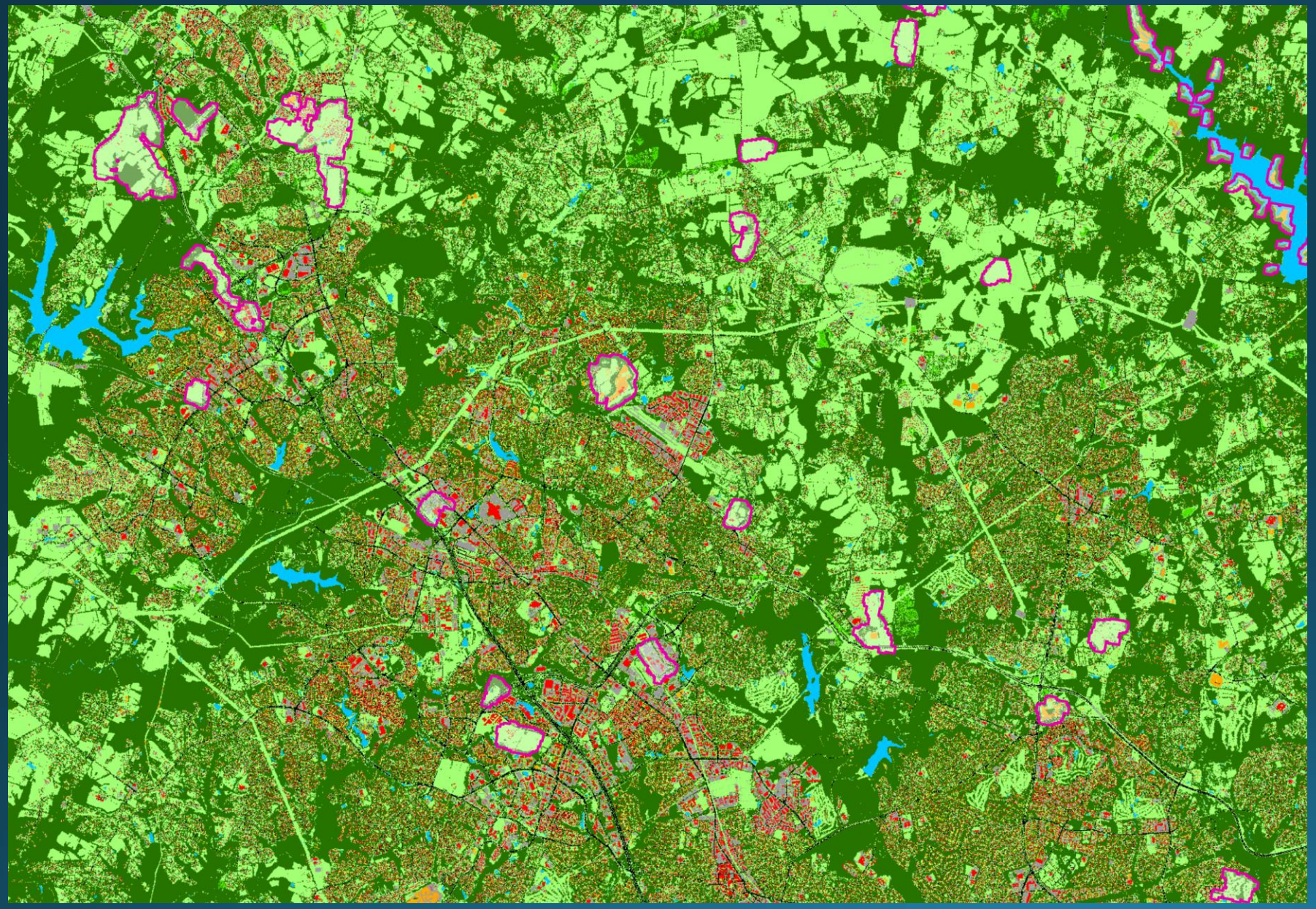
Objective 1 Update

June 5, 2019 : LUWG

Rachel Soobitsky

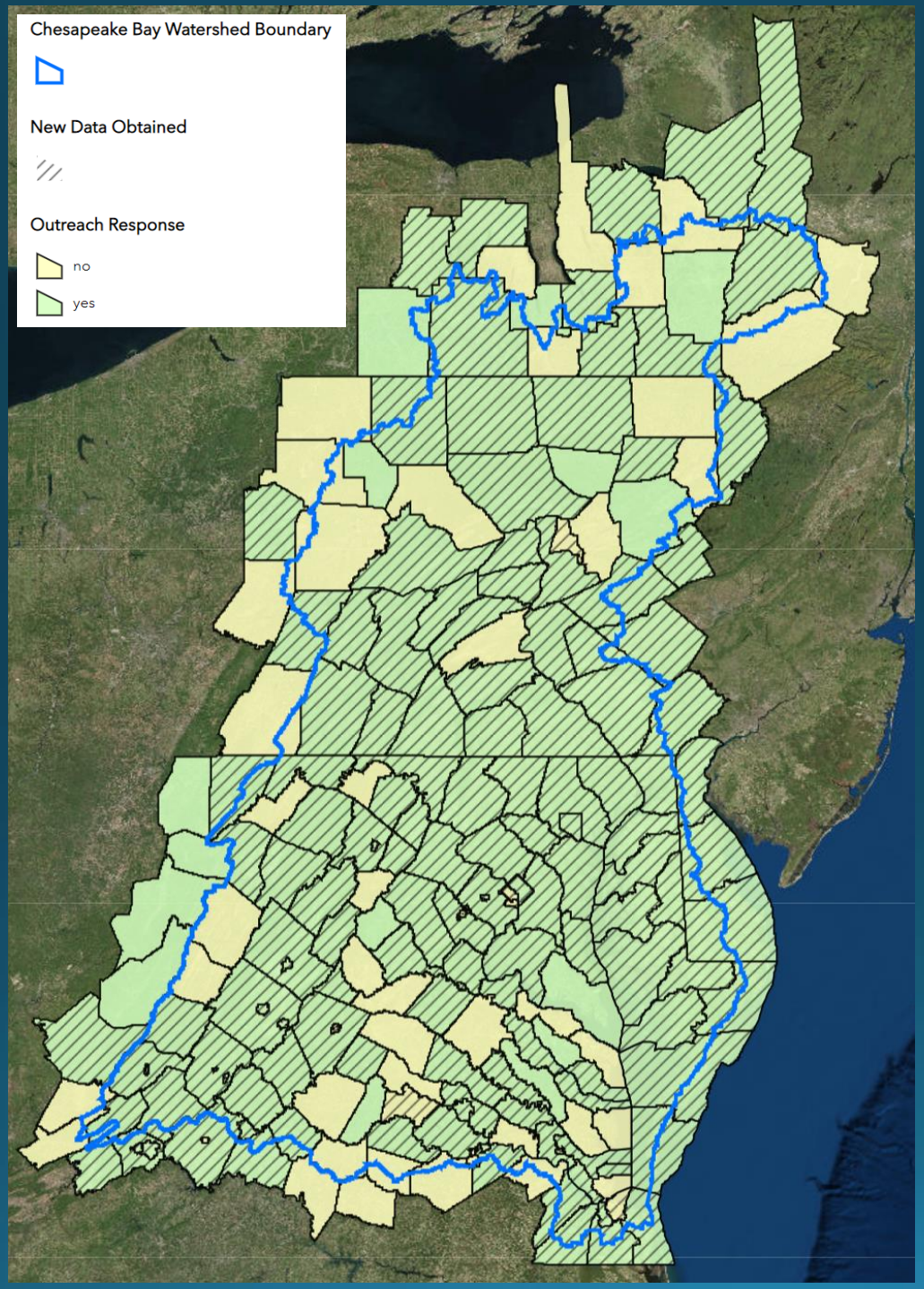
Land Cover Hotspots



- What: Full wall-to-wall 2013/14 land cover with hot spots updated for 2017/18, hot spot (filtered LCMAP) boundaries
