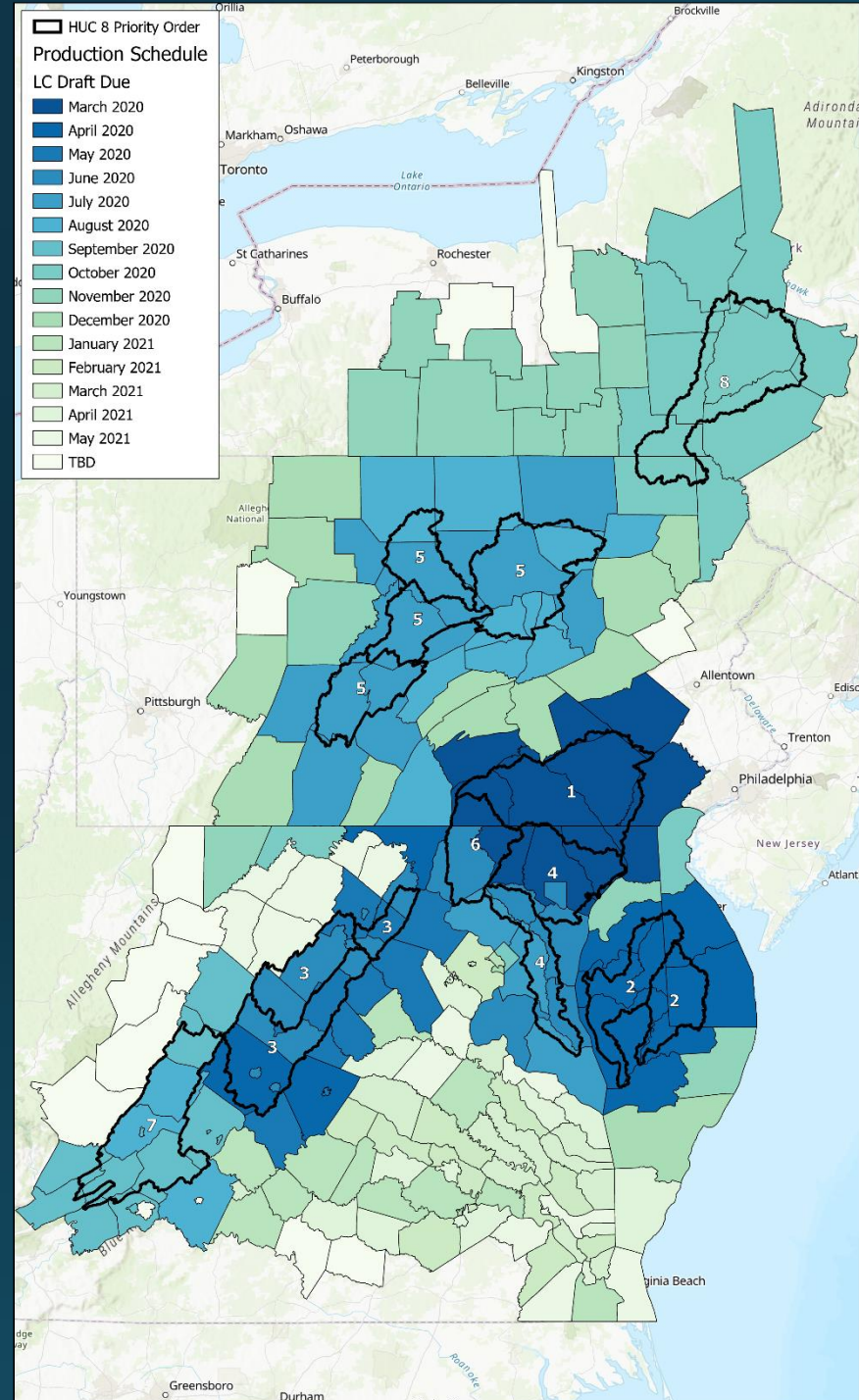


Objective 1 & 2: Updates

March 4, 2020: LUWG

Rachel Soobitsky

rsoobitsky@chesapeakeconservancy.org



Obj 1: LC Local Data Review Update

1) Notified the following state-wide orgs:

- MD:
 - MDP: Erin Goodnough, Pat Keller
 - MDE: Jeff White, Shannon McKenrick
 - MD Dept of Ag: Jason Keppler, **Dean Hively**
 - MD DNR/ FS: Rob Feldt
 - MD iMAP: Matt Sokol no longer working there
- PA:
 - PA DEP: **Dustin Shull, Travis Stoe, Kevin Eaton**
 - PA GIS Pro: **Samantha Neely, Laura Simonetti, Lisa Schaefer**

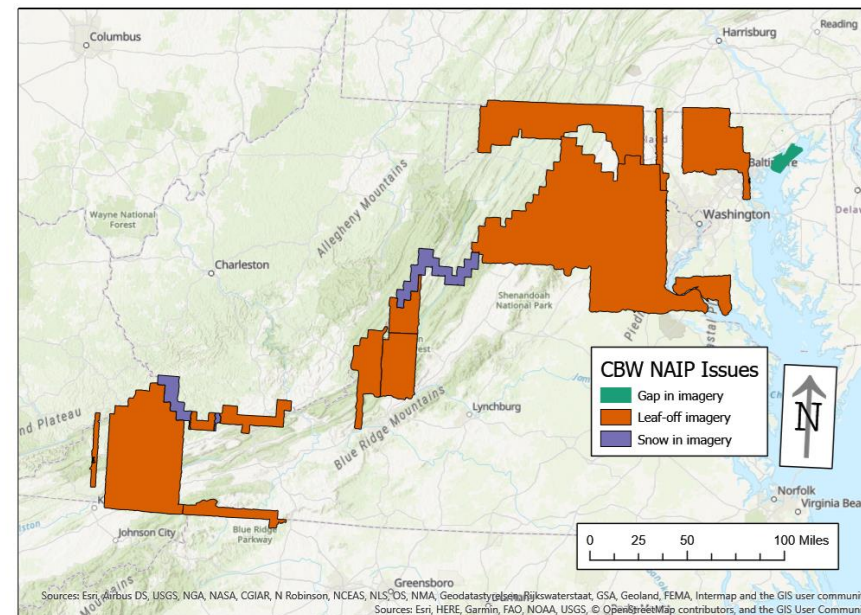
2) Notified the following county contacts:

- MD:
 - Baltimore County: **William Merrey**, Steven Foley, Robert Hirsch
 - Carroll: Sandra Baber, Russell Stone
 - Cecil: David Black
 - Harford: Rebecca Baird
- PA:
 - Adams: **Sarah Weigle**
 - Berks: **Brad Shirey**
 - Chester: Michael Little, **Marlen Kokaz-Roy**
 - Cumberland: **Justin Smith, Sarah Fuhrmeister, Patrick McKinney**
 - Lancaster: **Glenn Mohler, Steve Gochenaur**
 - Lebanon: Cherie Prentice-Brown, Jamie George
 - York: **Tanva Wall**

