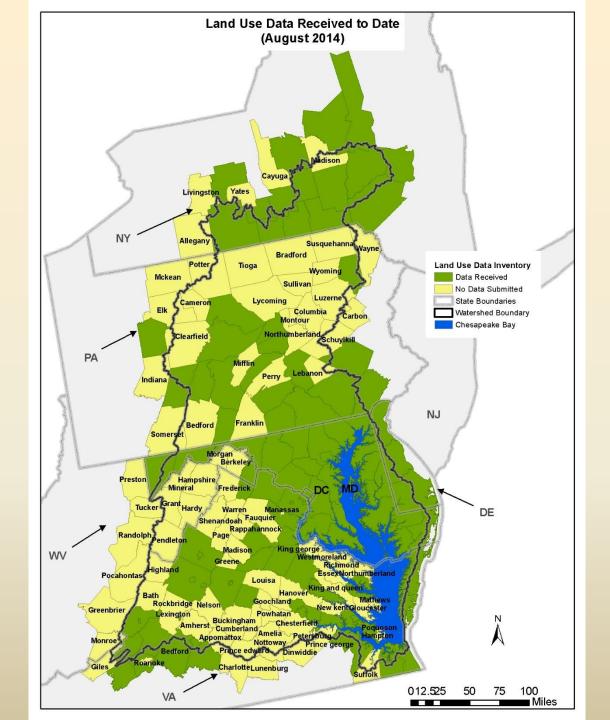


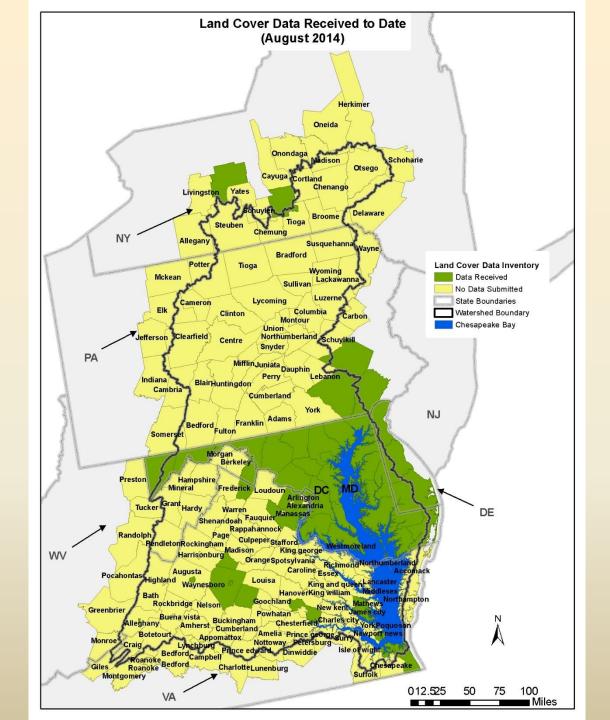


P6 Developed

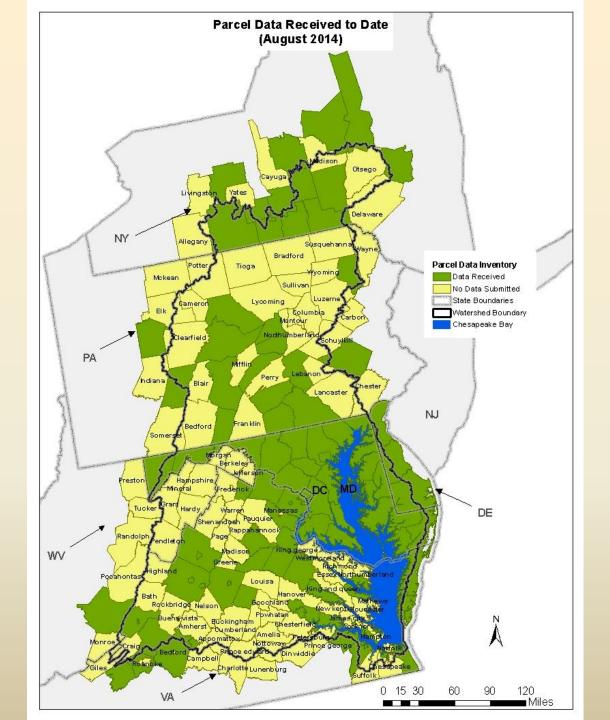
<u>Peter Claggett</u>, U.S. Geological Survey Quentin Stubbs, U.S. Geological Survey







