Examining Employment Data with OnTheMap and GIS: A Comparison of the Baltimore Washington Corridor and the Interstate 270 Technology Corridor

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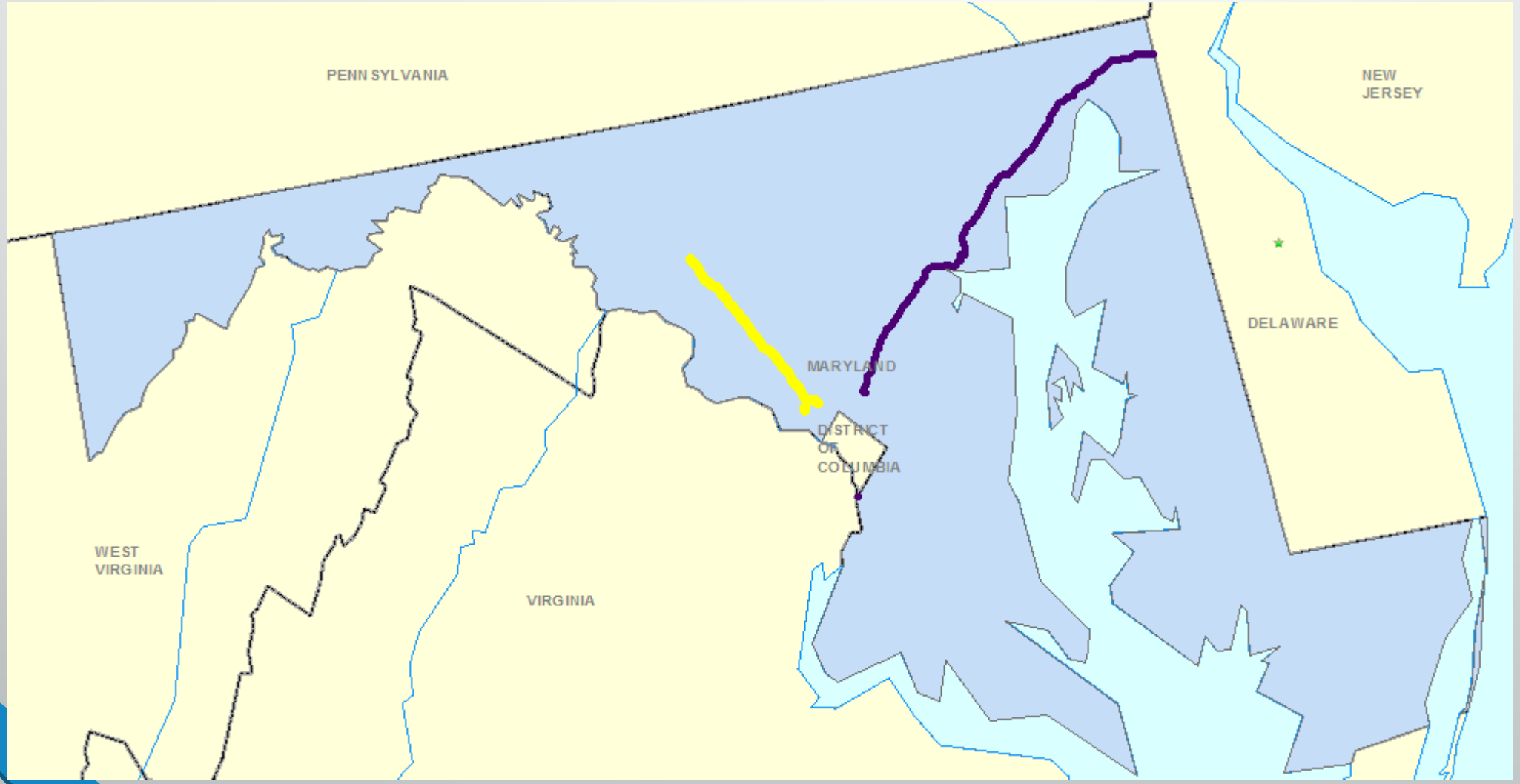
Outline

- Research Question
- Study Area
- Methodology
- Results
- Conclusion
- Q&A

Research Question

- How do trends in employment across industries vary across I-95 and I-270 within the state of Maryland?
- More specifically, which has a larger percentage of Professional, Scientific, and Technical Services