- When: June – August (missing 2018 NAIP for VA and WV)

https://tinyurl.com/CBPObj1OutreachResults

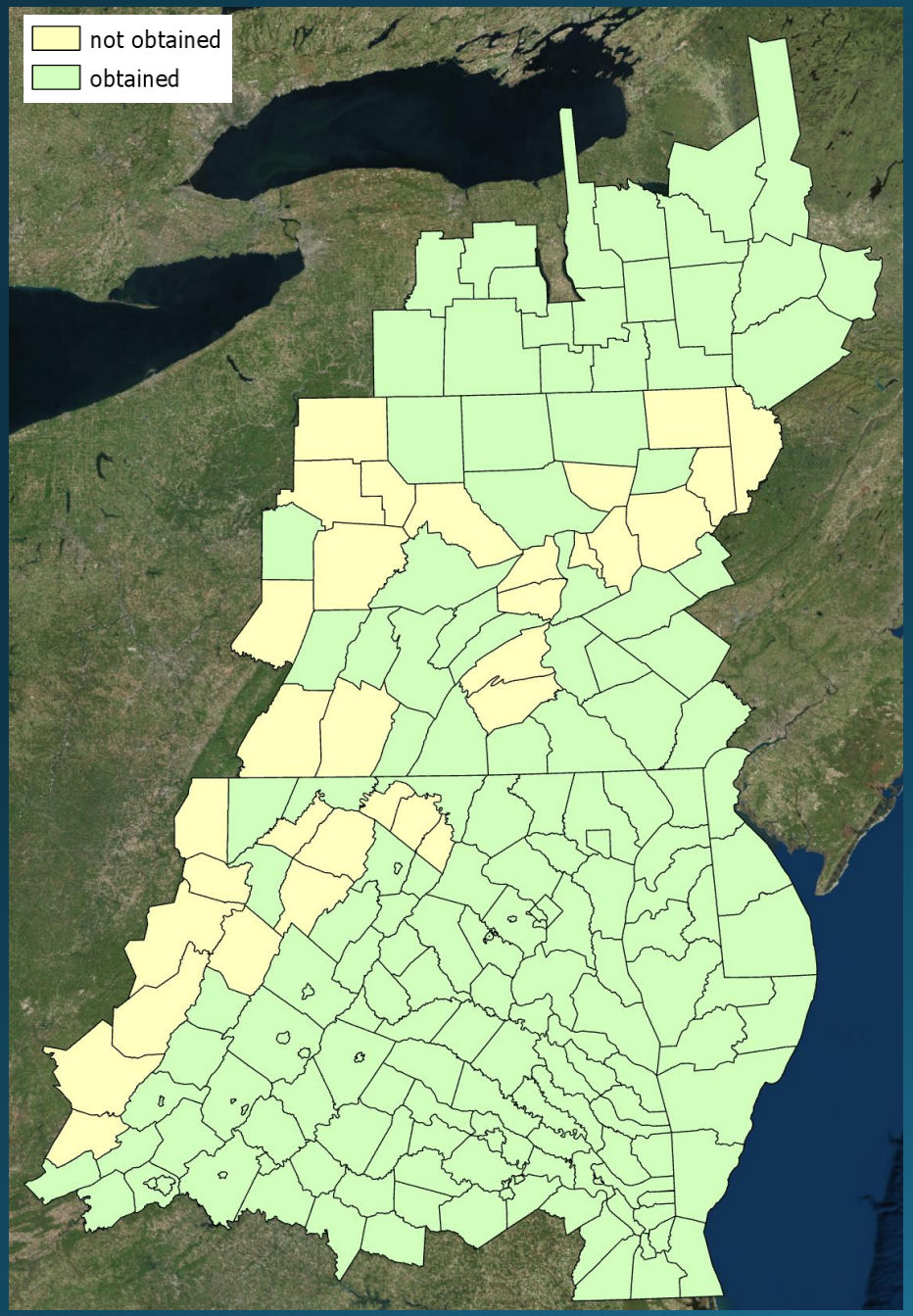
MD - 24/24
DC
DE – 3/3
WV – 10/14
VA – 71/98
PA – 33/43
NY – 13/20



