

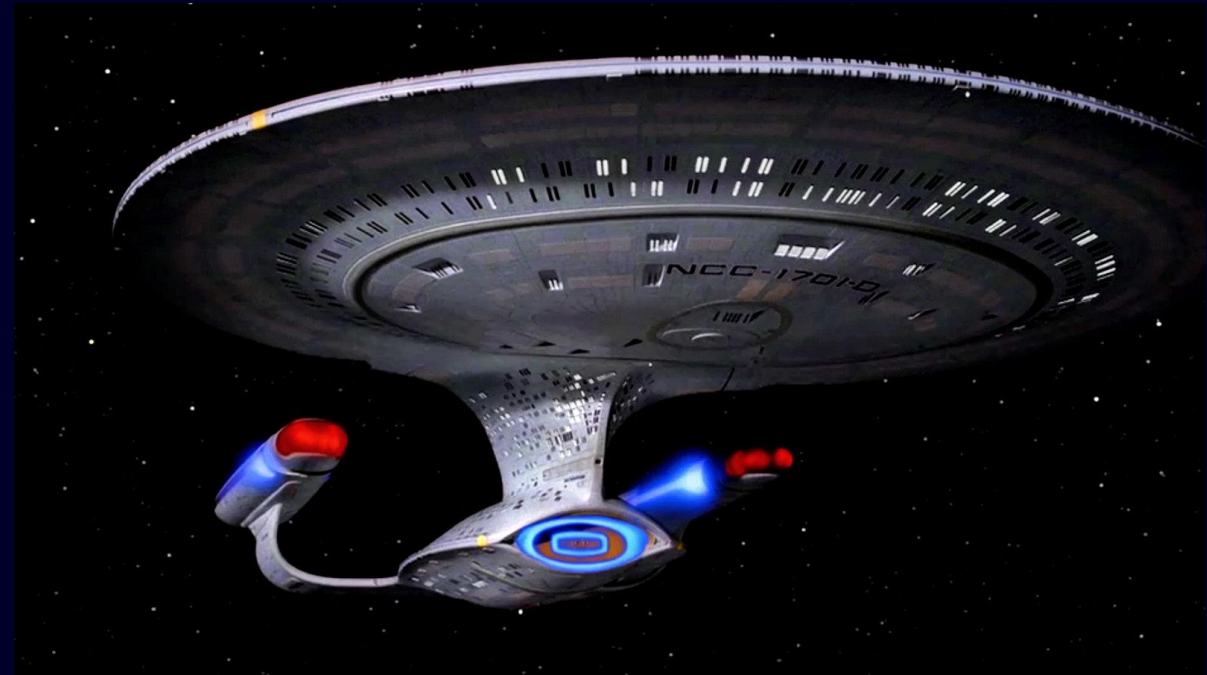


Chesapeake Bay Watershed Land Use: the Next Generation

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Agriculture Workgroup

U.S. Department of the Interior
U.S. Geological Survey



Local land use and parcel data



- Low-density Residential
- Recreation
- Agriculture
- Roads

High-resolution land cover data



- Impervious surfaces
- Tree canopy
- Low vegetation
- Water

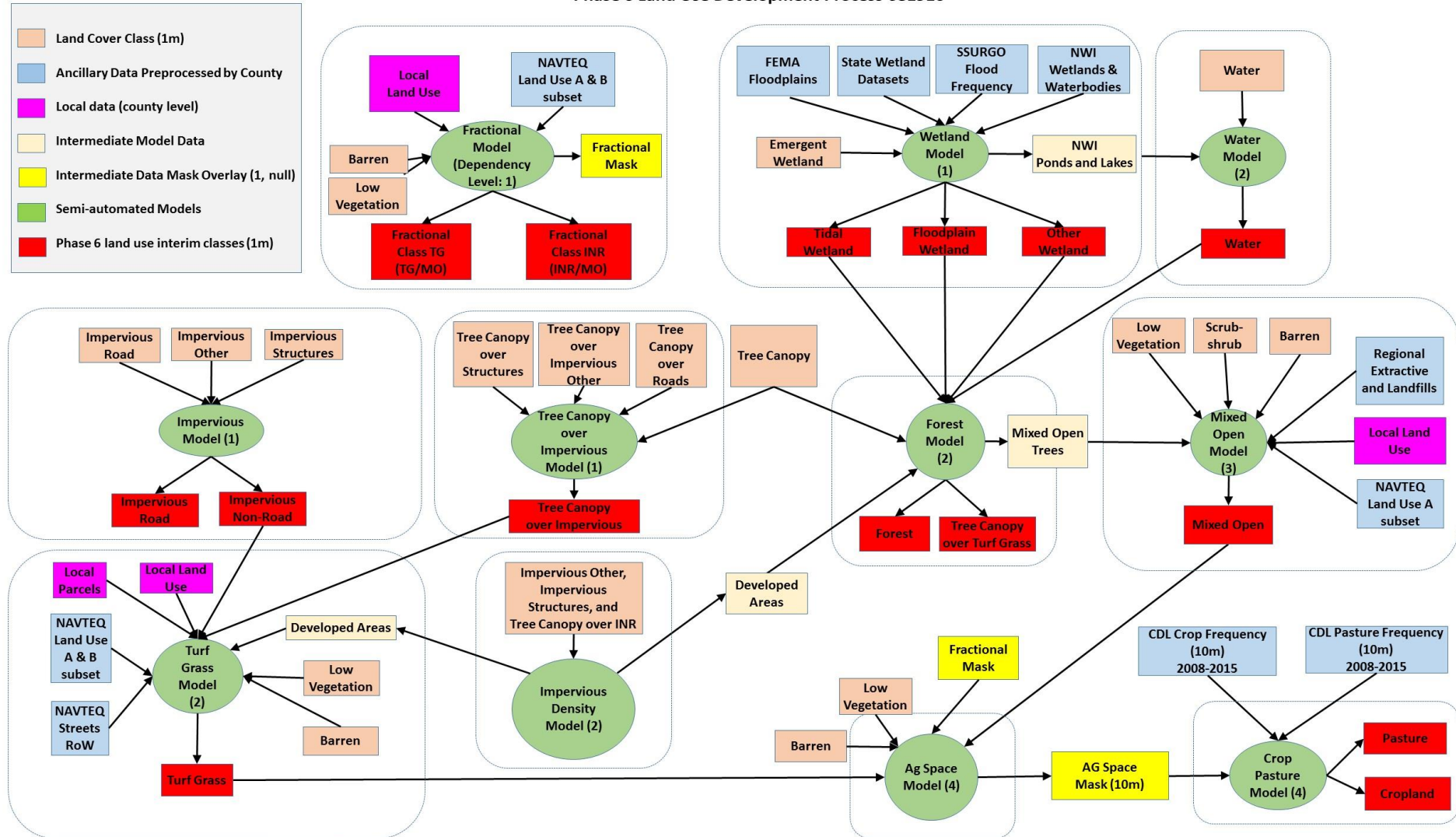


Phase 6 Land Uses

- Impervious-Roads
- Forests
- Turf Grass
- Open Space

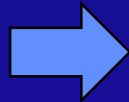
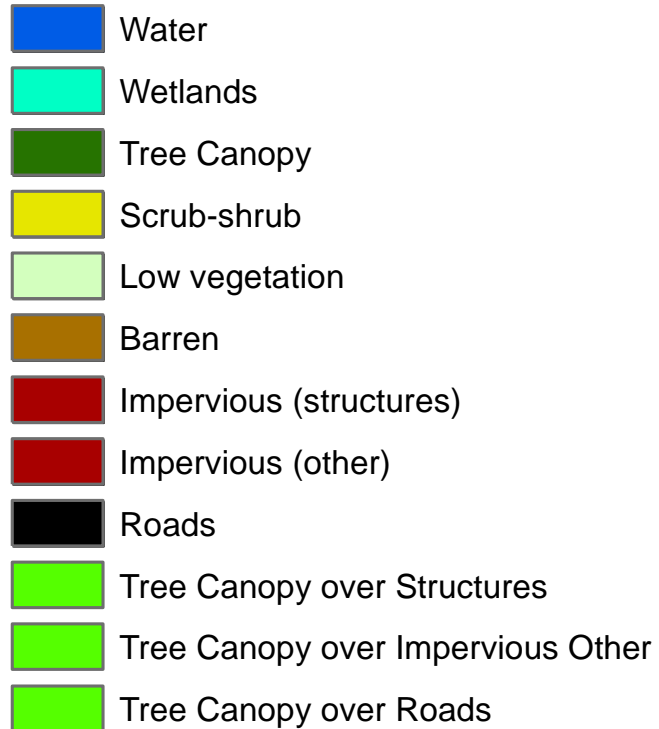
Phase 6 Land Use Model: translating land cover into land use

Phase 6 Land Use Development Process 081916

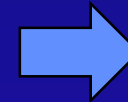


2013 Chesapeake Bay Watershed Land Cover/Use Data

1m Land Cover



1m Land Use



10m Land Cover/Use



Current vs Potential Land Use Classes

Tree Canopy/Scrub-shrub/Herbaceous

- Tree Canopy Over Impervious
- Tree Canopy Over Turf Grass
- Forest
 - Deciduous
 - Evergreen
 - Cultivated (orchards, vineyards)

Impervious

- Roads
- Non-Roads
 - Buildings
 - Urban
 - Greenhouses
 - Animal Operations
 - Solar fields
 - Other (driveways, parking lots)

Wetlands

- Tidal
- Non-Tidal Floodplain
- Non-Tidal Other
 - Headwater
 - Other

Water

- Tidal
- Non-Tidal Lotic (stream)
- Non-Tidal Lentic (pond)

Herbaceous/Barren/Scrub-shrub

- Turf grass
- Pasture
- Cropland
 - Center Pivot
- Mixed Open
 - Harvested Forest (0-3 yrs)
 - Managed succession (post harvest)
 - Natural succession (fallow)
 - Suspended succession (right-of-ways)
 - Extractive (active)
 - Construction (bare pre-development)
 - Bare shore
 - Marine/Estuarine
 - Lotic
 - Lentic

* White classes are current.

* Yellow classes are proposed.