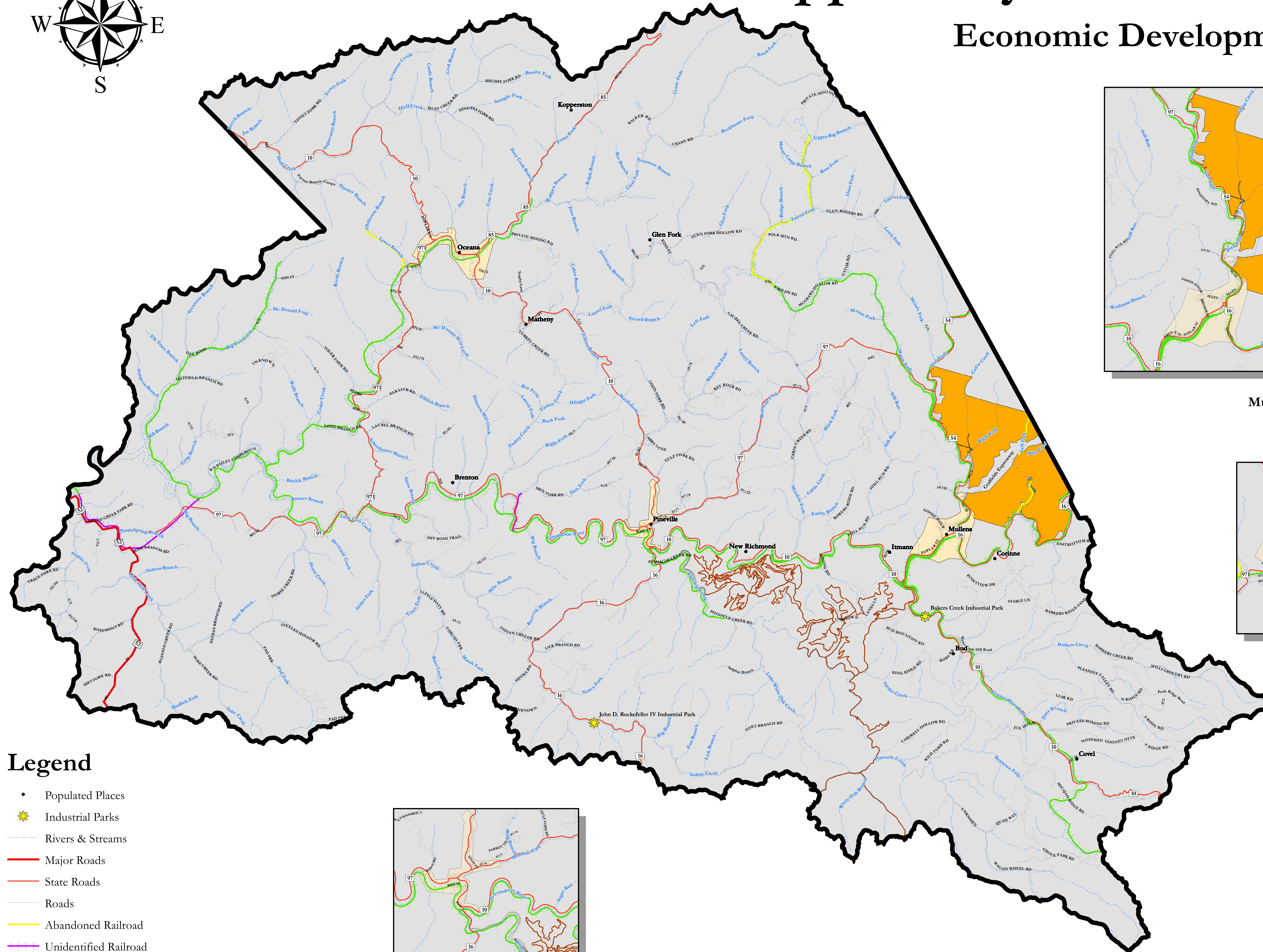
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