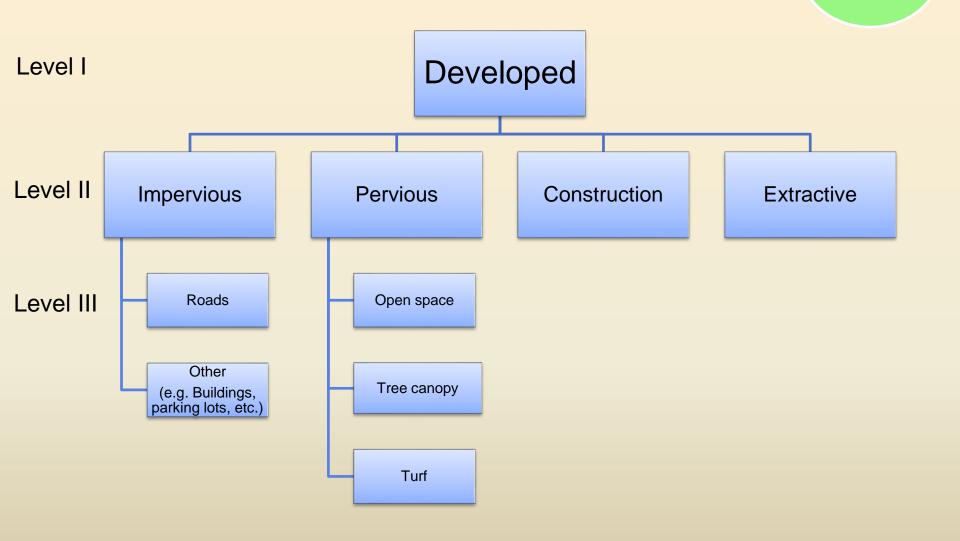






Proposed Developed Phase 6 Land Uses

Developed





Impervious Data Sources & Issues

- 1. Planimetric data (i.e., structures, roads, parking lots, etc.)
 - A. Most accurate depiction of impervious cover
 - B. But may be:
 - Out-of-date
 - Missing some types of impervious cover (e.g., driveways, sidewalks)
- 2. High-res land cover data (i.e., impervious, tree canopy, herbaceous)
 - A. Very accurate if mapped leaf-off imagery and LiDAR
 - B. But may be:
 - Out-of-date
 - Mapped with leaf-on imagery; canopy obscures roads and structures.
- 3. Moderate-res (30m) sub-pixel impervious cover
 - A. Captures most large patches (> ½ acre) of impervious cover; available for 2001 and 2010.
 - B. But:
 - Misses small & narrow structures and those obscured by canopy including rural roads, low-density residential areas and farmsteads are missed.