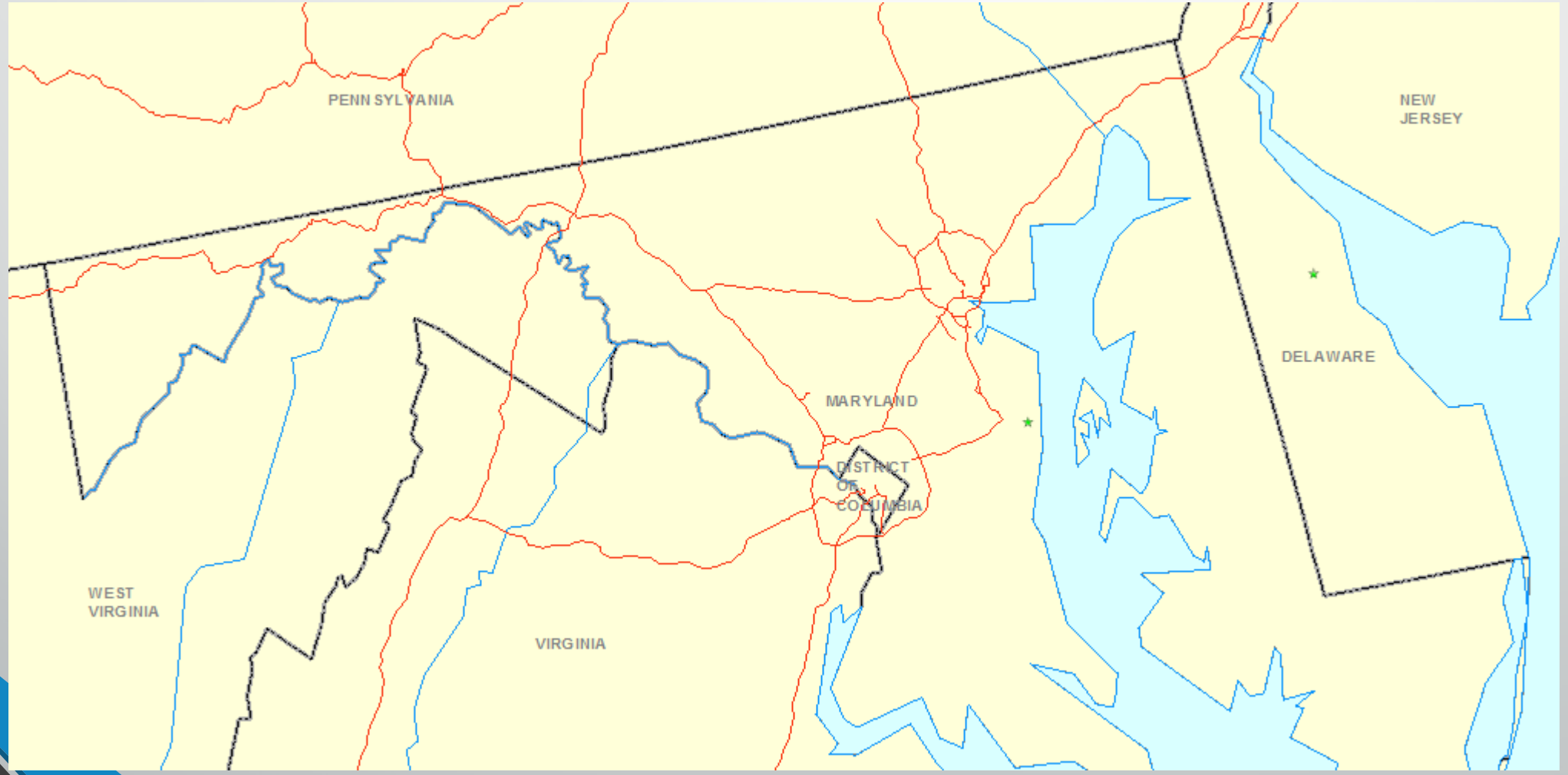
Study Area


PENNSYLVANIA
NEW JERSEY
DELAWARE
MARYLAND
DISTRICT OF COLUMBIA
WEST VIRGINIA
VIRGINIA

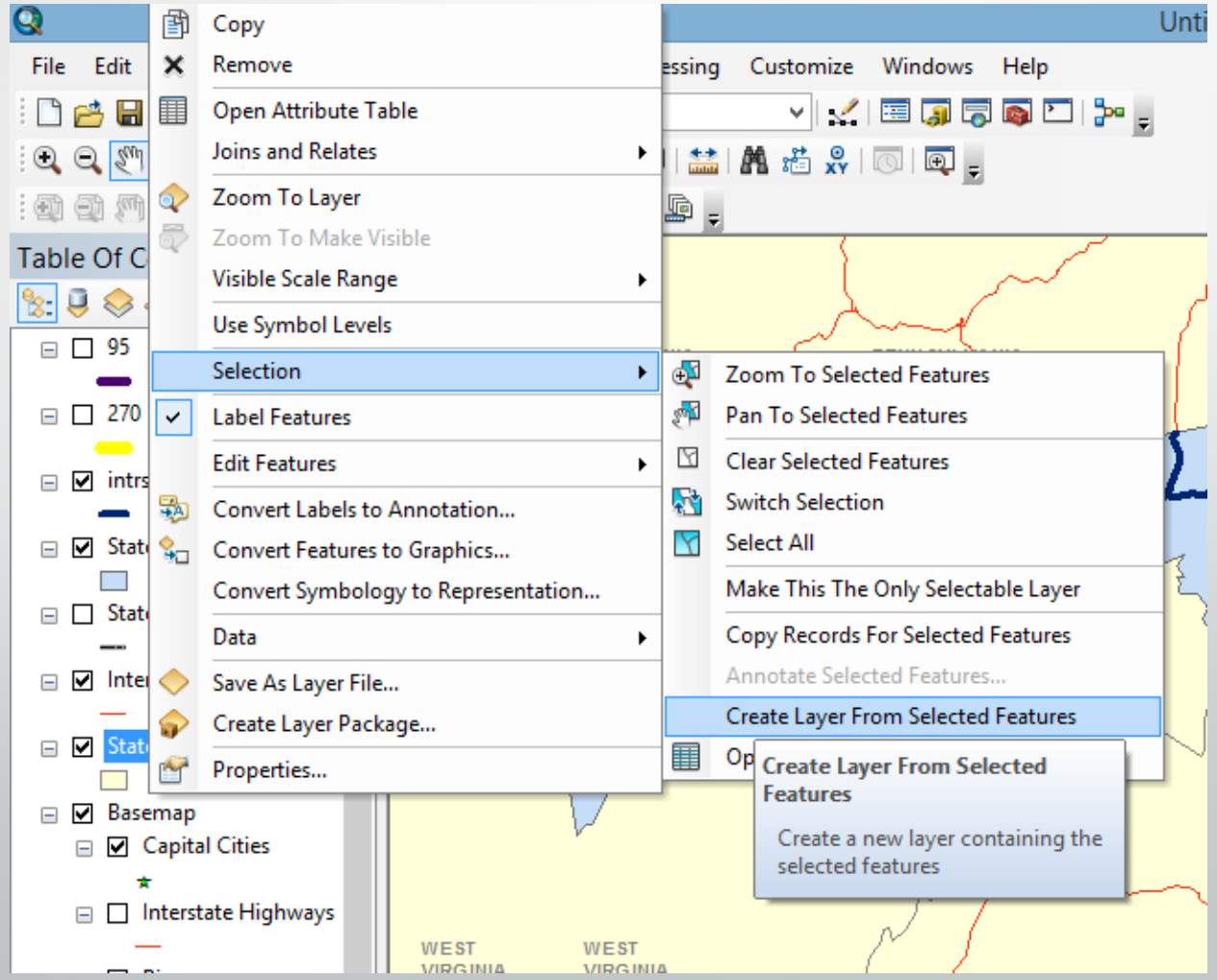
Methodology Overview

- Create Maryland specific I-95 and I-270 layers
- Buffer by 15 miles
- Clip buffered areas to capture areas within Maryland
- Convert to KML file
- Import to OnTheMap

