



# Chesapeake Land Use/Land Cover Data Project Update

Katie Walker | 28 June 2023 | LUWG Meeting

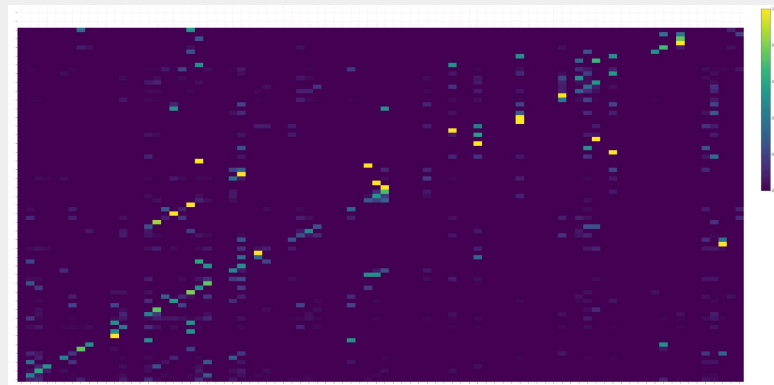
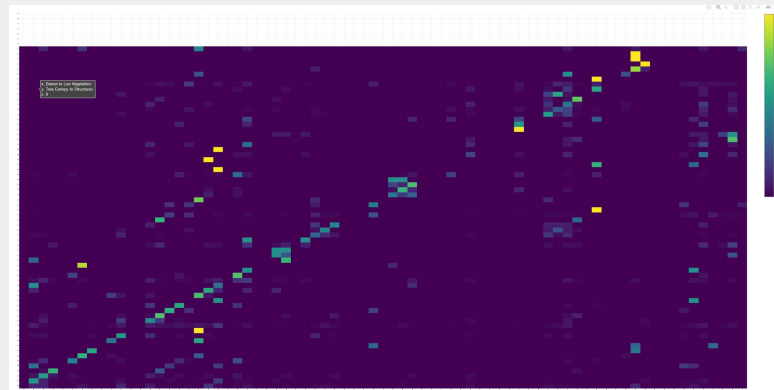
# Welcome, Steven!

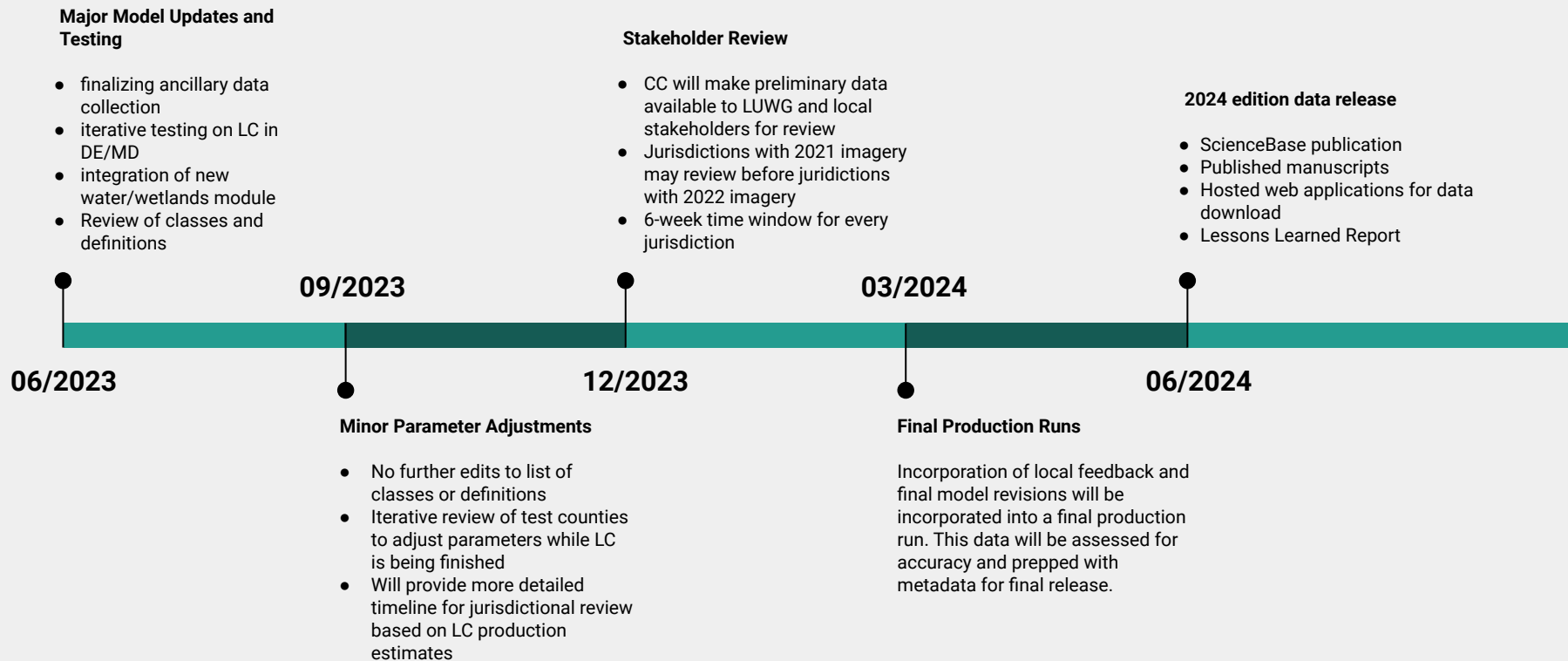
- 15 years at University of Maryland Center for Environmental Science, at the Appalachian Laboratory and Integration and Application Network
- Foundational background in computer science and earth science from Frostburg State University
- Experienced in the application and integration of computer and ecological sciences to more efficiently model and represent natural phenomena as digital data structures