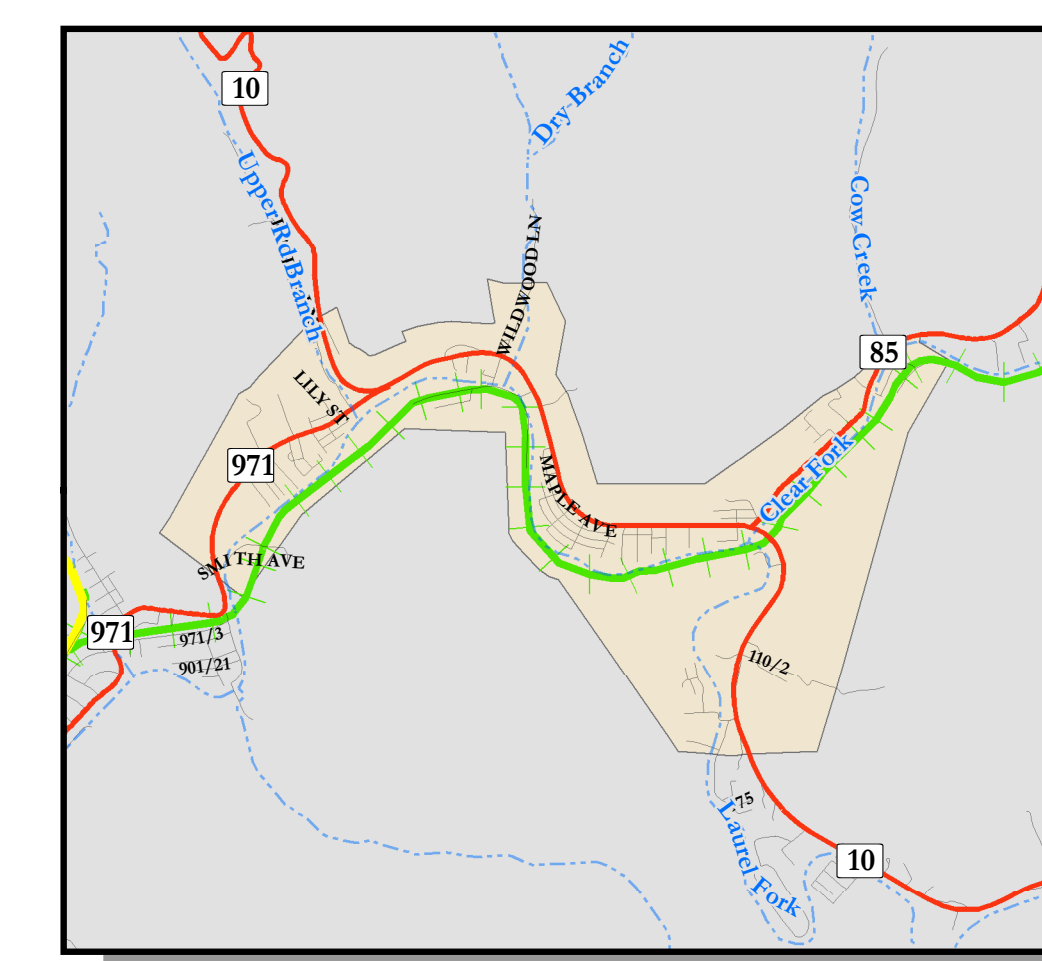


