



State Land Cover Data

HRPDC Regional Environmental Committee

July 7, 2016

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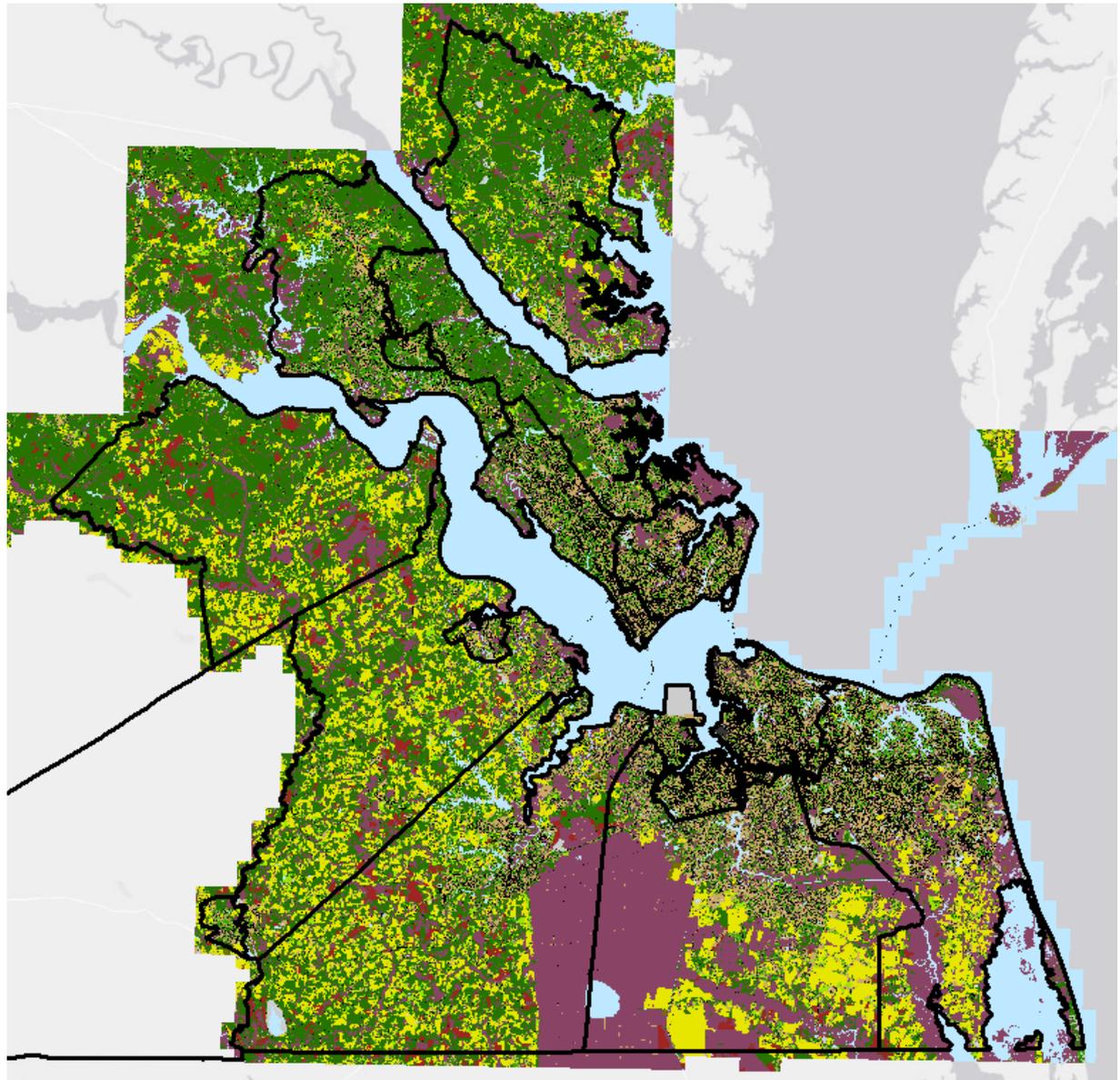
Brief History