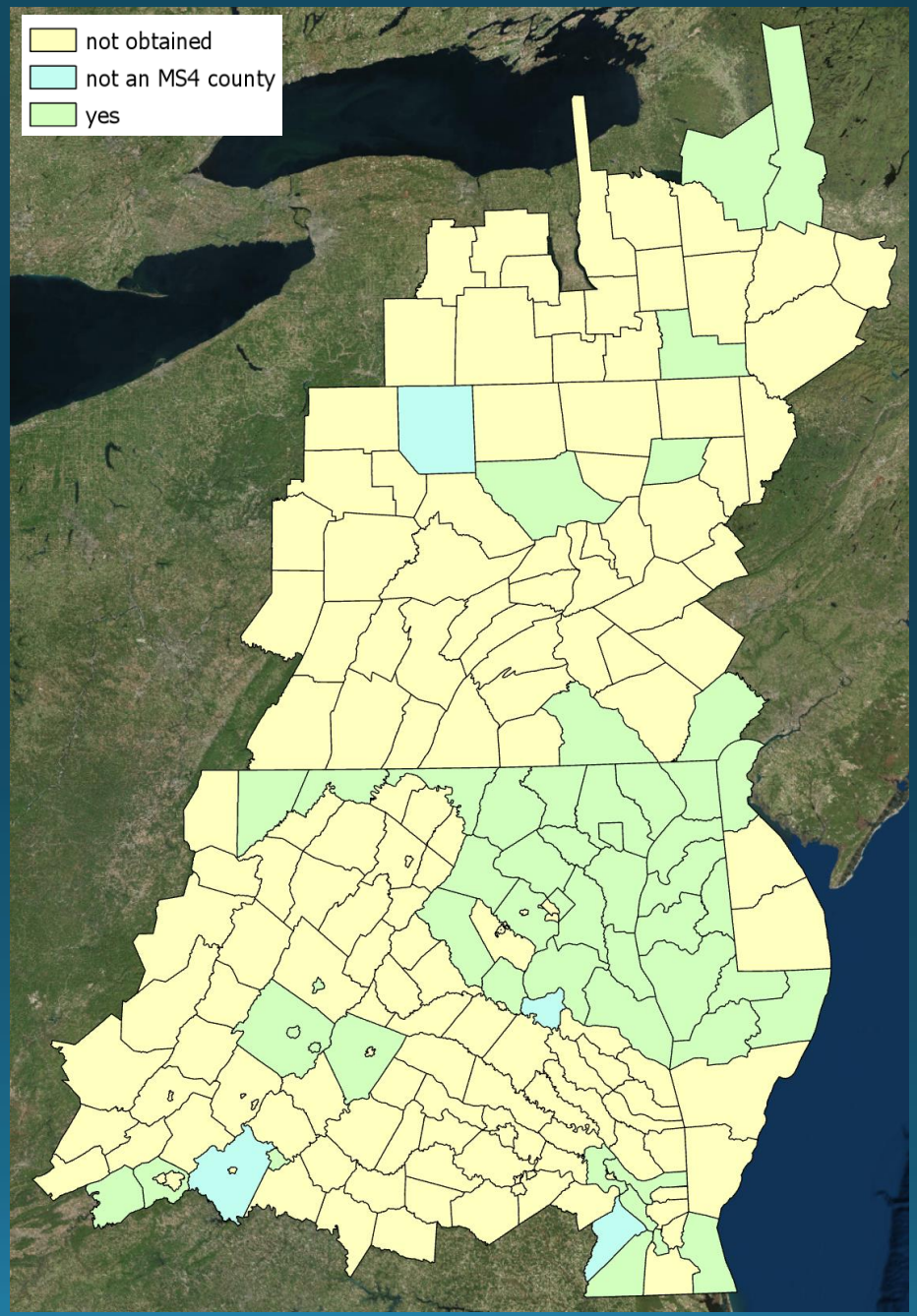
- Received new data from 144/206 localities = ~70%
- Responses from 155/206 localities = ~75%

- Microsoft Building Footprints- we have buildings for 100% of localities.
- Received county building footprints from 44/207 localities

