



Final Phase 6 Land Use Database Project Plan

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Eastern Geographic Science Center**

Phase 6 LU DB Production Overview

- High Resolution LC LU Product Description
- Land Cover Vendors and Contractors
- USGS Process Development
- Overall Schedule Changes

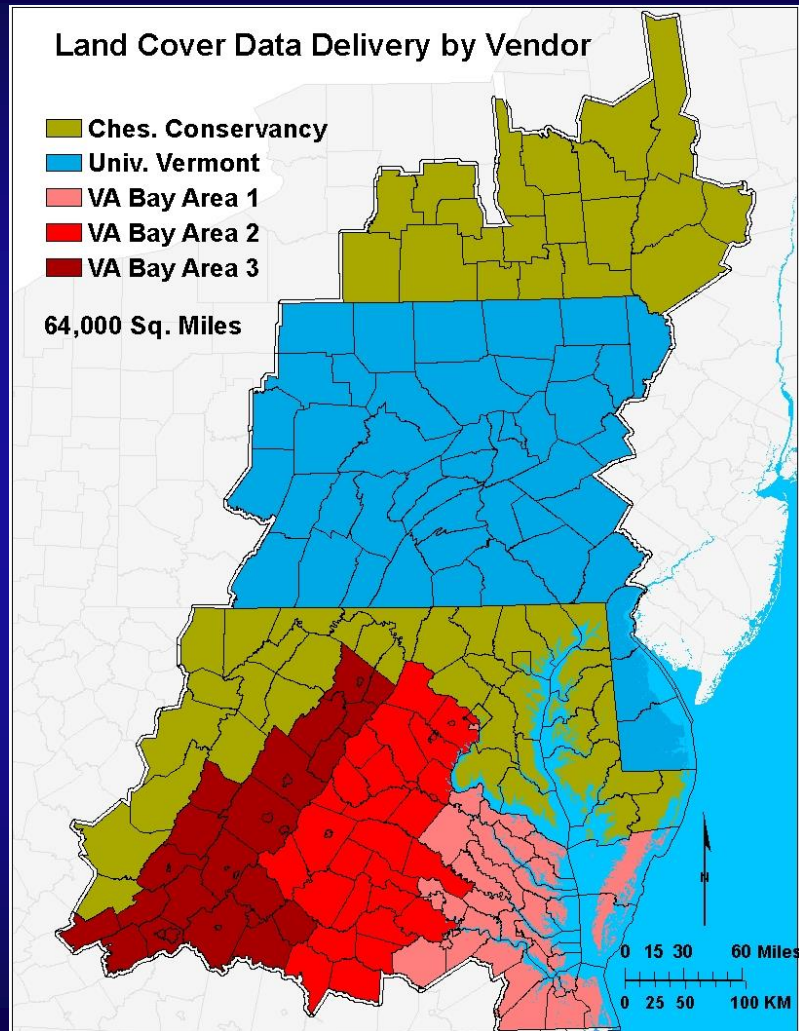
High-resolution Land Cover Data

- **207 Counties:**
 - **Spectral and Ancillary Derived Land Cover Data**
 - **One Raster Image per County**
 - **One Meter Resolution Rasters**
 - **Variety of Minimum Mapping Units**

High-resolution Land Cover Data

- **Three Sources:**
 - **Chesapeake Conservancy (CC)**
 - Maryland, District of Columbia, New York, and West Virginia (59 counties)
 - **University of Vermont (UVM) Subcontractor**
 - Pennsylvania and Delaware Counties (46 counties)
 - **Worldview Solutions Incorporated**
 - All Virginia counties (102 counties)

High-resolution Land Cover Data



Process Development

- **Dec '15 – March '16 Automate Steps to:**
 - Project Input Imagery to Albers at 1 Meter Resolution
 - Identify:
 - Turf
 - Forest
 - Tree Canopy over Turf
 - Tree Canopy over Scrub-shrub
 - Distinguish Pasture/Crop in Non-VA States
 - Burn in wetlands
- Aggregate individual classes to 10m resolution

Process Development

- Dec '15 – End Jan '16 Automate Steps to:
 - ~~Project Input Imagery to Albers at 1 Meter Resolution~~
 - Identify:
 - Turf
 - Forest
 - Tree Canopy over Turf
 - Tree Canopy over Scrub-shrub
 - Distinguish Pasture/Crop in Non-VA States
 - Burn in wetlands
 - Aggregate individual classes to 10m resolution
 - Add Tree Canopy to Virginia (August)
 - Add PA Wetland Data to PA (August)