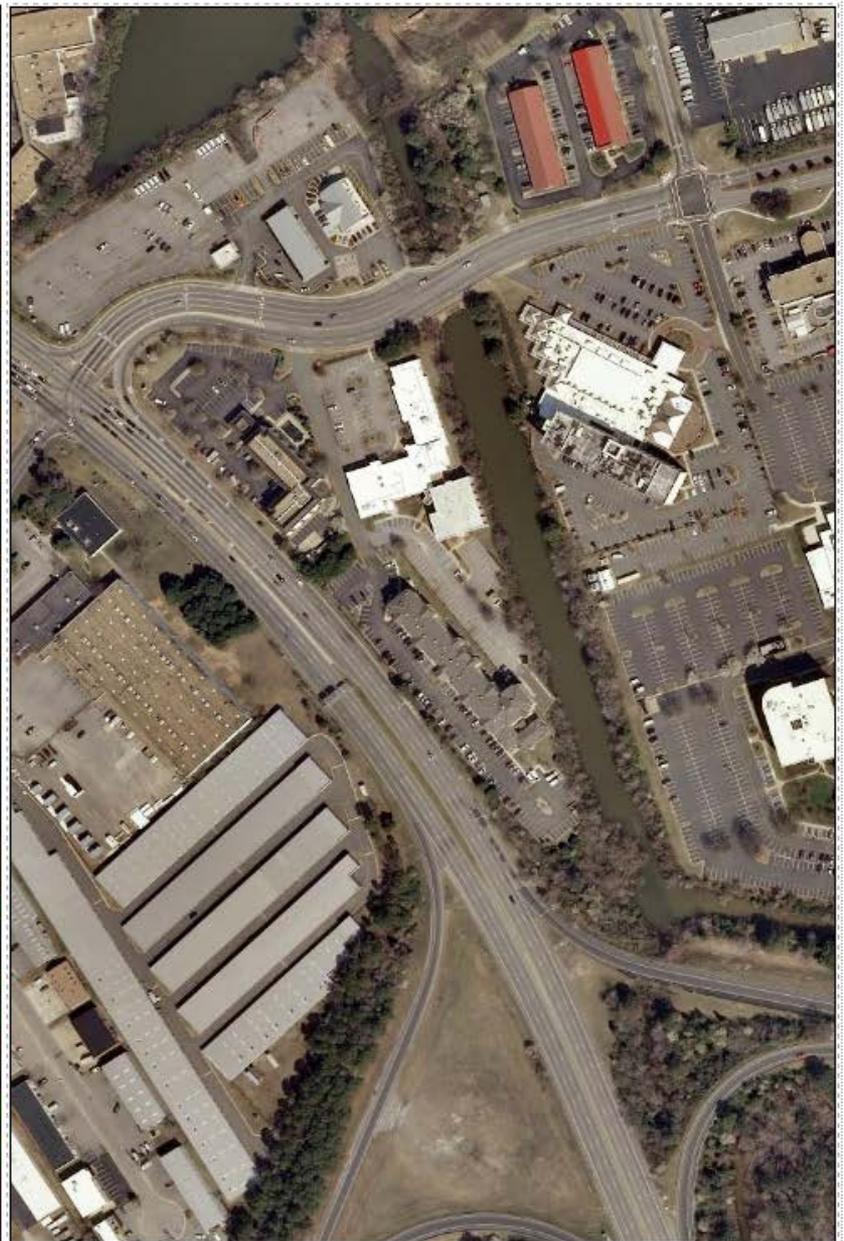
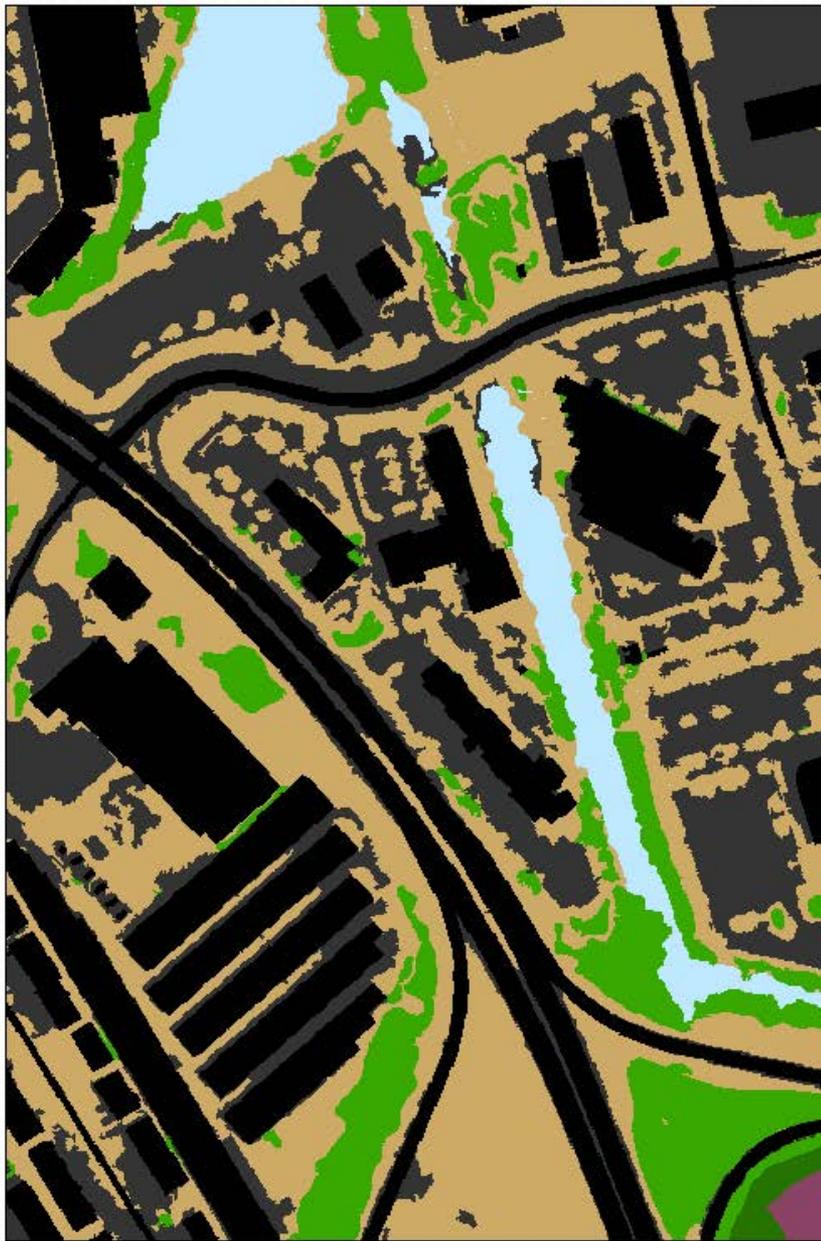
- **Fall 2013** - HRPDC began working with state to secure funding for land cover data for use in the Chesapeake Bay model
- **Winter 2014** - Legislation passed in General Assembly directing DEQ to fund land cover data with WQIF; VGIN coordinating
- **2014-2015** - VGIN gathered stakeholders to identify technical requirements - DEQ, CBP, USGS and others
- **Spring 2015** - Issued RFP
- **Summer 2015** - WorldView Solutions named as contractor
- **Fall 2015** - Pilot areas completed for review
- **Winter/Spring 2016** - Revisions required for Bay Area 1
- **Summer 2016** - Completed land cover for all of Bay Area
- **Fall 2016** - Rest of state completed