Street Centerlines

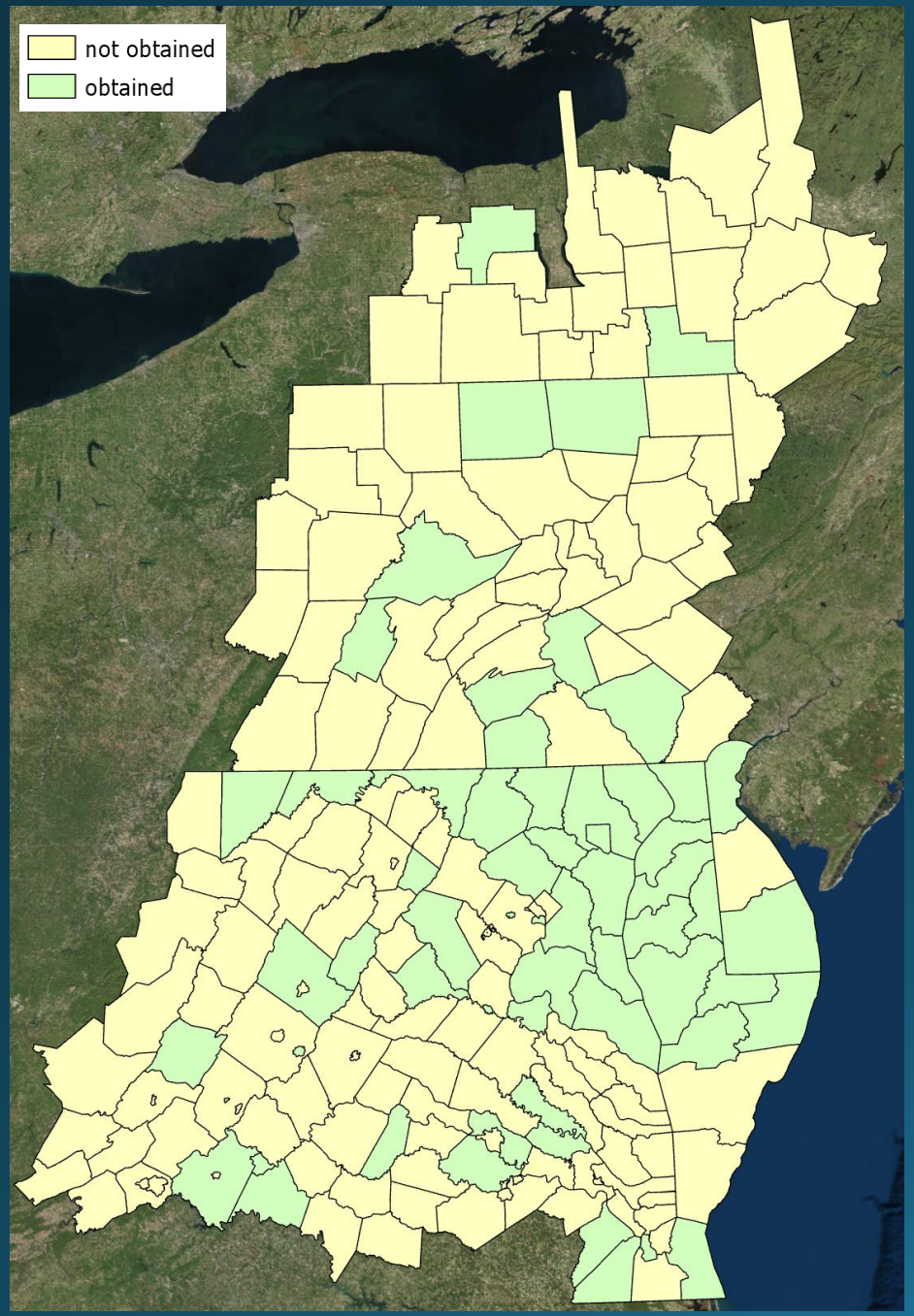


MS4

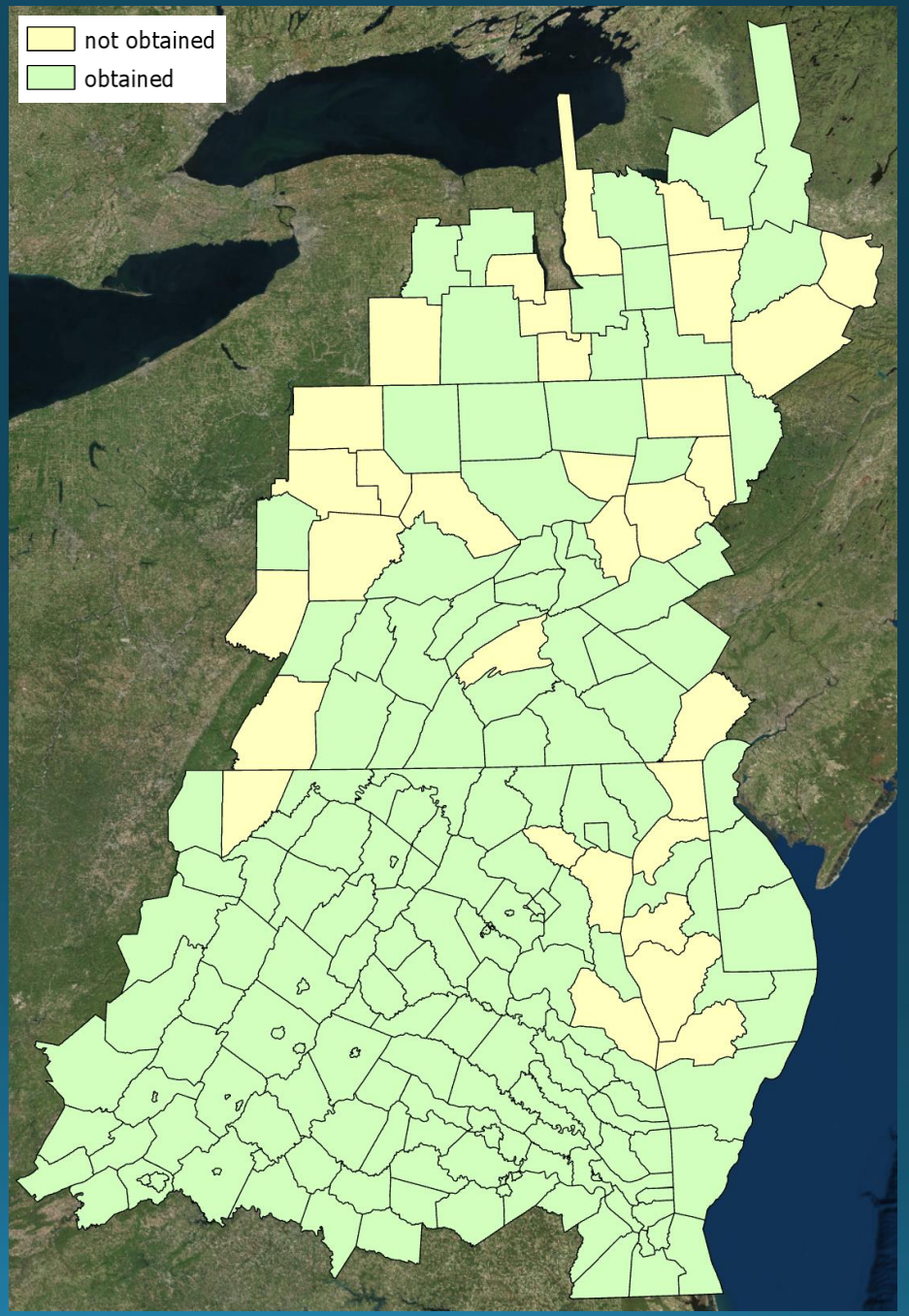