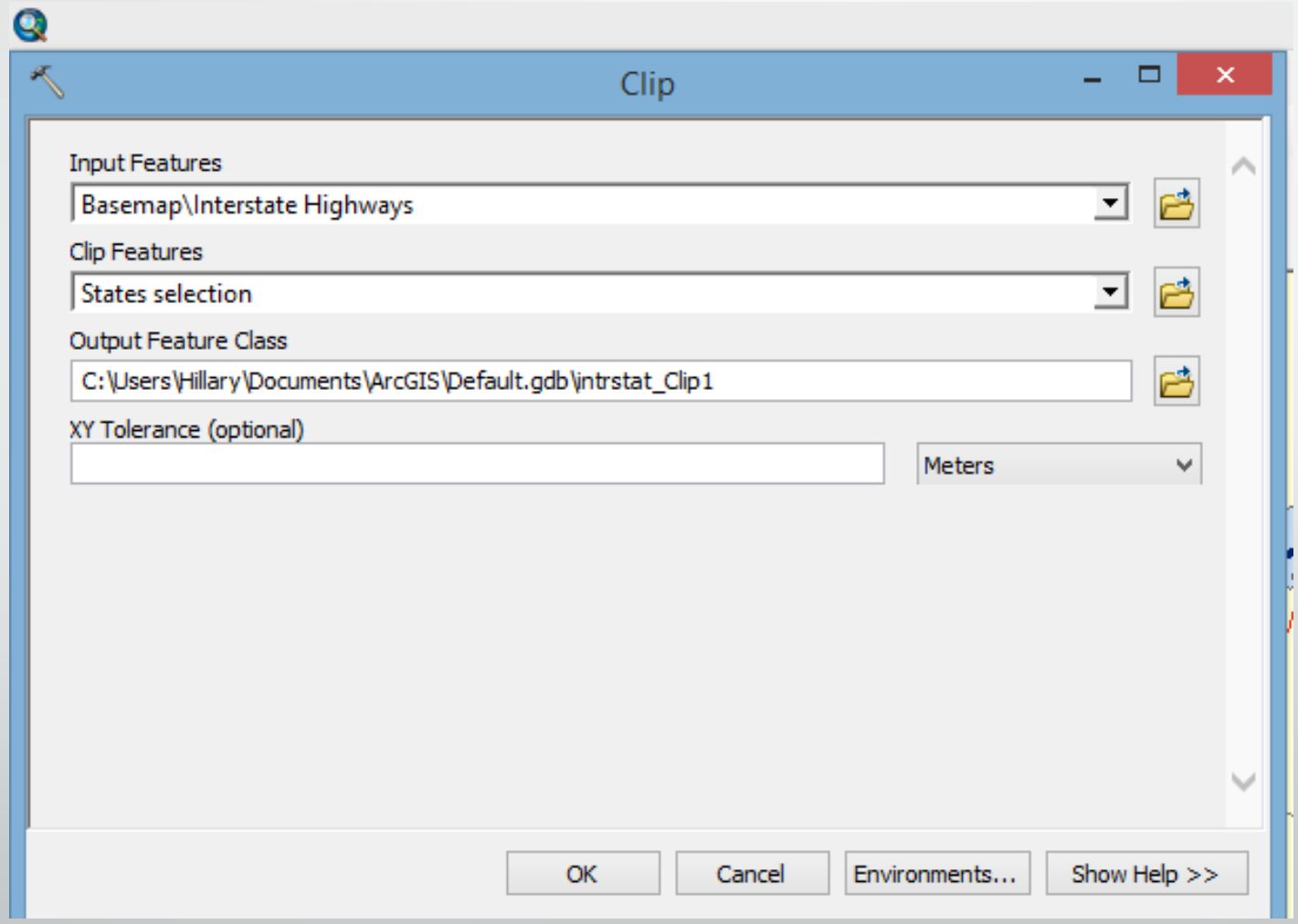
Create Maryland specific I-95 and I-270 layers