Process Development

- ~~Mid December, 2015 – Jan, 2016~~
- Mid December, 2015 – March 4 , 2016
 - Process Design
 - Coding/Testing
 - Analyst Training

Land Cover Data Delivery to CBPO

Input Data	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	%/State
DC	0%	0%	100%	0%	0%	0%	0%	100%
DE	0%	100%	0%	0%	0%	0%	0%	100%
MD	0%	0%	50%	50%	0%	0%	0%	100%
NY	0%	0%	0%	0%	50%	50%	0%	100%
PA	0%	0%	21%	16%	14%	42%	7%	100%
VA	37%	0%	32%	0%	30%	0%	0%	100%
WV	0%	0%	0%	0%	0%	0%	100%	100%
%/Month	18%	1%	27%	9%	23%	14%	8%	100%

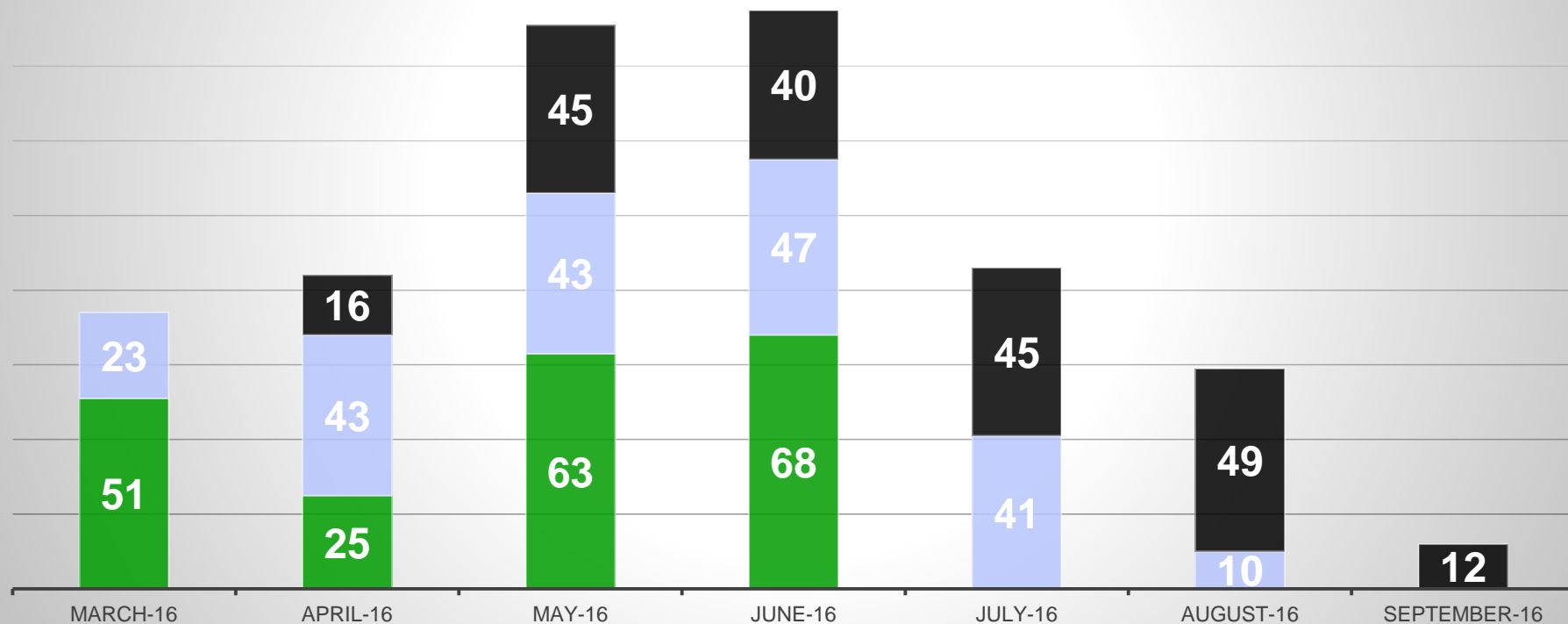
Completion Schedule

Completion	Mar-16	Apr-16	May-16	Jun-16	Jul-16	%/State
DC						100%
DE						100%
MD						100%
NY						100%
PA						100%
VA						100%
WV						100%
%/Month	 15%	 25%	 25%	 26%	 9%	100%