# Upper Guyandotte Watershed

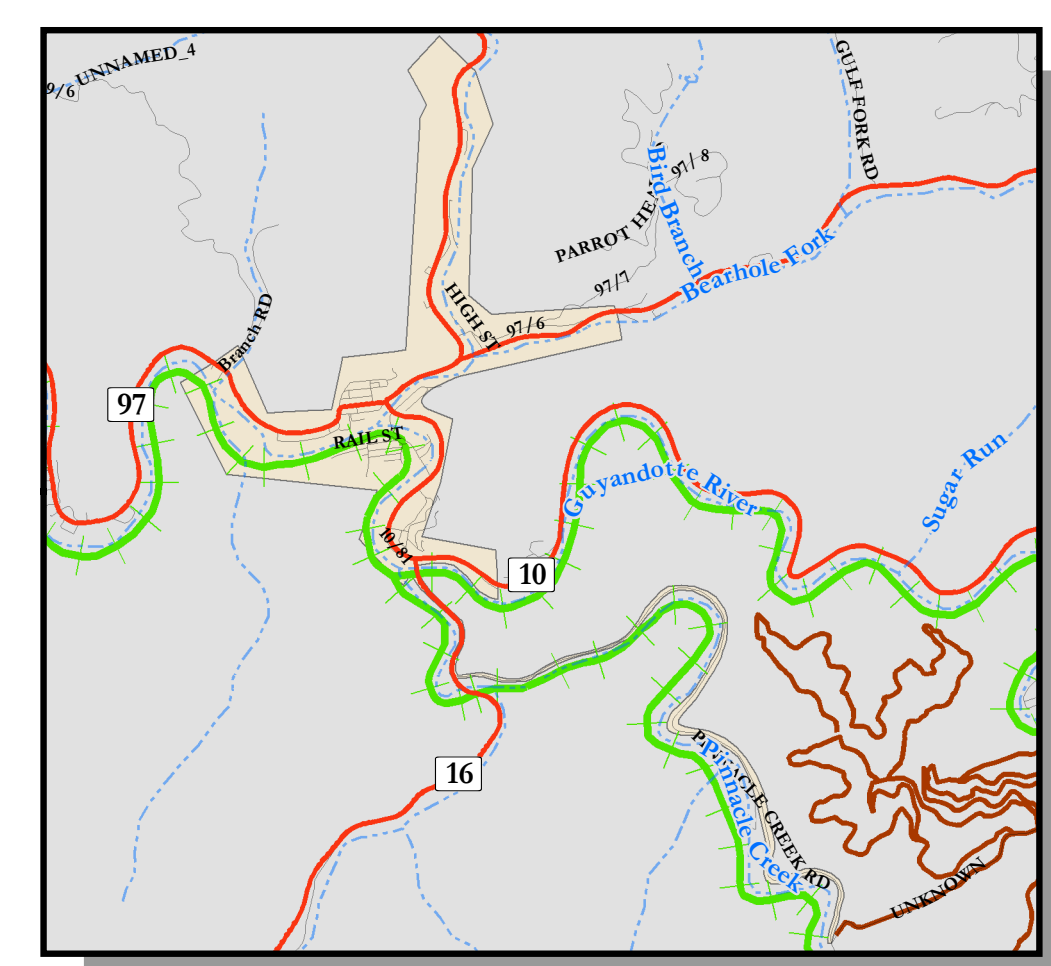
## Economic Development



Mullens



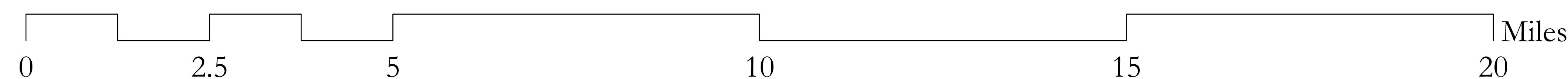
Oceana



Pineville

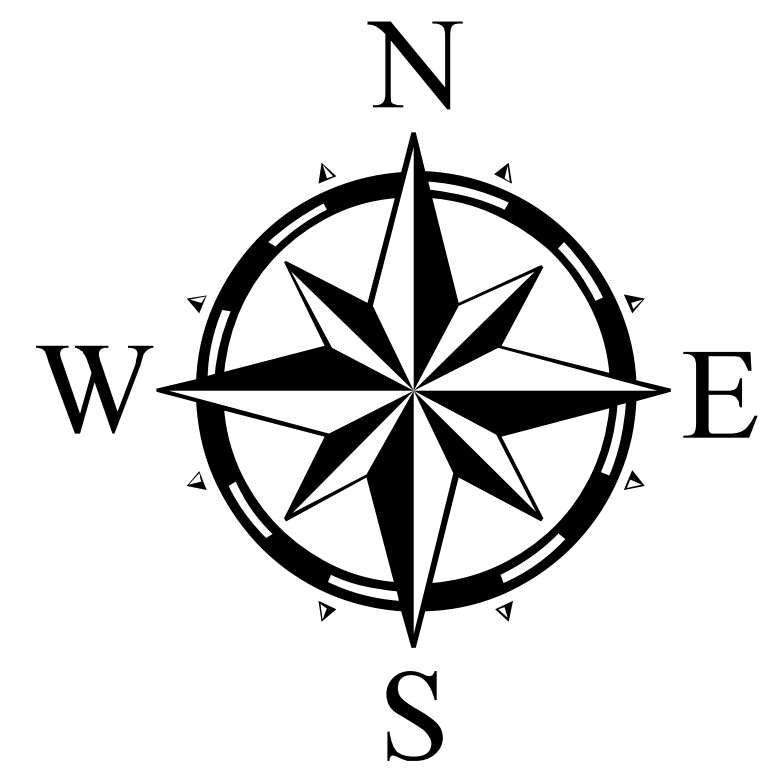
### Legend

- Populated Places
- ✻ Industrial Parks
- Rivers & Streams
- Major Roads
- State Roads
- Roads
- Abandoned Railroad
- Unidentified Railroad
- Norfolk Southern Railroad
- Hatfield-McCoy Trail System-Dirt Trail (ATV, UTV, & Dirt Bikes)
- Proposed Annexations/Targeted Development Area
- Municipal Boundary