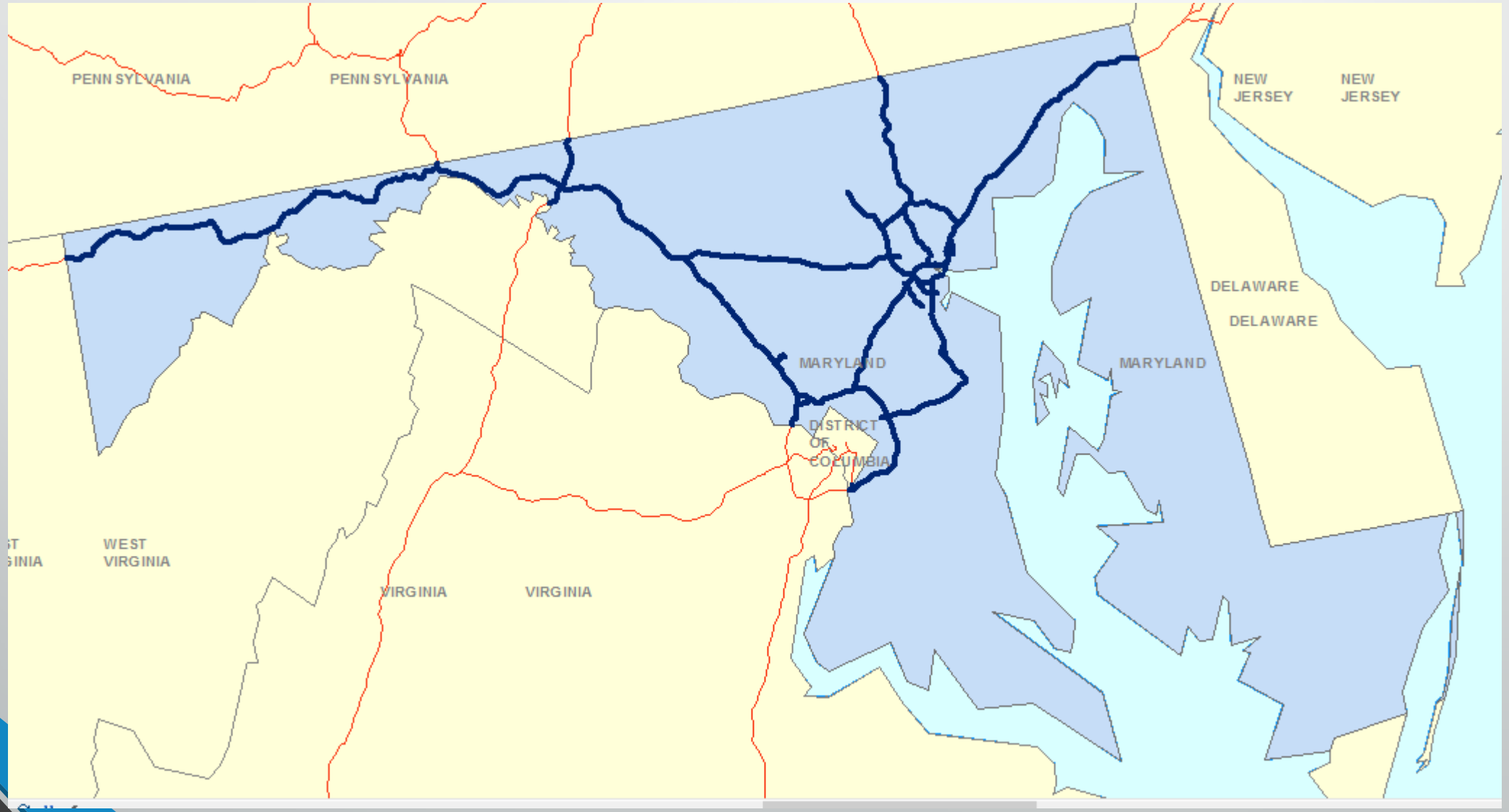
Create Maryland specific I-95 and I-270 layers



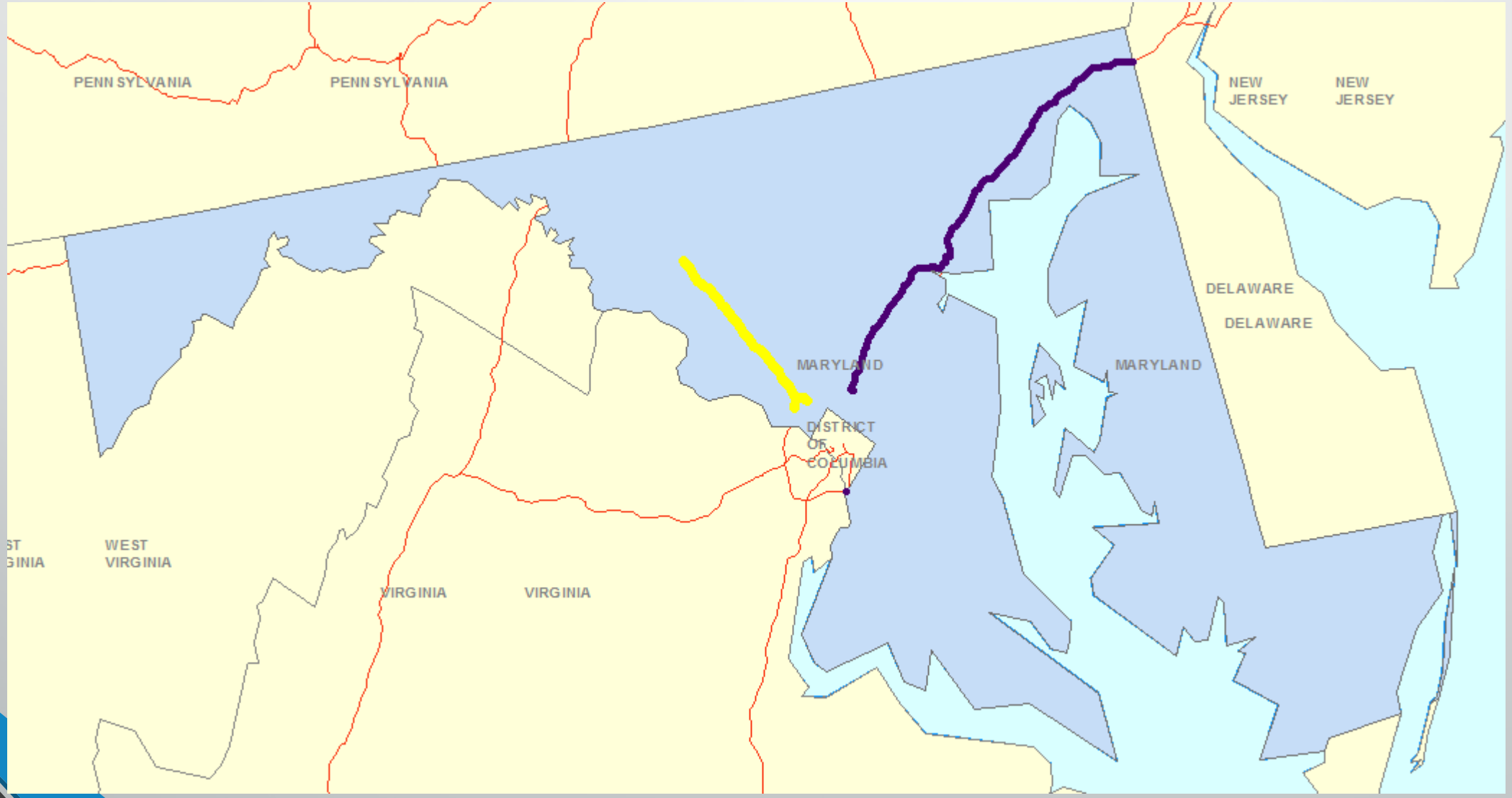
Create Maryland specific I-95 and I-270 layers