Final Classifications

- Water
 - 11 - Open Water
- Developed
 - 21 - Impervious (Extracted)
 - 22 - Impervious (Local Datasets)
- Barren
 - 31 - Barren
- Forested
 - 41 - Forest
 - 42 - Tree
- Shrubland
 - 51 - Scrub/Shrub
- Disturbed
 - 61 - Harvested/Disturbed
- Herbaceous
 - 71 - Turf Grass
- Planted/Cultivated
 - 81 - Pasture
 - 82 - Cropland
- Wetlands
 - 91 - NWI/Other

- Land Cover
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Available Data to Download from VGIN

- **Bay Areas 1,2, and 3**
- **Data**
 - Raster
 - Vector
 - Hydro areas alone
 - All divided into tiles
- **Report**
 - Classification summary by county

Processed by HRPDC

- Merged raster tiles and clipped to HRPDC boundary and Chesapeake Bay boundary
- Land use reports by locality with and without federal property
- Calculated areas may differ slightly from VGIN numbers due to different boundary files used
- FTP delivery

<http://arcg.is/29h4XkV>

VA Land Cover Service and Download

Overview



1 meter Land Cover Dataset based on an 12 classification scheme. This statewide dataset is divided into tiled imagery from the Virginia Base Mapping Program (VBMP) orthophotography between the dates of 2011 and 2015.

by VGIN

Last Modified: June 30, 2016

 Tile Layer

Description

The Virginia Geographic Information Network (VGIN) and its partners have coordinated the development of a statewide Land Cover Dataset, improving land coverage data to assist localities in planning and implementing stormwater management programs. The Land Cover product leverages the Commonwealth's investment in the VBMP digital orthophotography and is focused on creating a consistent, statewide 1 meter digital land classification. Land Cover data extraction is being publicly provided back to local governments and state agencies in both raster and vector data formats.

Downloads:

[Classification Summary by County \(PDF\)](#)

[Classification Summary by County \(CSV\)](#)

[Bay Area 1 Hydro](#)

[Bay Area 1 Raster](#)

[Bay Area 1 Vector](#)

Open in Map Viewer

Open in Scene Viewer

Open in ArcGIS for Desktop

Details

☆☆☆☆ 0 ratings, 253 views

Source: [Map Service](#)

Created: March 3, 2016

Size: 1 KB



Owner

 VGIN

Tags

[Virginia, Land Cover](#)