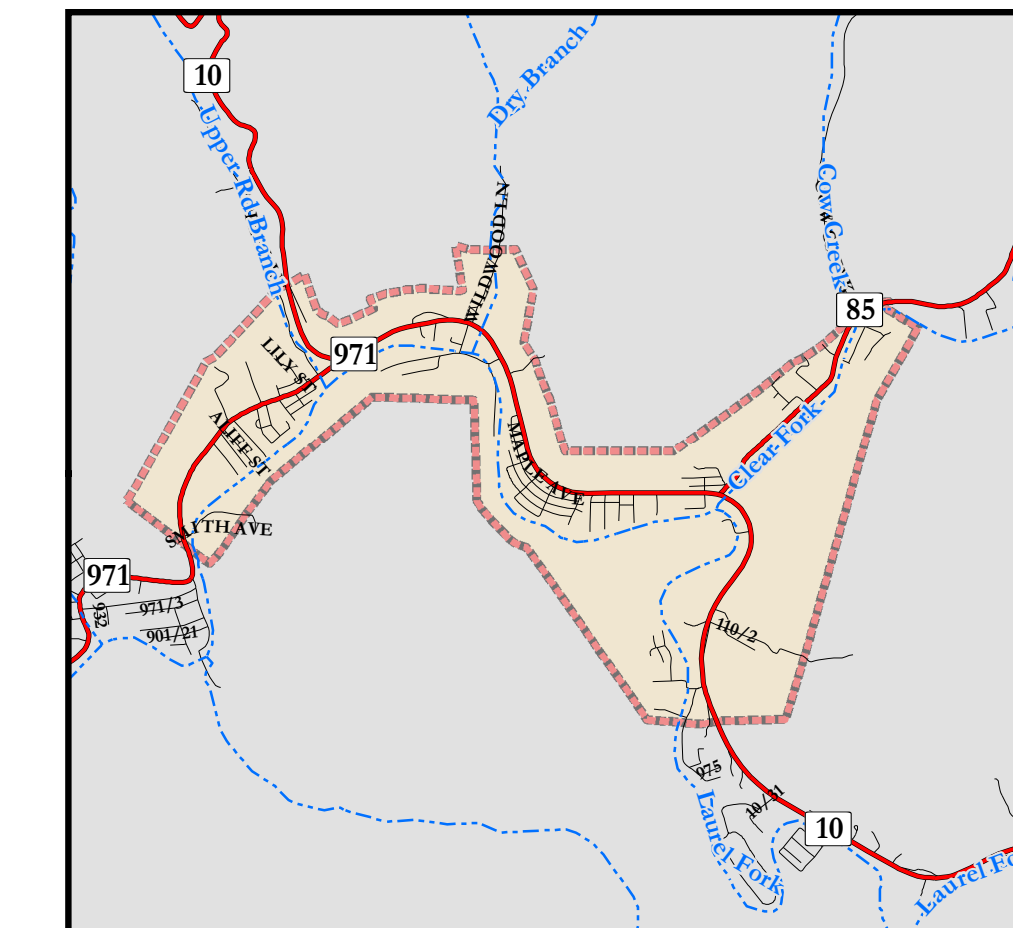