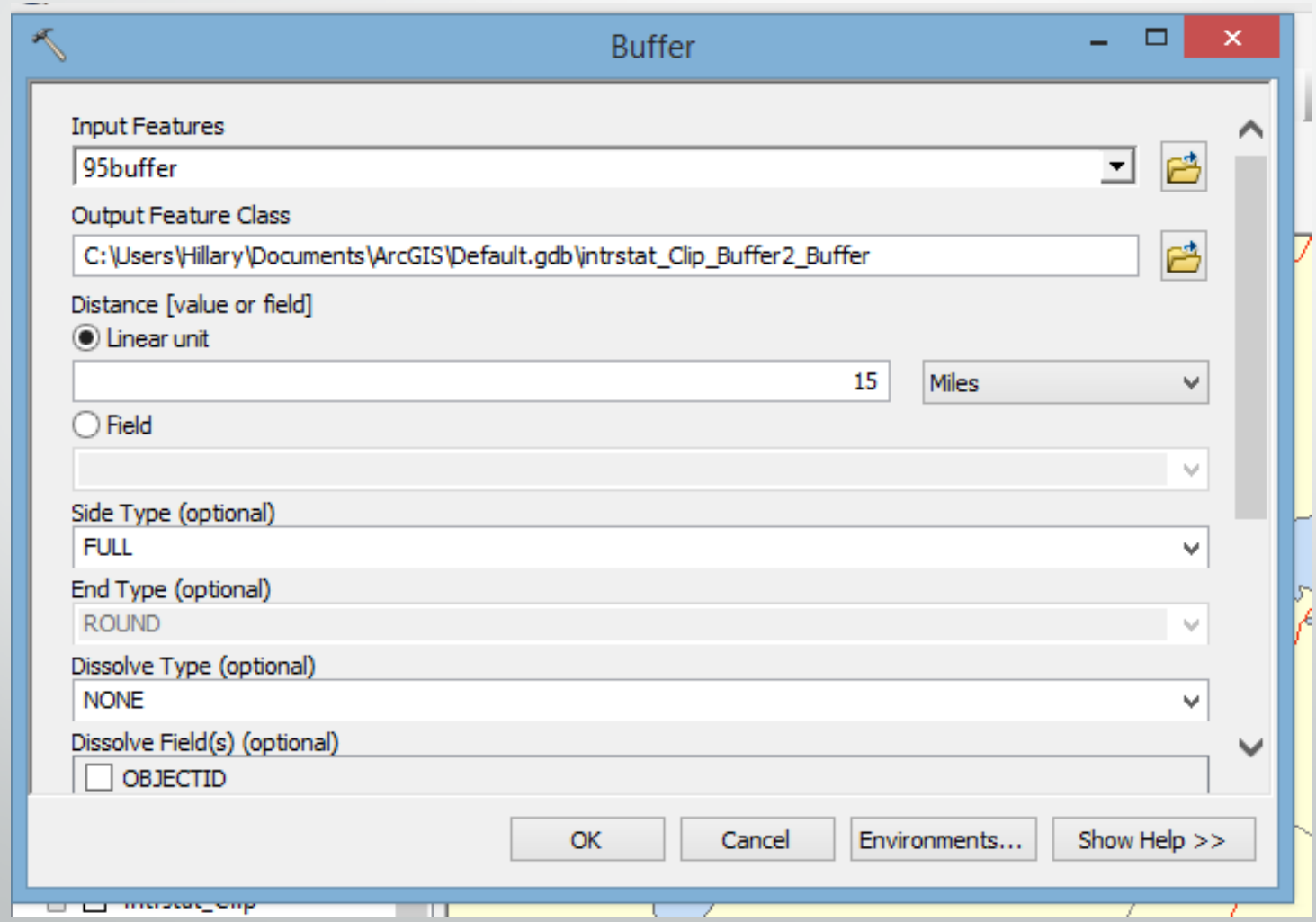
Create Maryland specific I-95 and I-270 layers



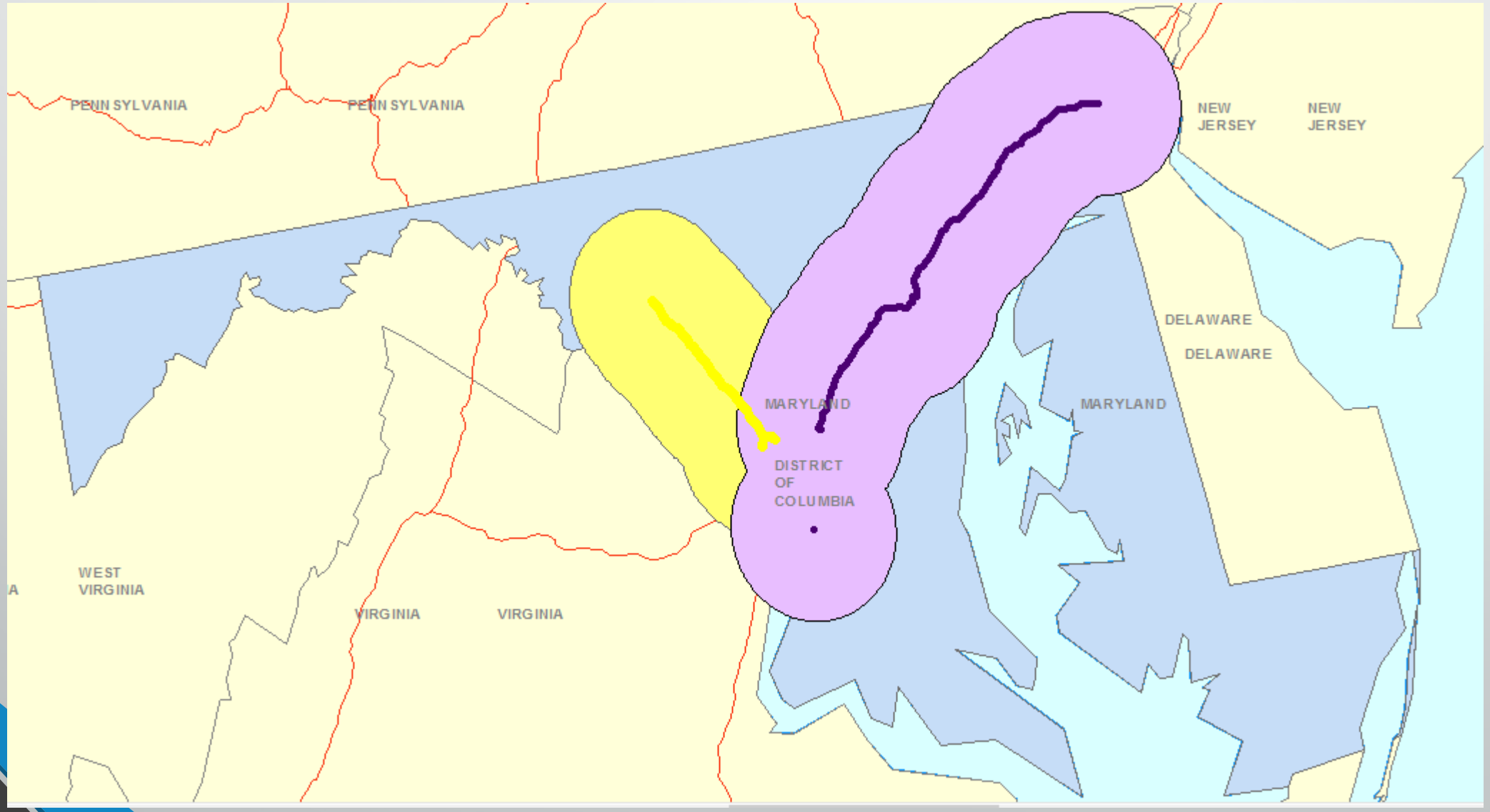
Create Maryland specific I-95 and I-270 layers