CONSERVATION INNOVATION CENTER
CHESAPEAKE CONSERVANCY

Sewer Service



Parcels



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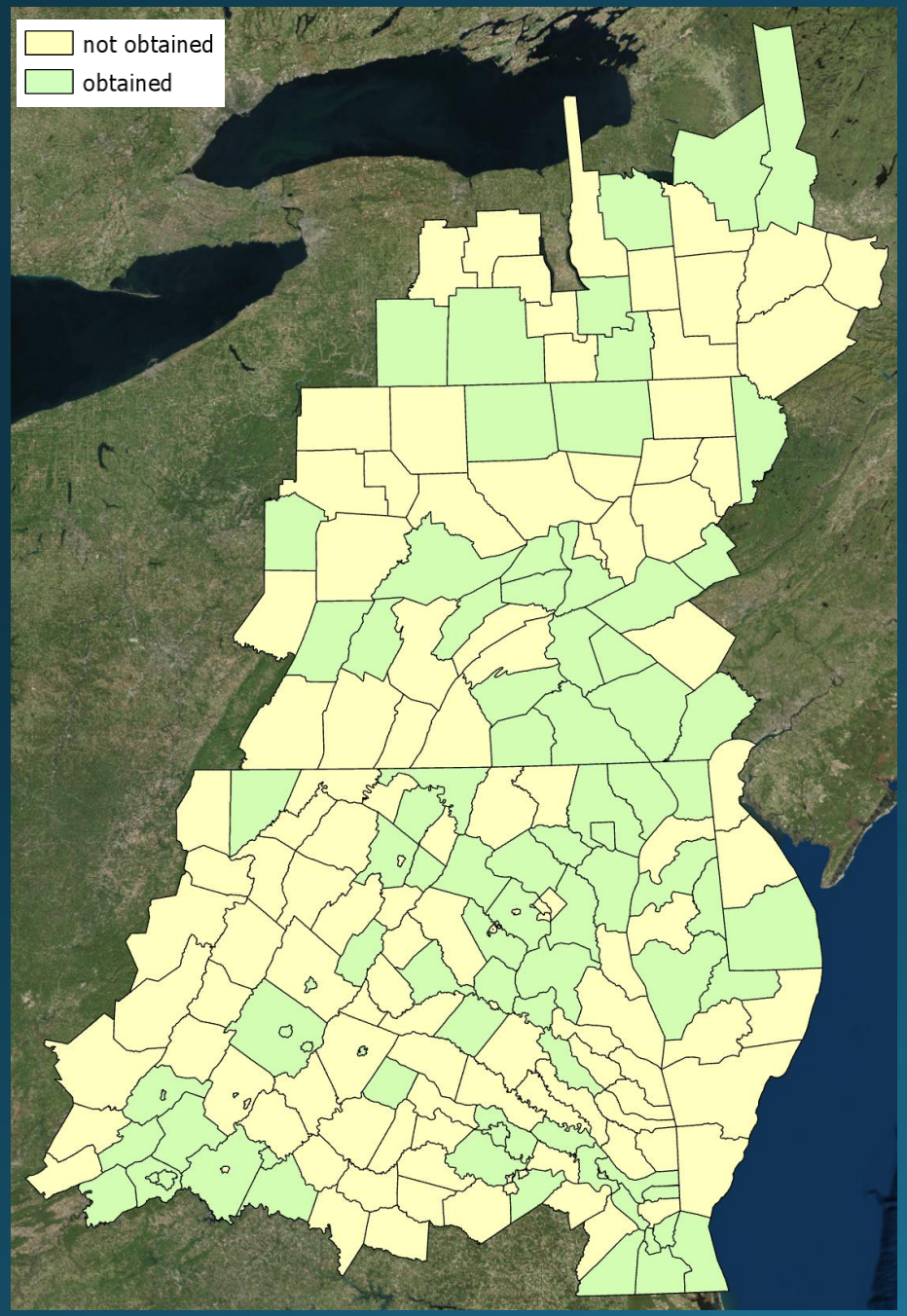
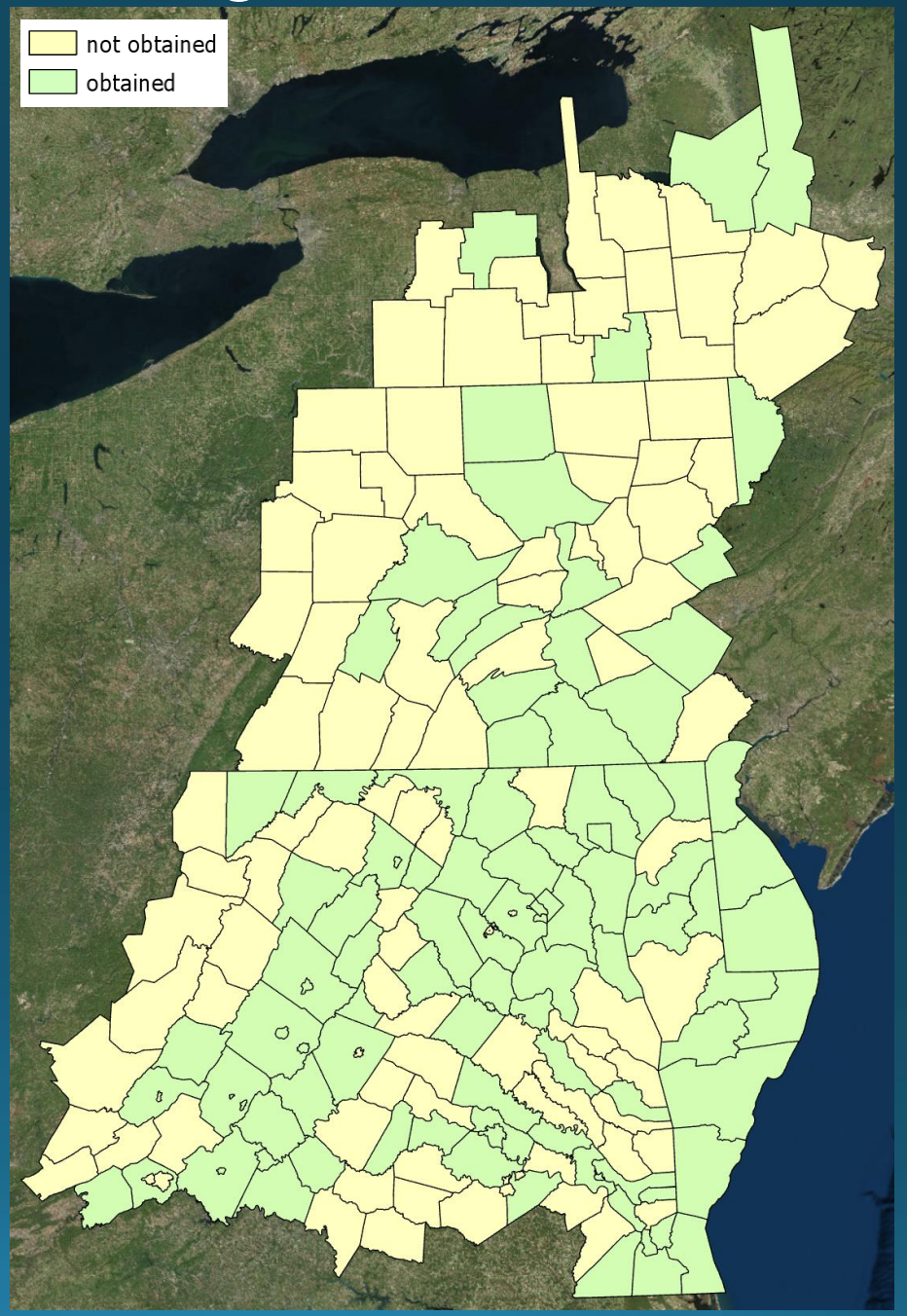
Land Use/Land Cover