# Accuracy Assessment

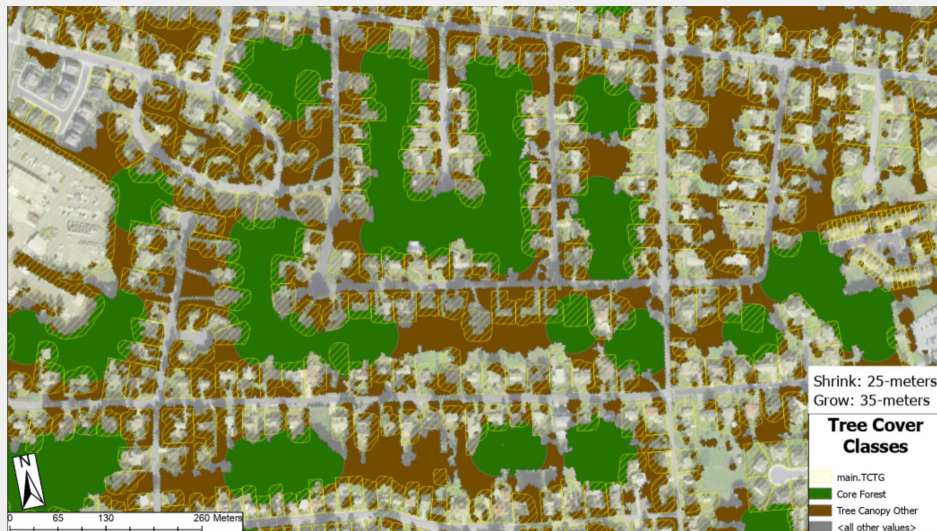
- Initial pilot to test improved stratified method design (stratified by class and jurisdiction)
  - To reach desired confidence, would have needed 20k+ points to be assessed
  - It took ~80-100 hours for an analyst to assess 2k points
    - Exaggerated by the loading time needed per point for NAIP imagery
- Moving forward:
  - Filter initial point layer to reduce points, matching the needs for an assessment only stratified by class (~7k points needed)
  - Dedicate resources to complete assessment for 2022 edition
  - Identify time saving avenues for 2024 edition assessment





# Forest and TC Module Considerations

- Exclude TCTG and TC segments that do not meet forest width parameters when dissolving TC segments for forest call
- If a patch is too small to be forest, but is surrounded by regenerative successional lands, it is going to be considered forest to better align with FIA
- For large parcels, only buffer from the structures when deciding the TCTG footprint, whereas small parcels are buffered starting from the turf that surrounds structures



# Local Data Ask

Local Data Still Needed:

VA: 43 counties/independent cities

PA: 26 counties

NY: 17 counties

WV: 11 counties

MD: 4 counties

DC



All jurisdictions have given  
timber harvest data!

Local Ancillary Data Collection (2024 edition)