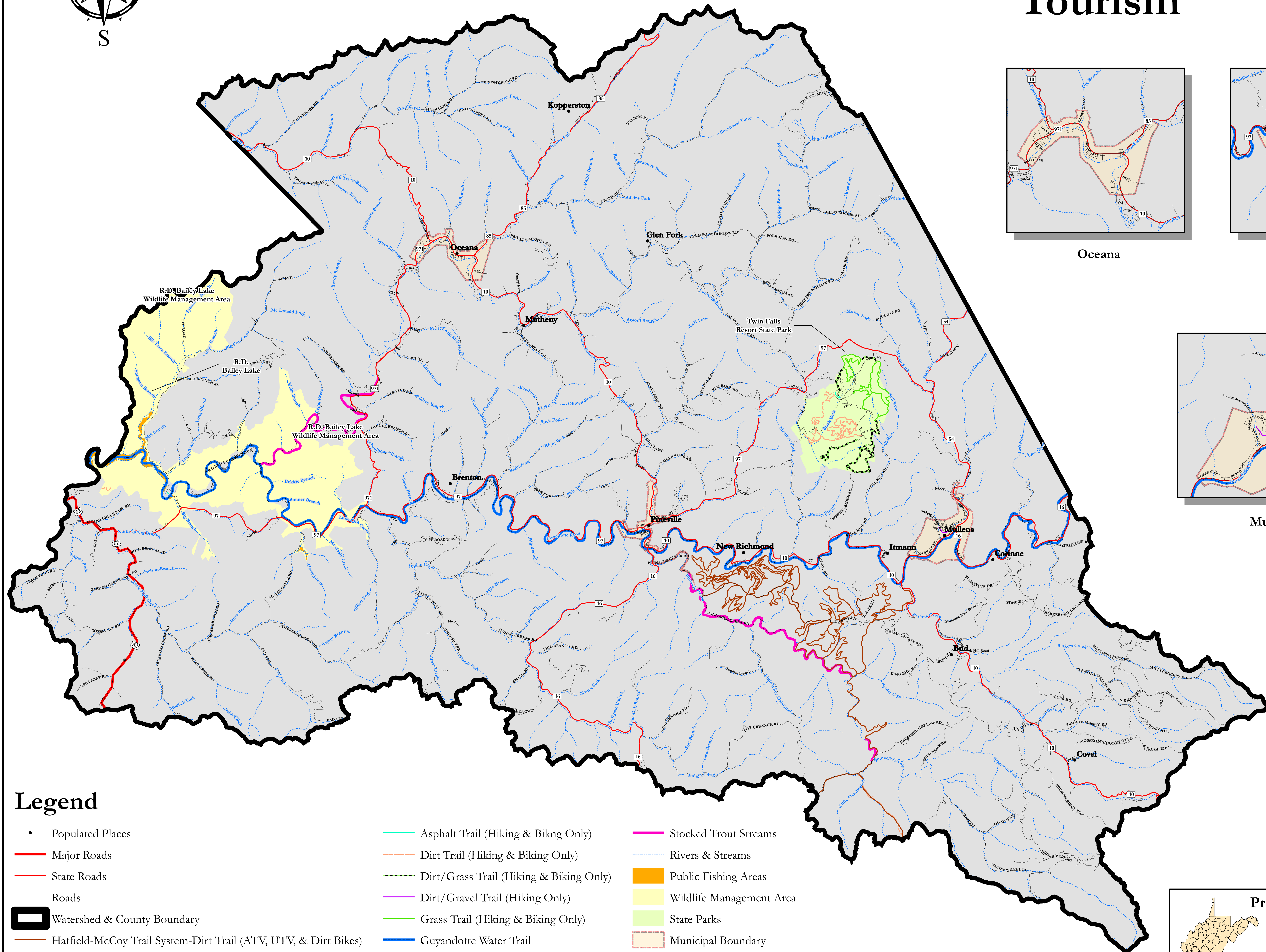
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