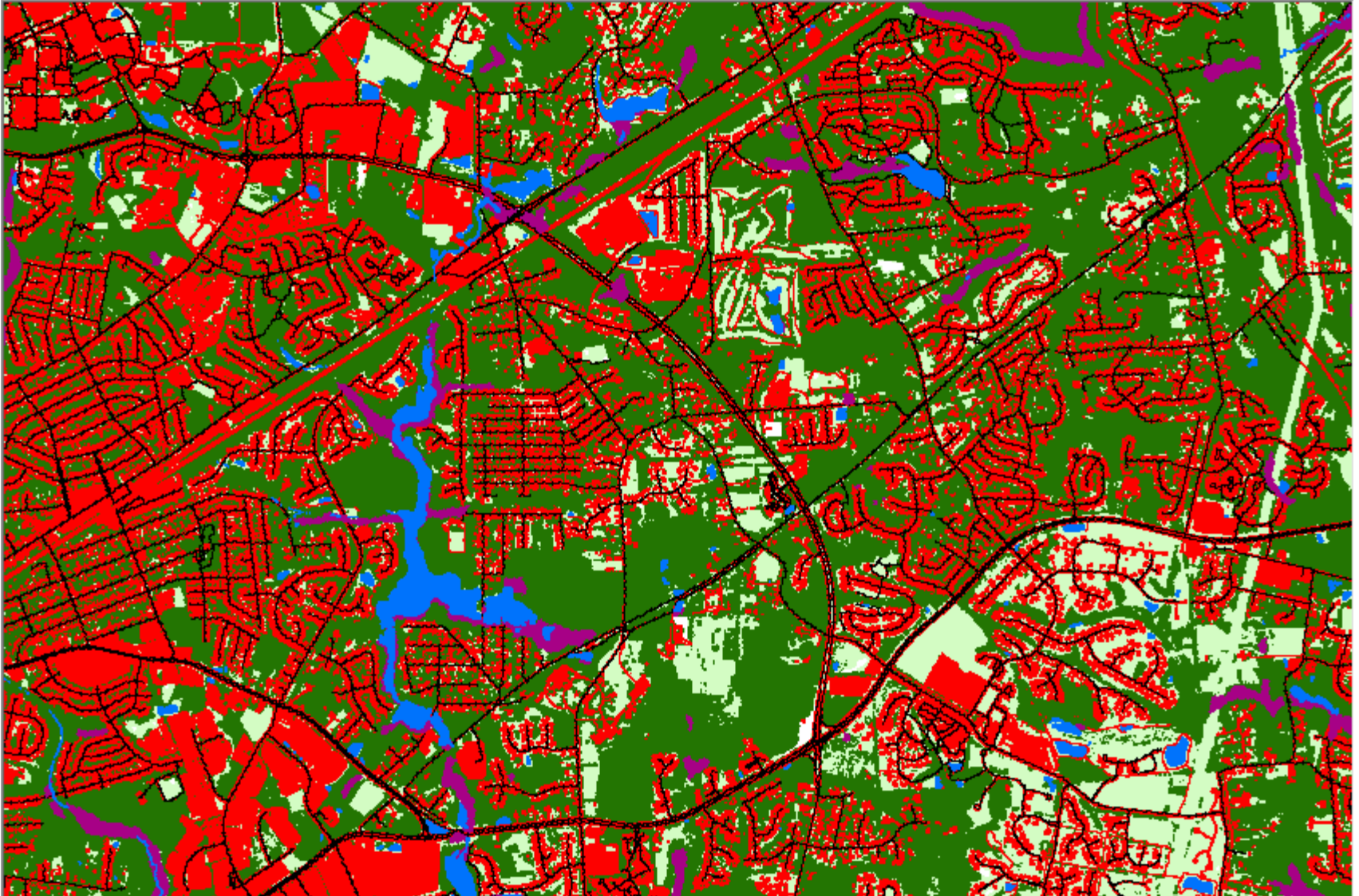# CBP Dataset Methodology

- 3 Phases
  - Data selection
  - Geo-processing
  - QA/QC
- Goals
  - To create land use layers by blending local and national ancillary data sets
  - To create the Developed baseline data set for locations without local data sources
- Example: City of Bowie in Prince George's County, MD

Bowie, MD at 10m resolution

Bowie, MD at 30m resolution

Case Studies by County

- Delaware: Kent, New Castle, Sussex
- Maryland: **Charles**, **Prince George's, Wicomico**
- Pennsylvania: Adams, Centre, Fulton, Lackawanna, **Lancaster**
- New York: Broome, Chemug, Ontario
- Virginia: Arlington, **Fairfax**, Henrico, Loudon, City of Newport News

Update on Phase 6 Land Uses - Wetlands

- 4 Land Use Classes
    1. Tidal (fresh and saline)
    2. Floodplain
    3. Depressional
    4. Headwater
- Experiment Strategy
    1. Identification of the location of wetlands. Use attributes associated with NWI to classify into the 4 major categories.
    2. Delineate and estimate contributing drainage area
    3. Apply equation to estimate retention efficiency. The 1st-order kinetic equation recommended from STAC would be used as a first approximation.
- Case Studies
    1. Lancaster County, MD
    2. Wicomico County, MD

Update on Phase 6 Land Uses – Urban Tree Canopy

- New Data Acquired
  - District of Columbia
  - Maryland (statewide)
  - Virginia (bay-wide)
  - West Virginia (statewide)
  - University of Vermont 71 Counties and Jurisdictions throughout the Bay Watershed
- Data Requested and under construction
  - Delaware (statewide)