Pervious developed

Pervious developed ≠ forest, wetland, water, or impervious surfaces

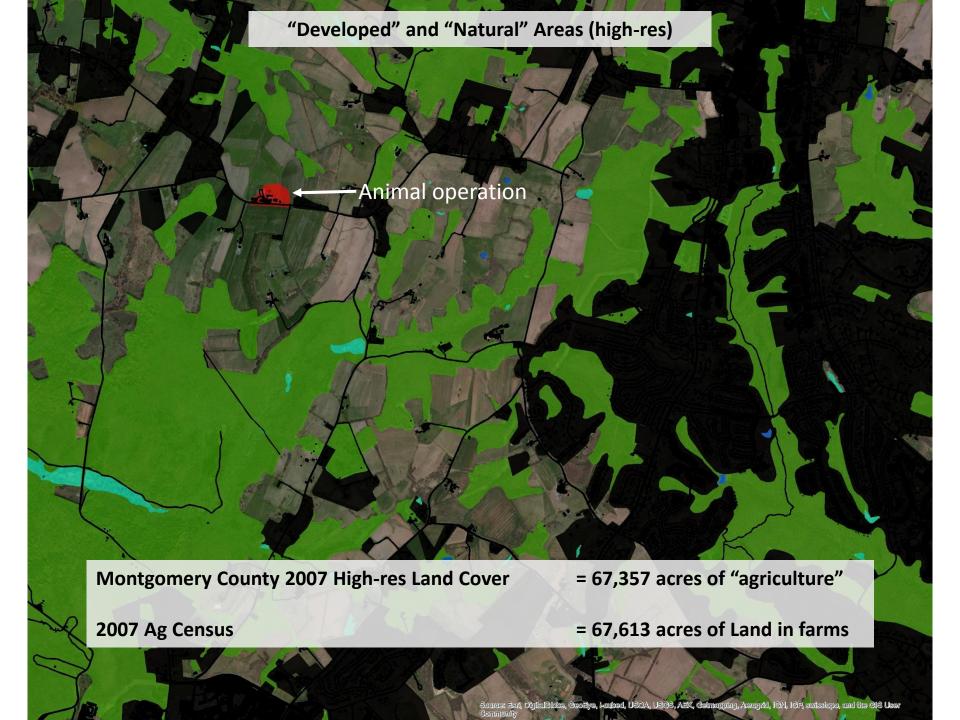
Pervious Data Sources:

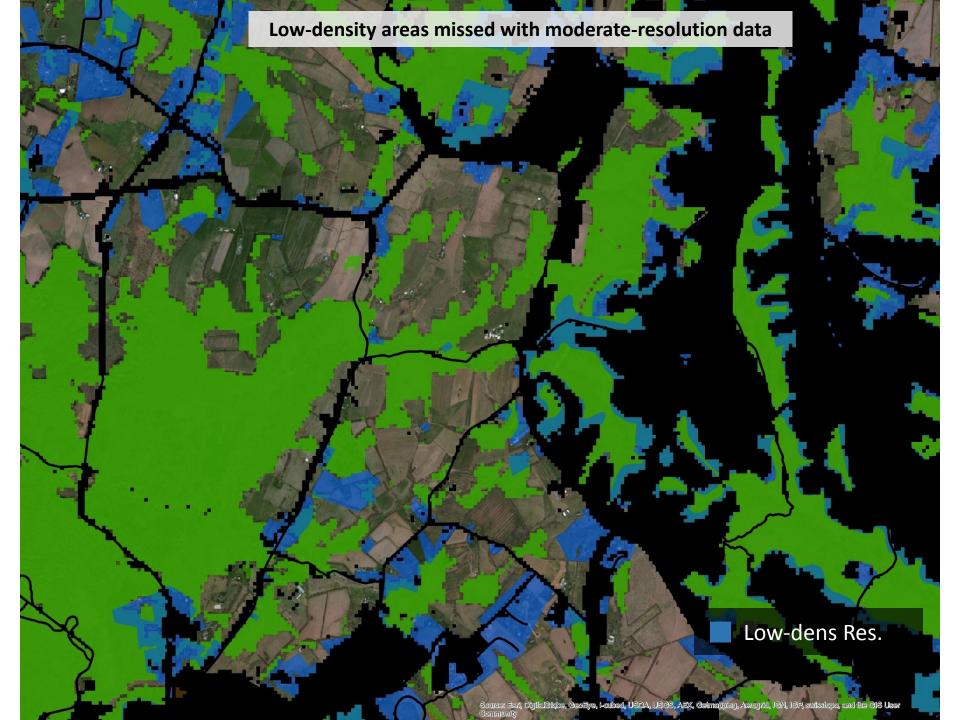
- 1. Local Land Use i.e., residential, commercial, industrial, institutional, other developed
- 2. High-res land cover data i.e., forest, water, and impervious surfaces
- 3. Census Blocks (housing density)
- 4. Road density
- 5. Ancillary data on institutions, golf courses, etc.
- 6. NWI wetlands, NHD-H streams and waterbodies