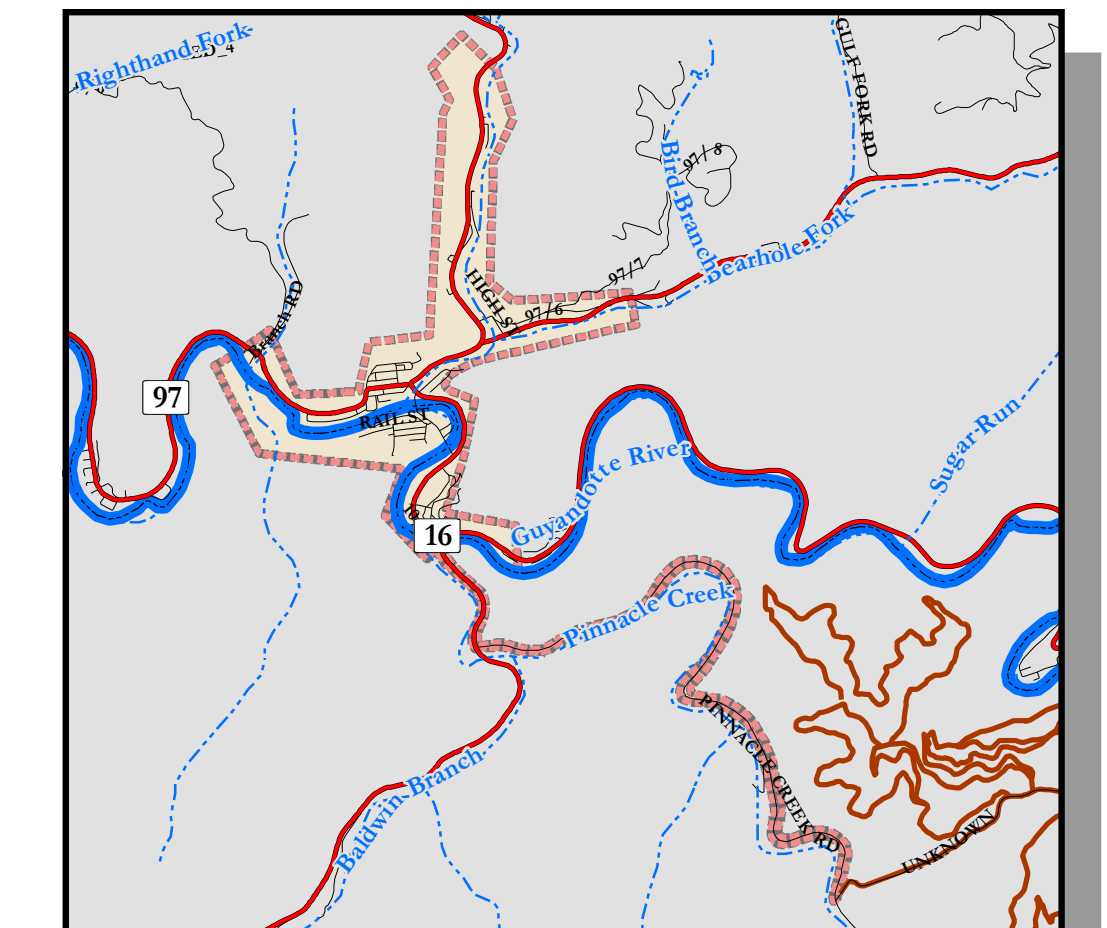