Obj 1: Land Cover Progress- UVM

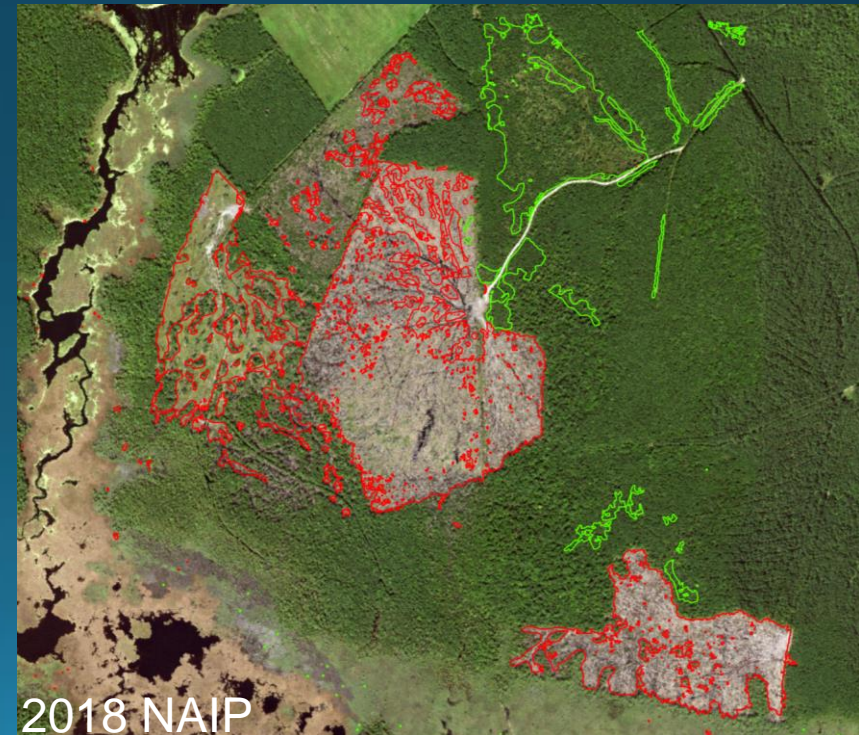
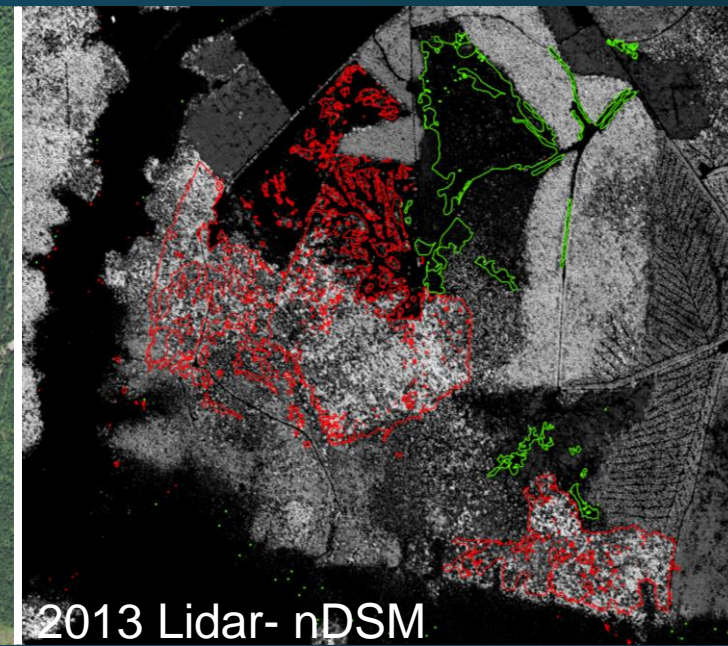
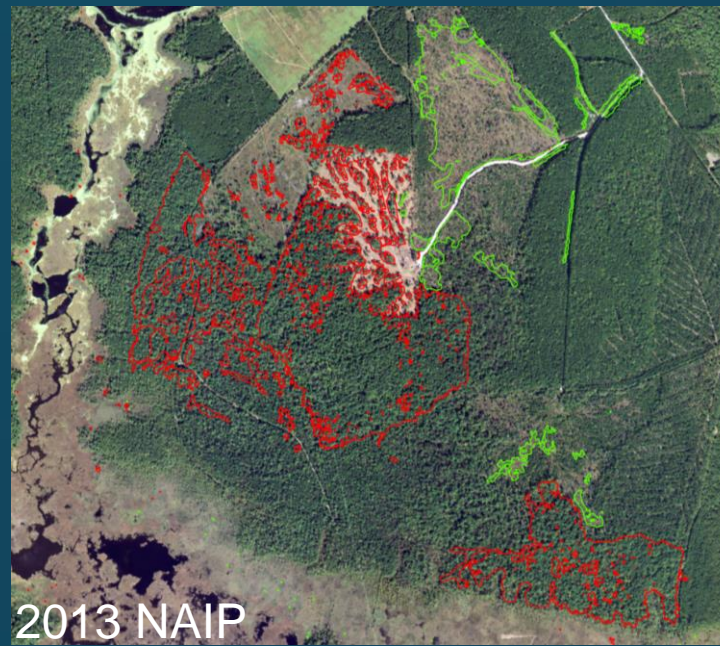
- Nearing completion of the PA counties:
 - Draft change-detection layers ready for review this week
- MD counties need more time:
 - More complicated data inputs and require new workflows
 - E.g.: faulty 2018 NAIP
 - Draft products ready in another week or two
- Processing will be much more efficient for later watersheds once replicable and adaptable workflows are finalized