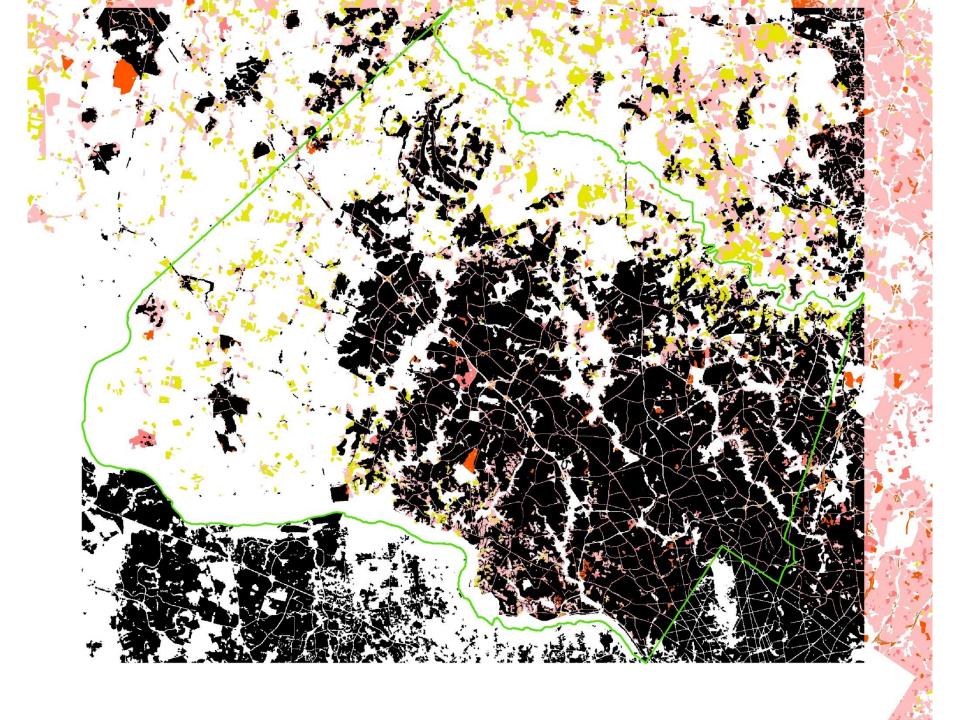












Proposed Phase 6 Definitions of "Forests" and "Urban Tree Canopy"