# Upper Guyandotte Watershed

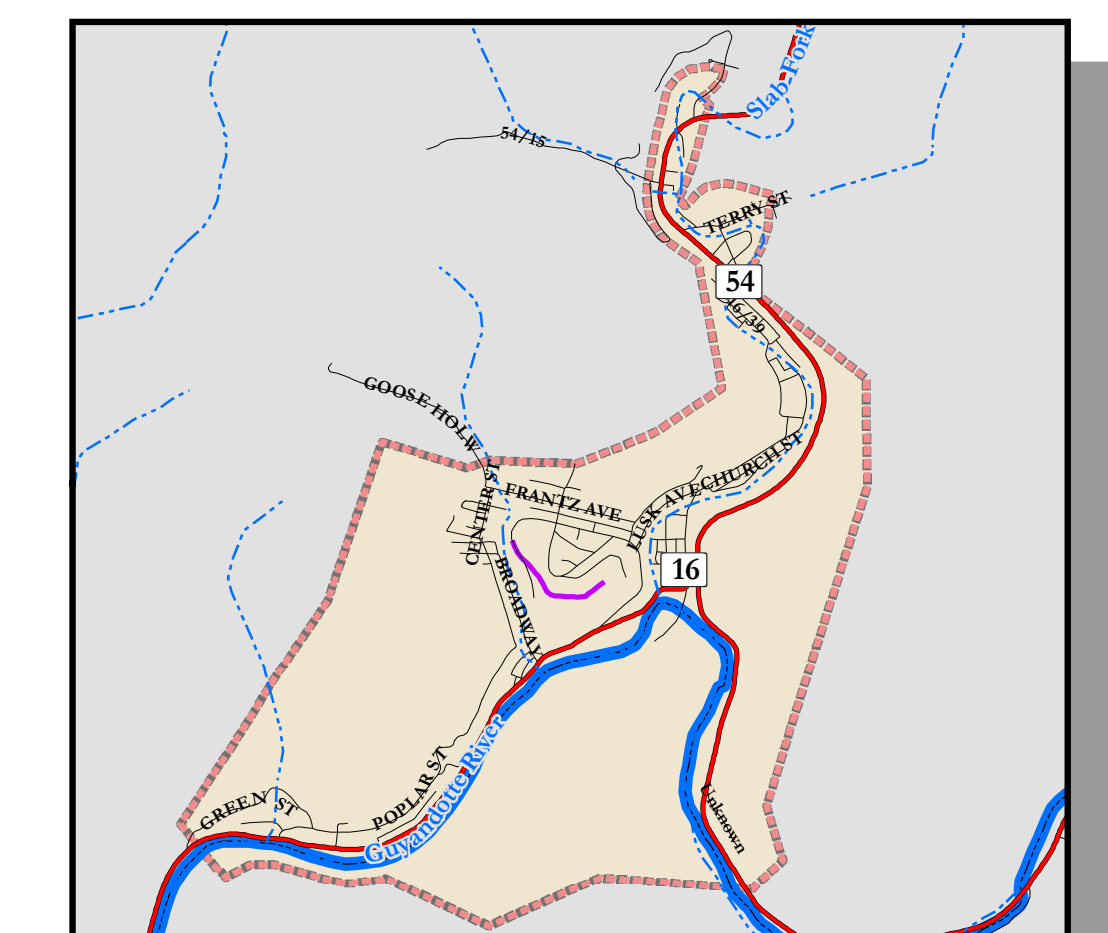
## Tourism



Oceana



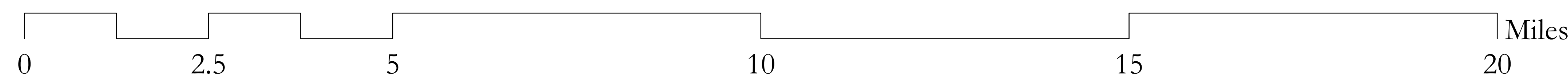
Pineville



Mullens

### Legend

- Populated Places
- Major Roads
- State Roads
- Roads
- Watershed & County Boundary
- Hatfield-McCoy Trail System-Dirt Trail (ATV, UTV, & Dirt Bikes)
- Asphalt Trail (Hiking & Biking Only)
- Dirt Trail (Hiking & Biking Only)
- Dirt/Grass Trail (Hiking & Biking Only)
- Dirt/Gravel Trail (Hiking Only)
- Grass Trail (Hiking & Biking Only)
- Guyandotte Water Trail
- Stocked Trout Streams
- Rivers & Streams
- Public Fishing Areas
- Wildlife Management Area
- State Parks
- Municipal Boundary



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