Zoning



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Objective 2 Update

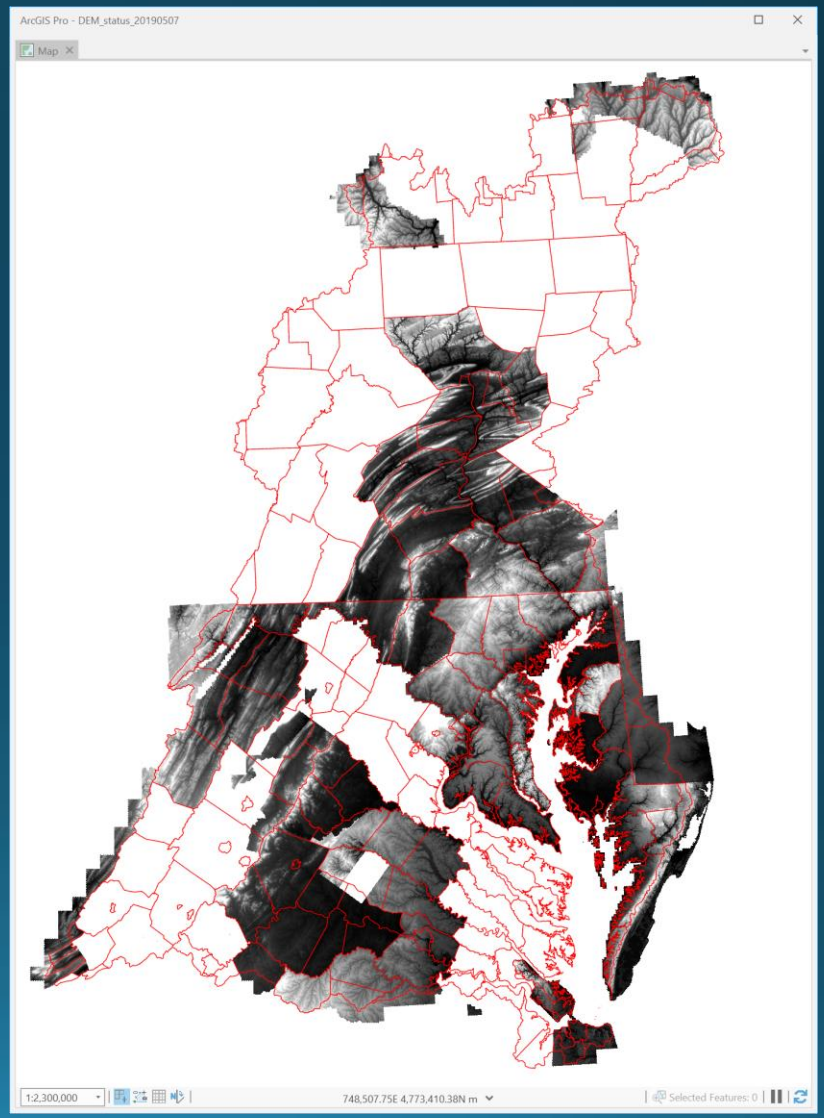
June 5, 2019 : LUWG

David Saavedra

LiDAR collection efforts

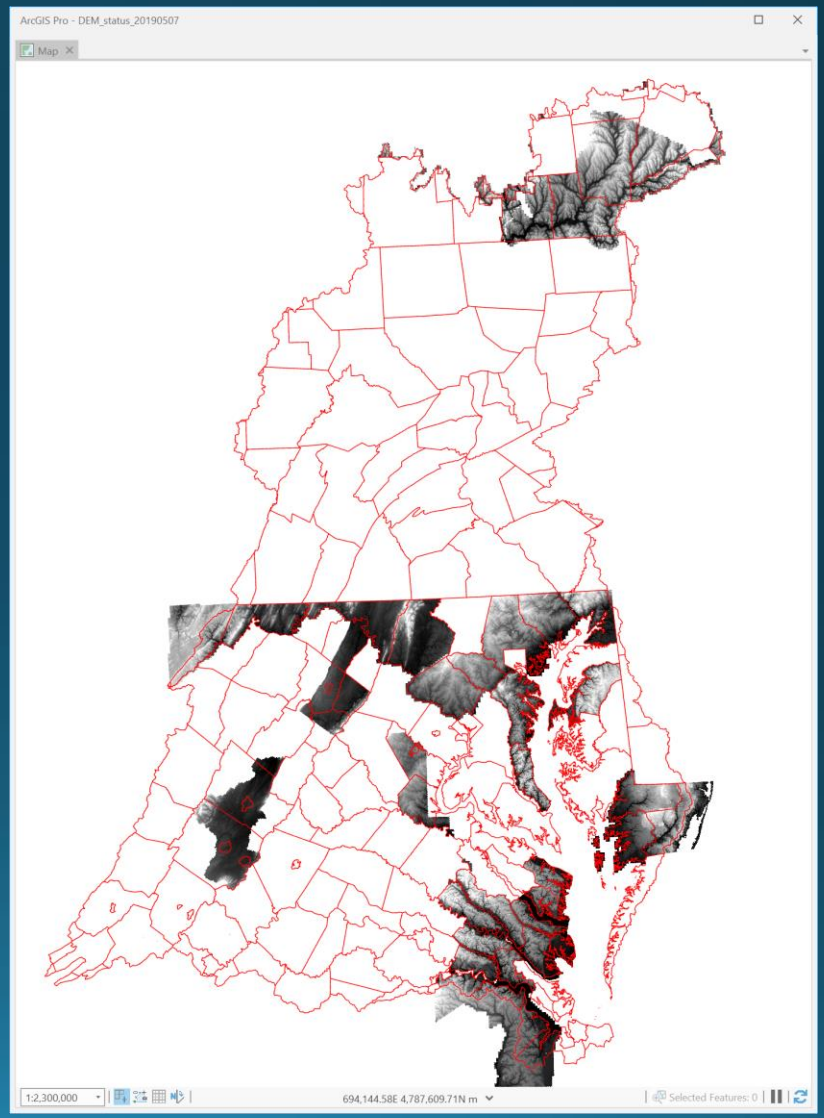
- Bulk download of *all* 3DEP 1-m DEMs available from The National Map intersecting CBW polygon

- Individual tiles mosaicked to create single DEM per LiDAR collection, e.g. MD_PA_SandySupp_2014