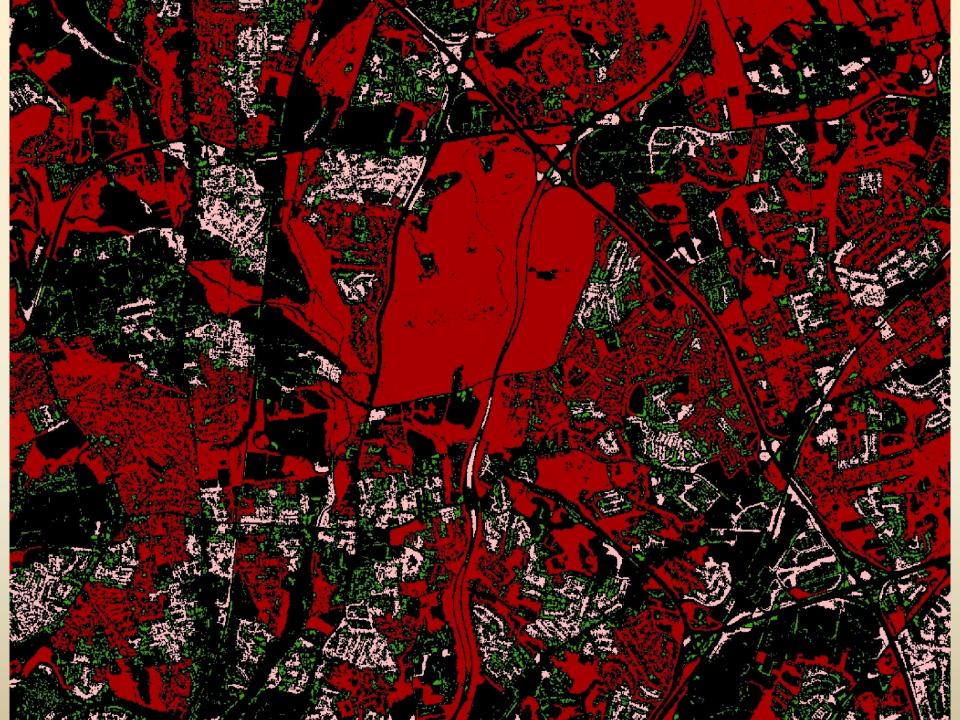
1. Forests

- A. Developed areas
 - Un-fragmented patches of trees >= 1 acre (circle)
- B. Rural areas
 - All trees