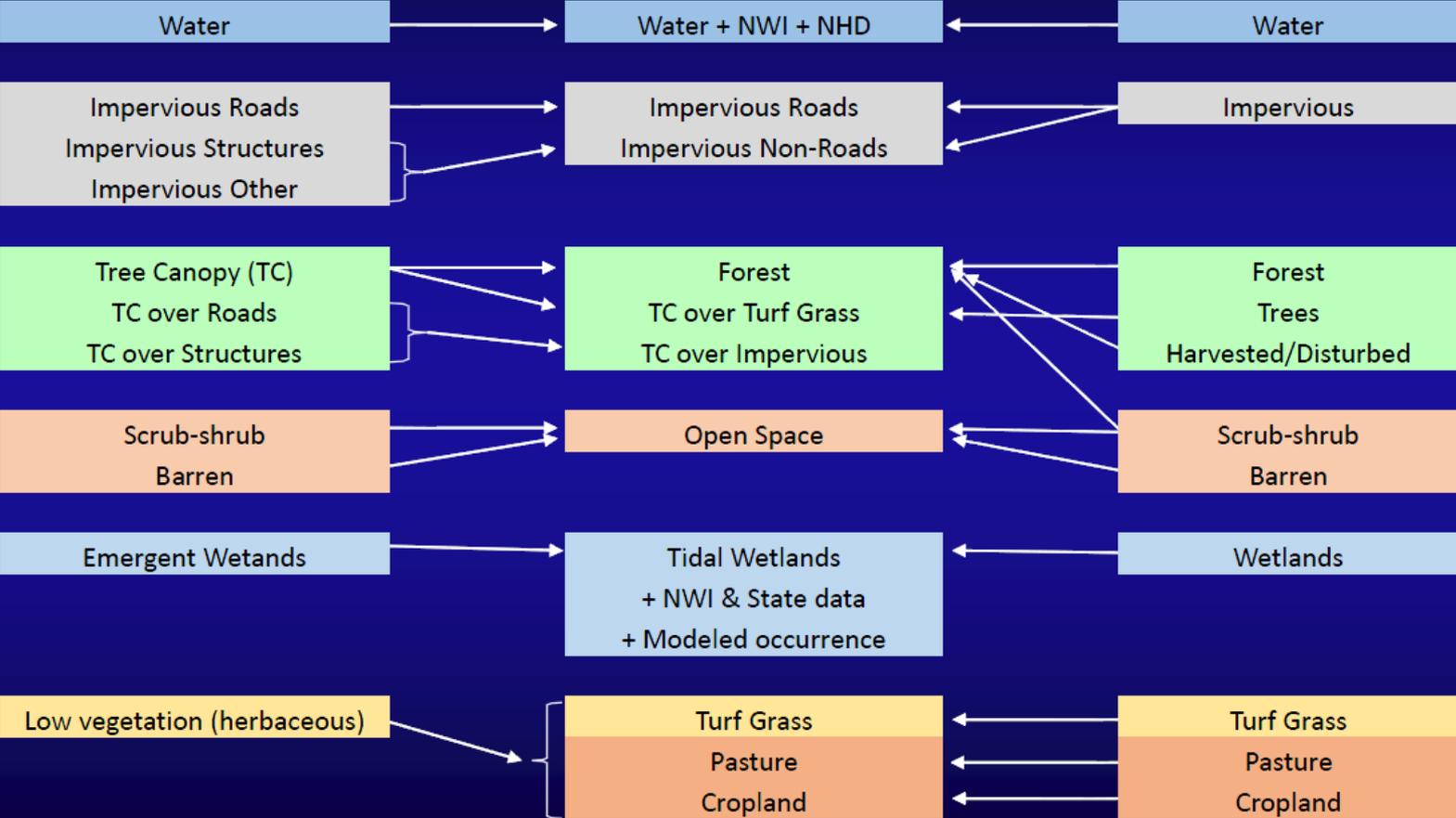
Credits (Attribution)

Land Cover to Land Use Crosswalk

Chesapeake Conservancy/ UVM

Phase 6 CBP

Worldview Solutions Inc.



Chesapeake Bay Phase 6 Land Use Review

- All localities will have the chance to review on a rolling basis as CBP incorporates the new land cover
- Once your locality is notified to begin reviewing CBP land use, you will have 4 weeks to do so
 - Phase 6 Land Use
 - MS4 boundaries
 - Sewer service areas
- Data finalized by September 2016; available for distribution in November 2016
- Data includes counties only partially in watershed
- Demo
 - Land use currently in review site is just temporary draft. Do not review this.
 - <http://chesapeake.usgs.gov/phase6/map/>

Land Cover Data Access

- **Data Download from VGIN**
 - <http://arcg.is/29h4XkV>
- **Technical Info and Metadata**
 - Will be posted to HRPDC meeting page
 - <http://www.hrpdcva.gov/events/index/view/id/501/>
- **HRPDC clipped data & reports**
 - Watch for email soon