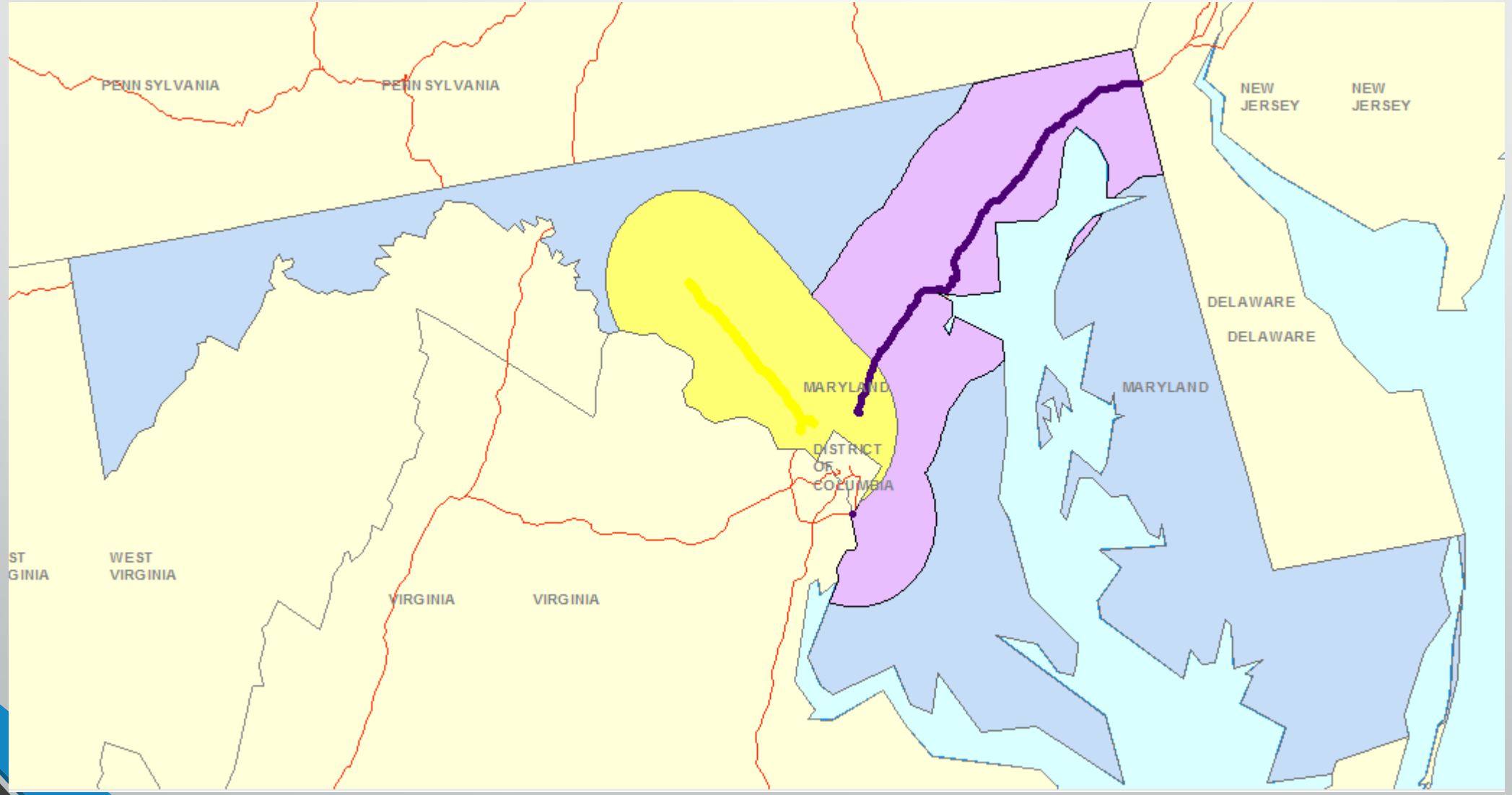
Create 15 mile Buffers



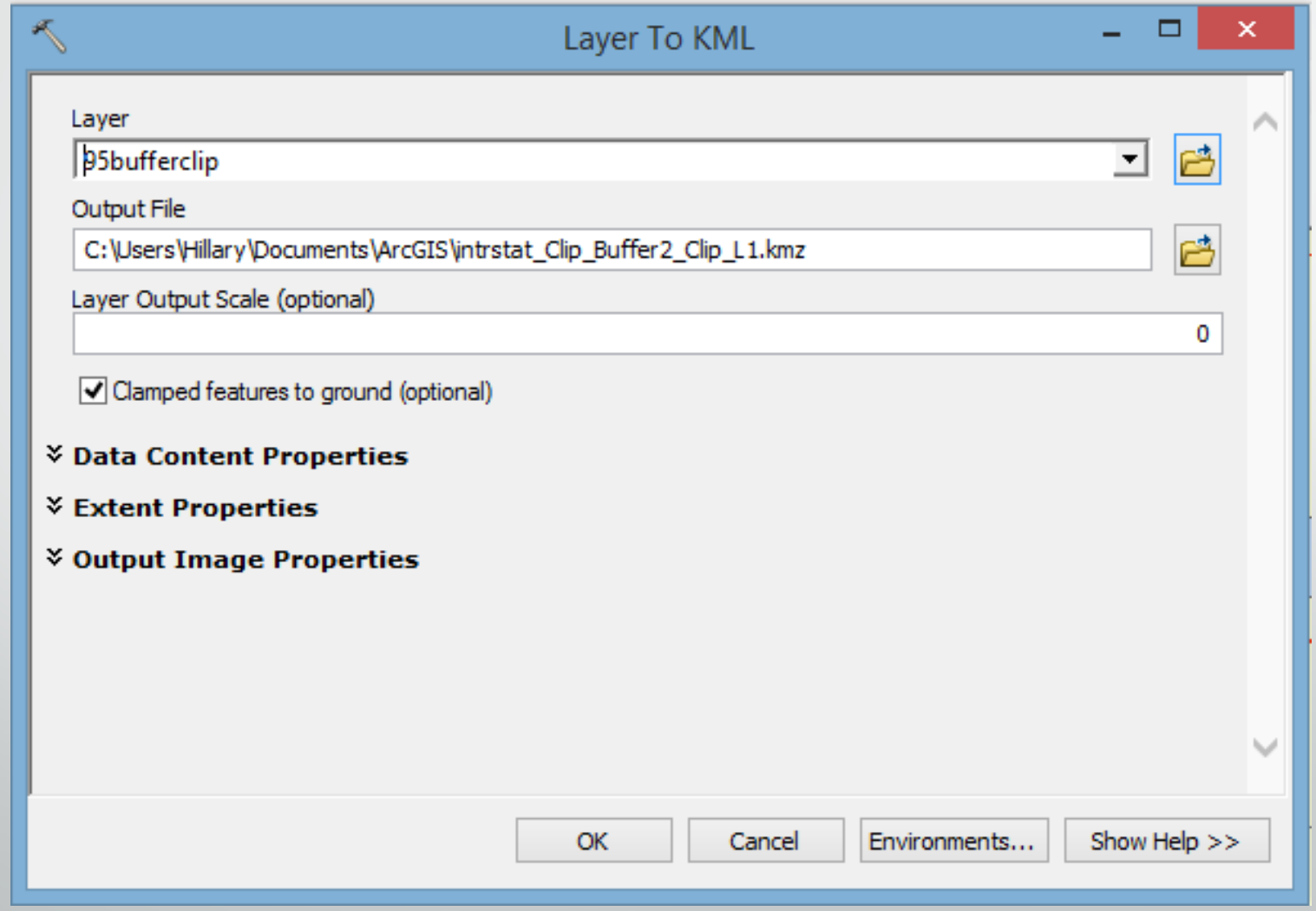
Create 15 mile Buffers



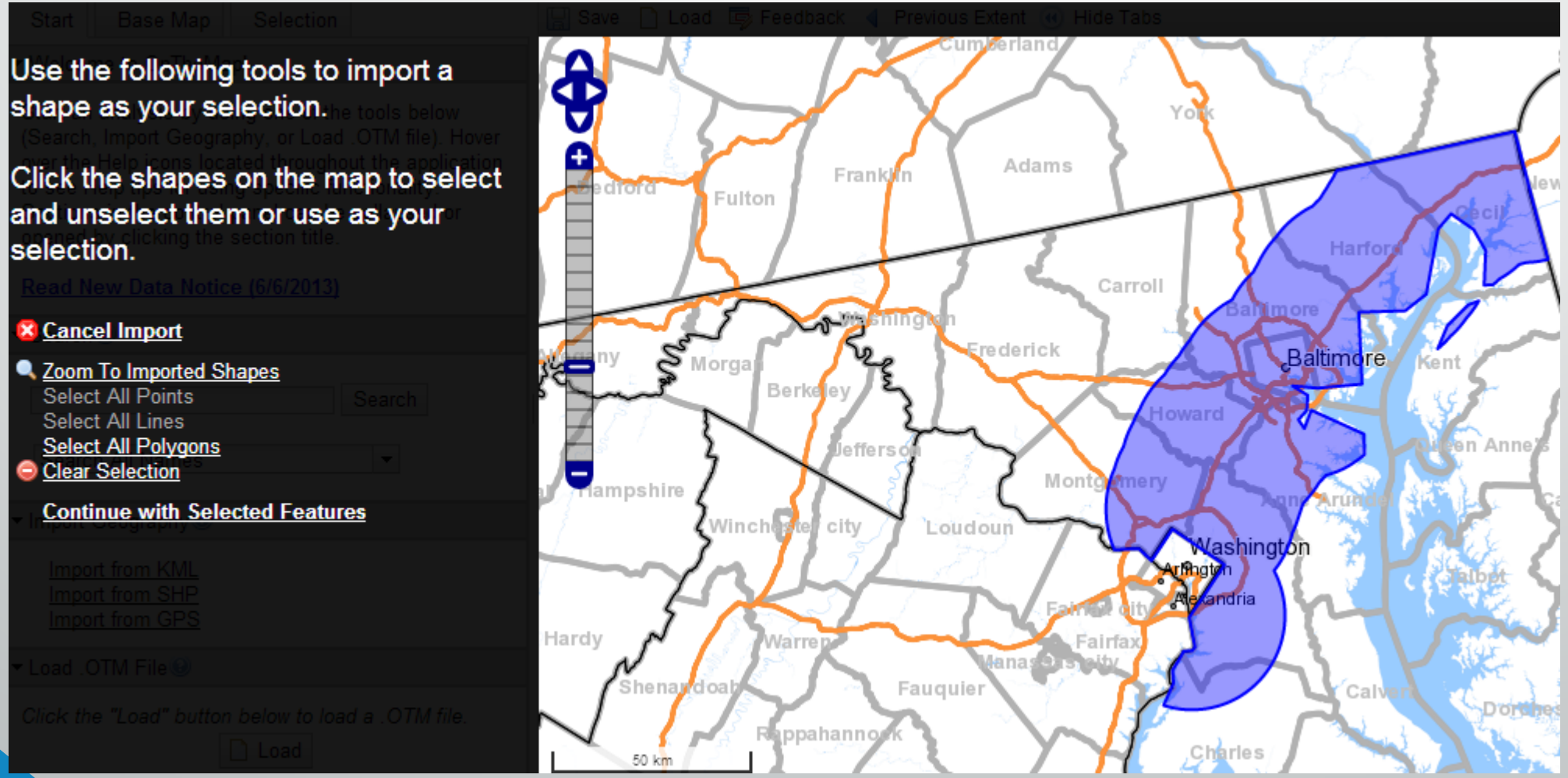
Clip Buffered Areas



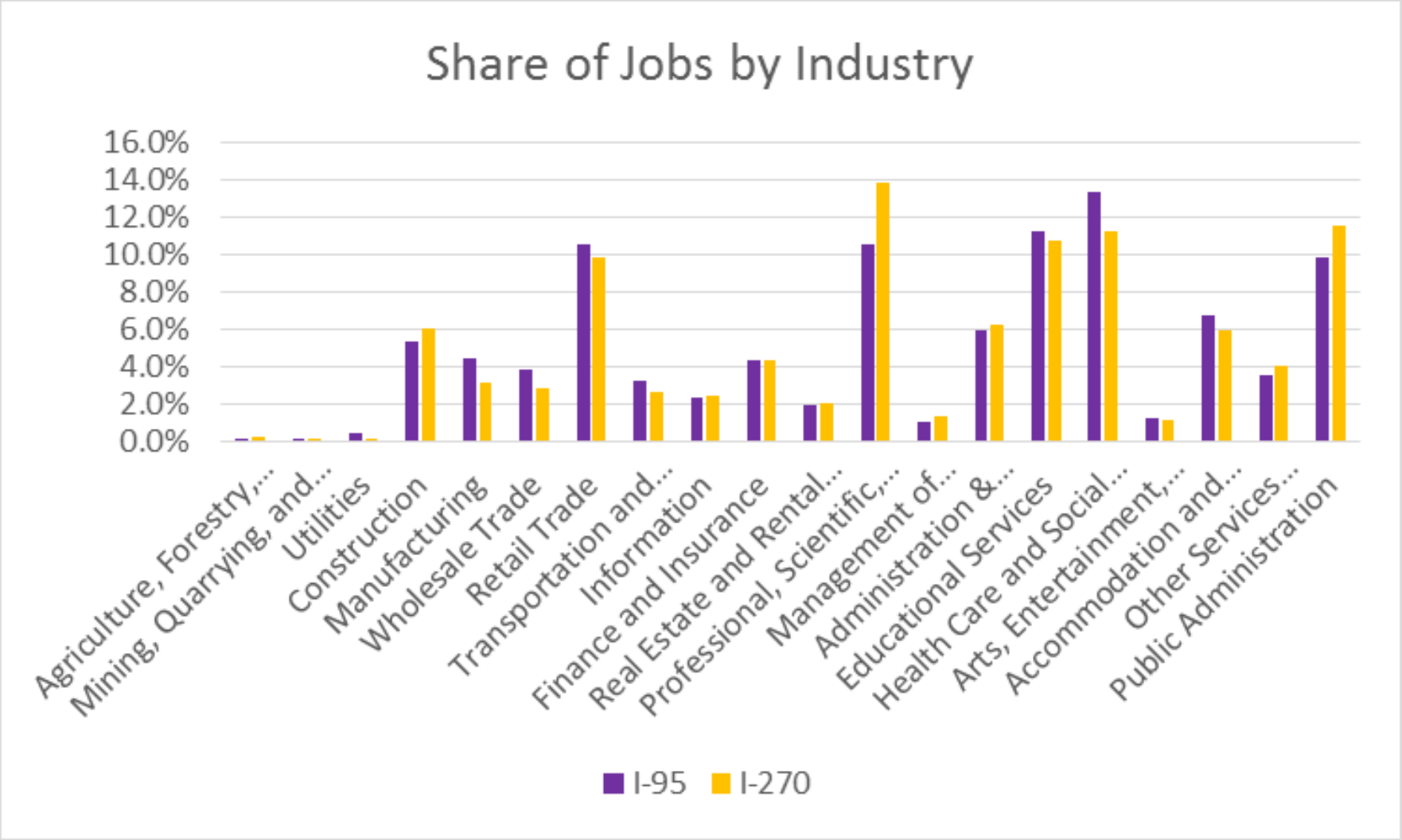
Convert to KML file



Import to OnTheMap



Results


Share of Jobs by Industry
16.0%
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
Agriculture, Forestry,...
Mining, Quarrying, and...
Utilities
Construction
Manufacturing
Wholesale Trade
Retail Trade
Transportation and...
Information
Finance and Insurance
Real Estate and Rental...
Professional, Scientific,...
Management of...
Administration &...
Educational Services
Health Care and Social...
Arts, Entertainment,...
Accommodation and...
Other Services...
Public Administration
I-95
I-270

Conclusion

- Using ArcMap in conjunction with OnTheMap is an effective tool for analysis
- Using KML is a timesaving shortcut
- I-270 has a higher percentage (13.9%) of Professional, Scientific, and Technical Services than I-95 (10.5%)
- I-95 has more Professional, Scientific, and Technical Services jobs (177,746) than I-270 (97,579)

Questions

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