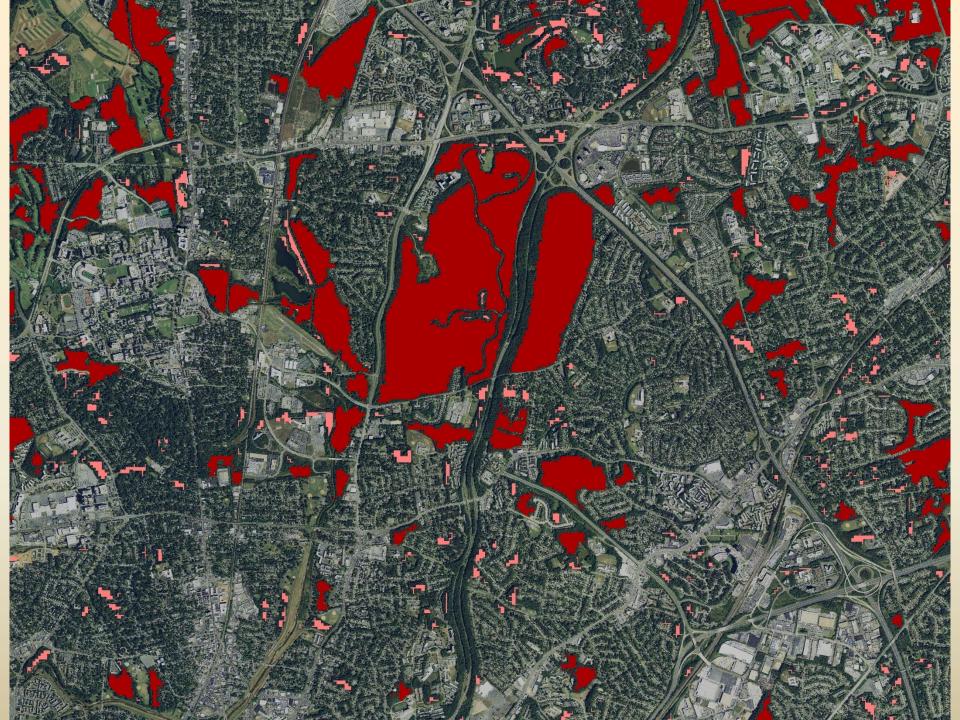
2. Tree canopy

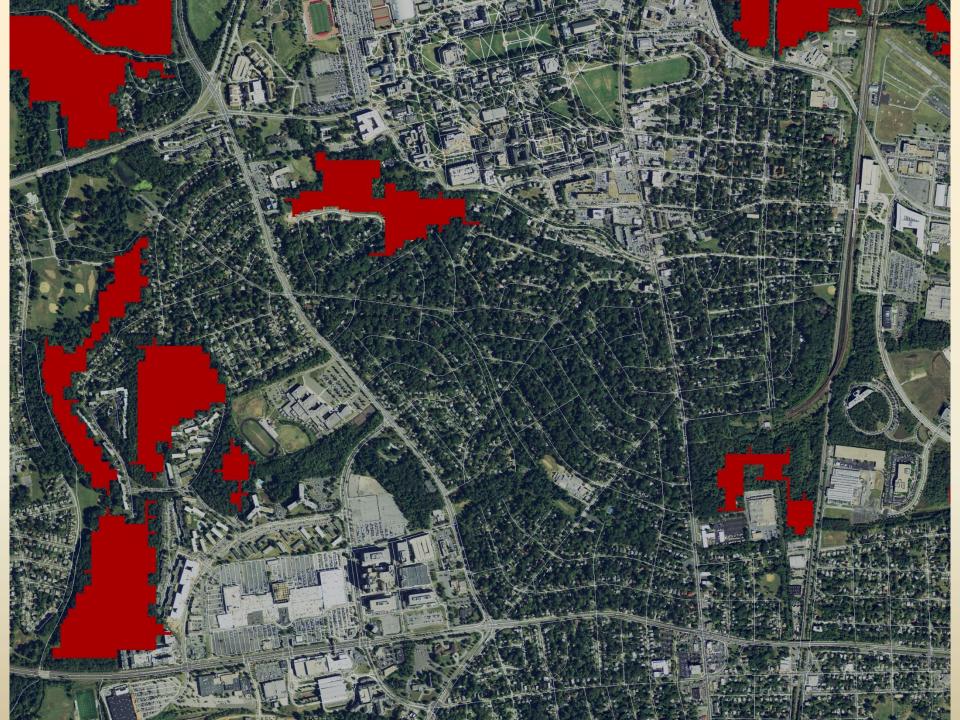
In patches < 1 acre within developed areas



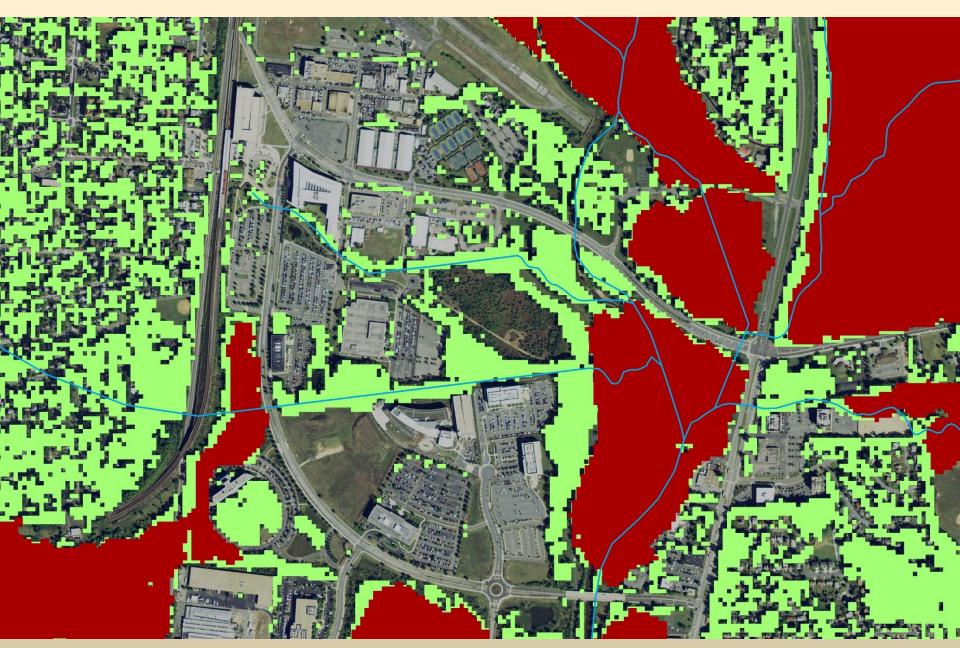


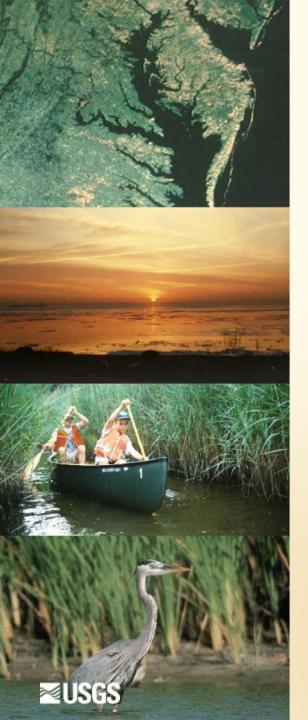














Phase 6 Land Use

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