Chesapeake Bay Watershed 2018 NAIP Quality Control



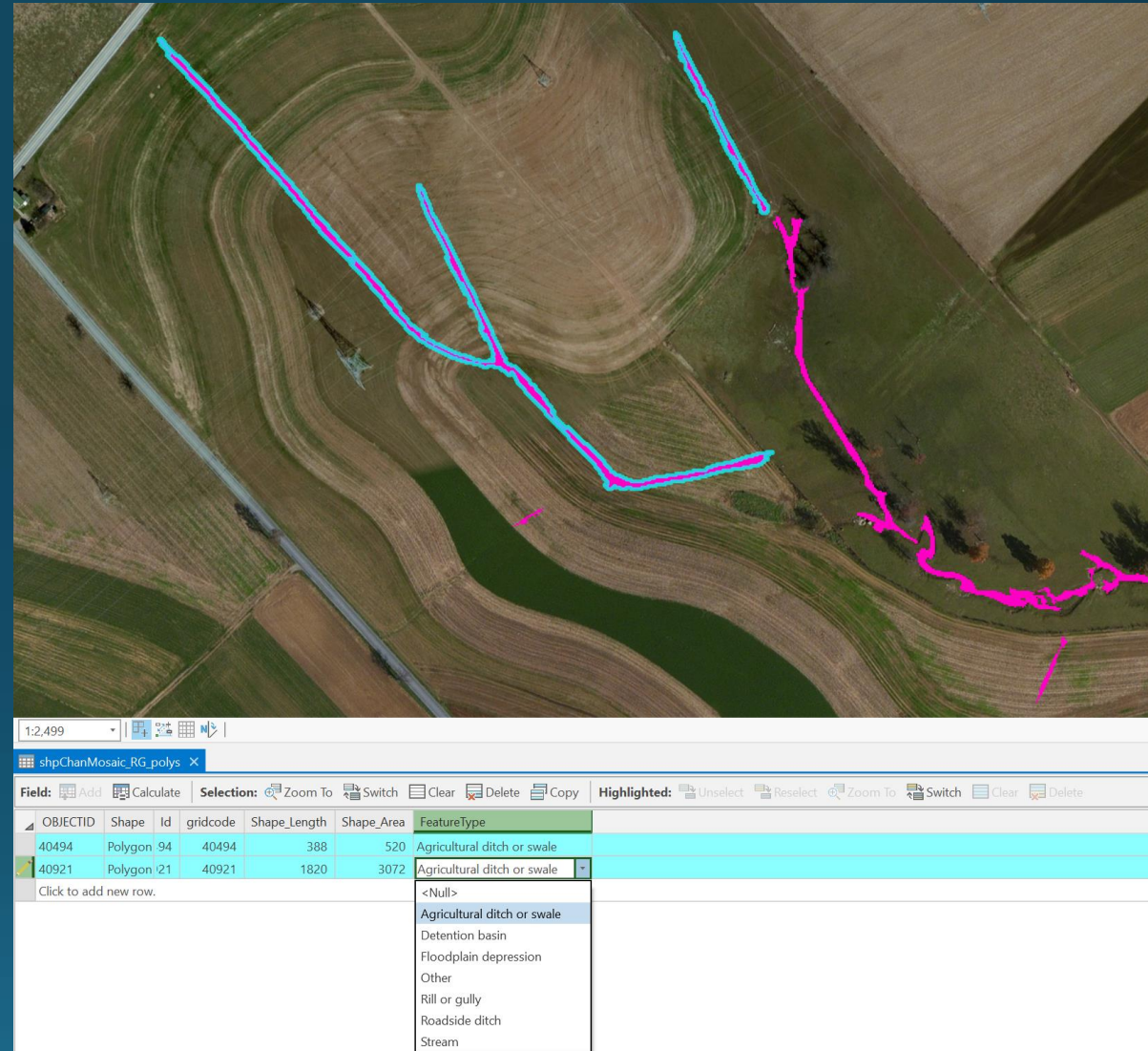
Tree Canopy Change

- 10 counties in MD were prioritized for MD Senate Bill:
 - Anne Arundel
 - Calvert
 - Charles
 - Dorchester
 - Montgomery
 - Prince George's
 - Somerset
 - St. Mary's
 - Wicomico
 - Worcester
- UVM used best combination of NAIP and LiDAR quality to create change products



