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GIS Web Mapping

Assignment #7

SUMMARY

The Virginia Park single use web map is designed to identify state, municipal, private parks and recreation centers across the state of Virginia for use by state residents and visitors. The map is not all encompassing but does included the majority of public parks across the state. It does not include national parks or recreation areas. Users will be able to

- Identify parks nearby
- Identify parks or trails in a specific county
- Identify parks within x miles of them.
- Differentiate state parks from local parks.
- View the legend and scale bar.
- Print off a copy of the map
- View the map on mobile devices
- Share the map with others
- Find birding trails nearby.
- Find their own location if enabled.

MAP DESIGN

Layer Color Choices

There are three layers composing this simple web map.

1. Vector layer of city/county boundaries in Virginia. This layer is a boundary layer distinguishing counties from one another. A thin gray line is used.

2. Point layer of identified Virginia Parks. The point layer consists of small 8px points in green.

3. Point layer of public and private birding and wildlife trails. The point layer consists of small 10px points in blue identifying them as birding/wildlife trails.

Layer Typography

The background and the VA parks layer both have typography associated. The background layer has labels with a Playfair type face. States have a Playfair Bold typeface, all other labels including counties, major cities, minor cities and neighborhoods have a Playfair typeface regular. The background labels are minimal with only large metropolitan areas showing until the zoom level increases.

The VA Parks layer has a Playfair Bold Italics typeface. These labels are individual to the park and can be lengthy. Labels are only apparent with users zoom in close to the park, after which the label appears.

Symbology

Layer symbology is simple for this single purpose web map.

- The Virginia cities and counties outline layer is a thin gray line of 1px width. This allows the user to identify municipality boarders without them being too overdrawn.
- The Virginia parks layer identifies state and local parks with a small green point. On zooming in above level 7 the points are also accompanied with a label as described above. The color green was chosen as the parks represent green spaces. An example is shown below.
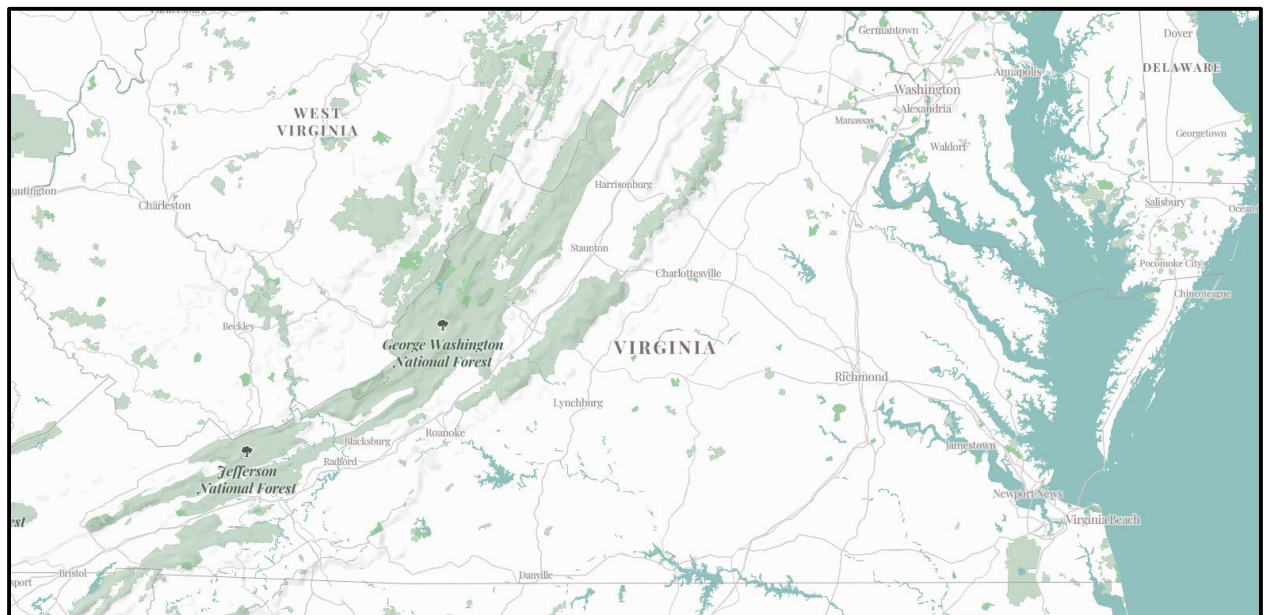

- The birding and wildlife trails layer is identified with a small blue dot. Similar to the Virginia parks layer, this layer will also display the name when users zoom in above a 7. The color blue was chosen because many Virginia birds such as the mocking jay and bluebird are vibrant blue colors. An example is shown below.

Background

The background used for this map is a basic style that was customized for this particular map. This style was chosen to highlight green spaces and waterways, which many parks and trails are created in and around. An example is shown below.

Data Catalog

1. Background: This layer was created using Mapbox background layers with customized colors and text styles.
2. The Virginia cities and counties layer was uploaded to Mapbox as a tileset and covers the state of Virginia.
3. The Virginia parks layer was uploaded to Mapbox as a tileset and includes public and private parks across the state.
4. The Virginia birding and wildlife trails layer was uploaded to Mapbox as a tileset and includes public and private trails that the state has identified as birding or wildlife trails across the state of Virginia.