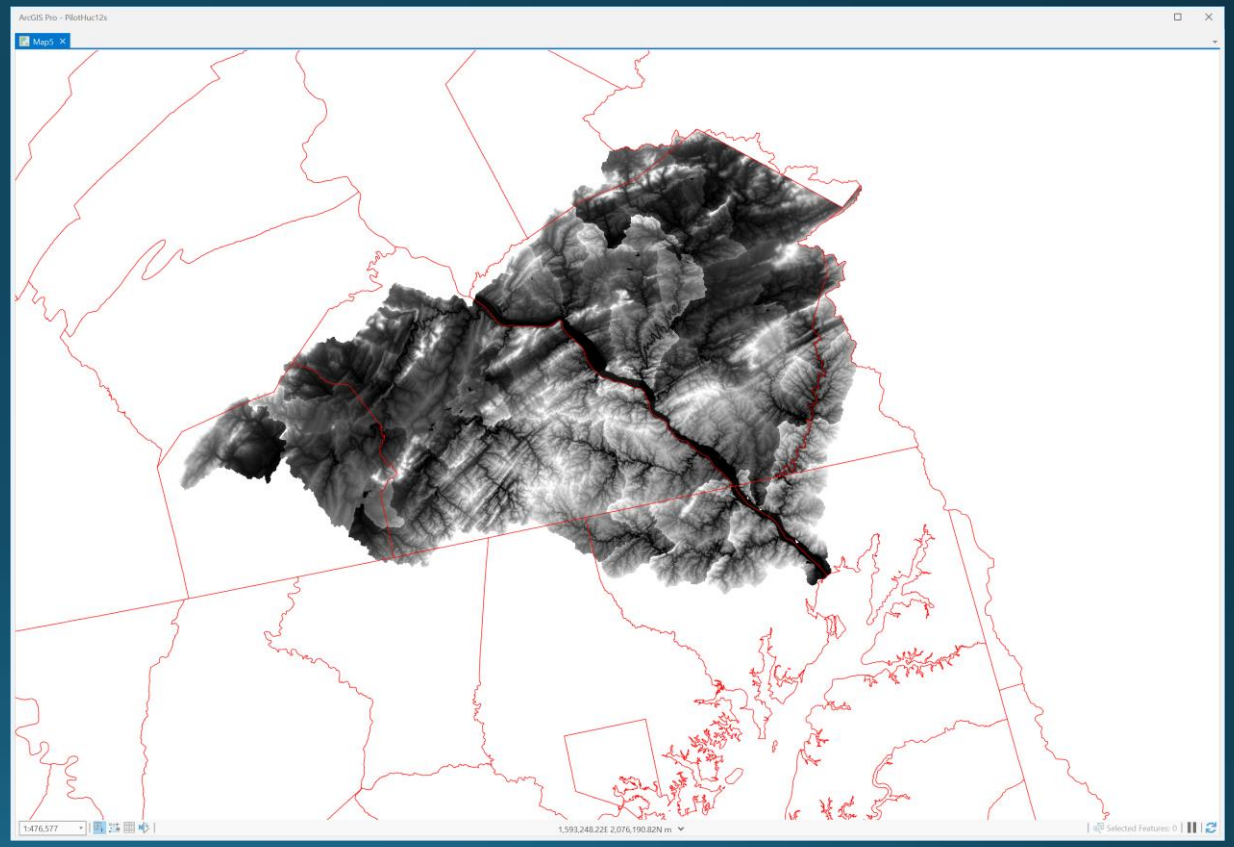
LiDAR collection efforts

- Supplemented with DEMs from state agencies (e.g. MD iMap, VGIN, NYGIS) where 3DEP DEMs were not available
- Quality level / DEM resolution varied
- Did not collect DEMs derived from old/poor LiDAR where new LiDAR is underway, e.g. 2006/2008 QL3 PA statewide
- Some DEM tiles missing from several VA collections



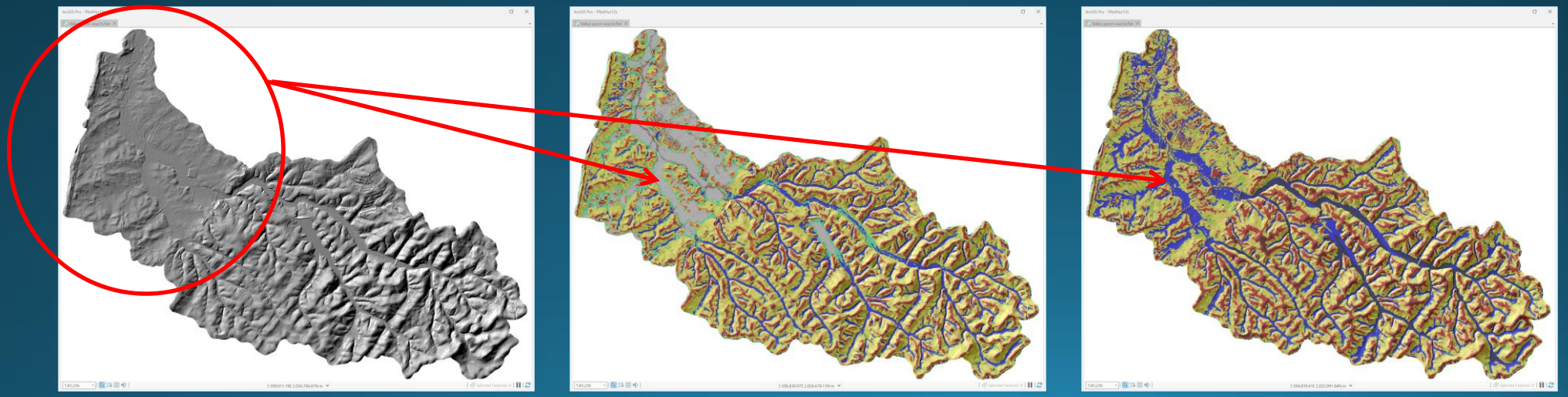
Lower Susquehanna Pilot

- Pilot timeline:
  - July – expect to have initial maps complete
  - August – make initial corrections and solicit feedback
  - September – make changes / corrections based on feedback



Pilot Progress

- “Pre-pilot” on three HUC12s to see how methods scale and make adjustments
- Refining automated channel filtering methods (shape-based vs. area-based) **(right)**
- Adjusting valley delineation to perform better in high- and low-relief landscapes **(bottom)**
- Optimizing scripts to process faster



Questions?

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