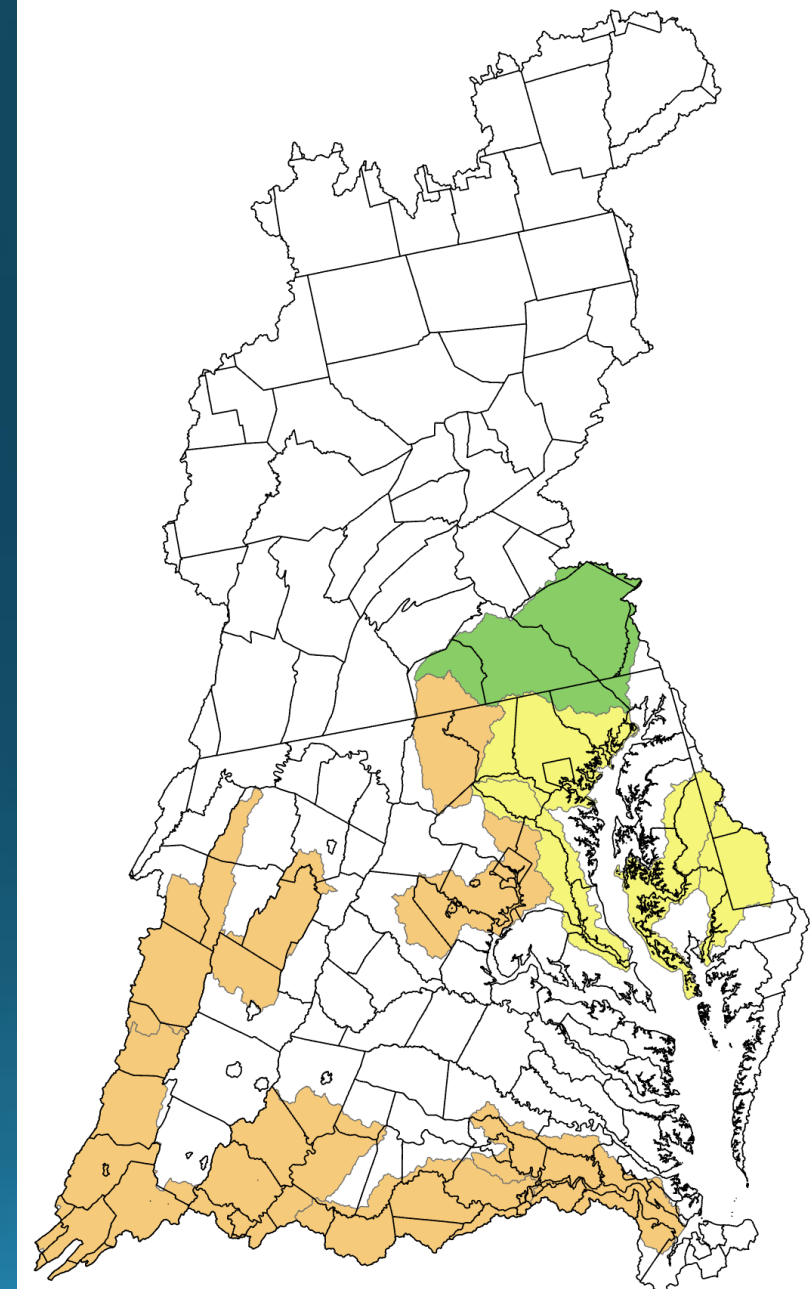
Objective 2: Updates

- Developing systematic coded-value classification scheme
- Plans to automate QAQC as much as possible using machine learning
- Configuring scripts to run in parallel on supercomputer
 - Process one HUC12 per core simultaneously over many cores



Objective 2: Progress

- **Completed:**
 - 02050306 – Lower Susquehanna (2nd draft upcoming)
- **Completed (automated only, no QAQC):**
 - 02060003 – Patapsco/Gunpowder
 - 02060006 – Patuxent
 - 02080109 – Nanticoke
 - 02060005 – Choptank
- **Queued for processing on supercomputer:**
 - 02070001 – South Branch Potomac
 - 02070006 – North Fork Shenandoah
 - 02070009 – Monocacy
 - 02070010 – Middle Potomac/Anacostia/Occoquan
 - 02080201 – Upper James
 - 02080203 – Middle James/Buffalo
 - 02080206 – Lower James
 - 02080207 – Appomattox



Questions?

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