Phase 6 Land Cover Data Process

Counties Per Month

■ Delivery ■ Review ■ End



Production Schedule (Dec '15 – Jul '16)

LC Data Production & Local Review
Nov '15 – May '16

P6 LU Production & Local Review
Feb '16 – Jul '16

Production Schedule (Dec '15 – AUGUST '16)

LC Data Production & Local Review
Nov '15 – June '16

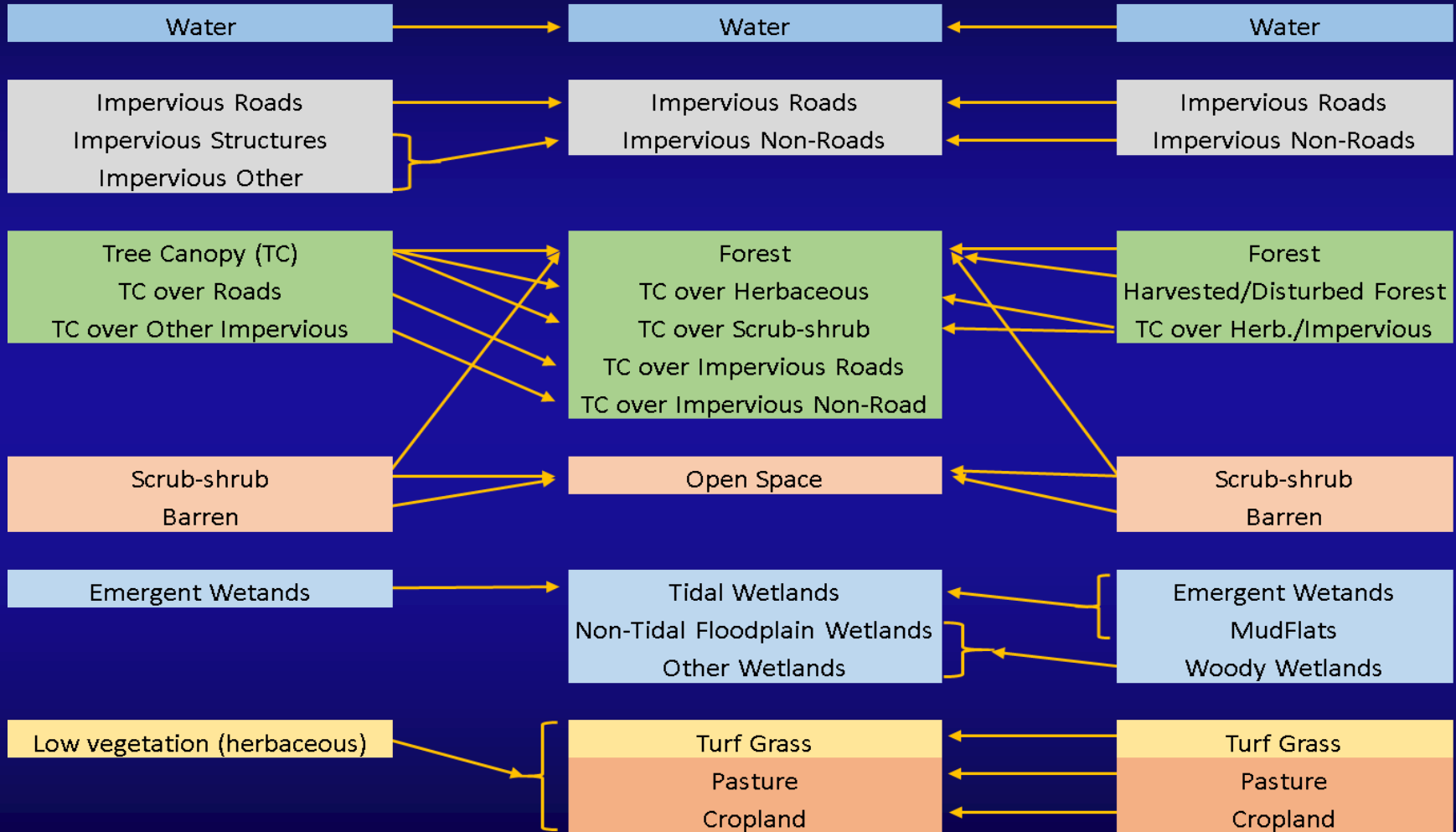
P6 LU Production & Local Review
March '16 – August '16

Land Cover to Land Use Crosswalk

Chesapeake Conservancy/ UVM

Phase 6 CBP

Worldview Solutions Inc.

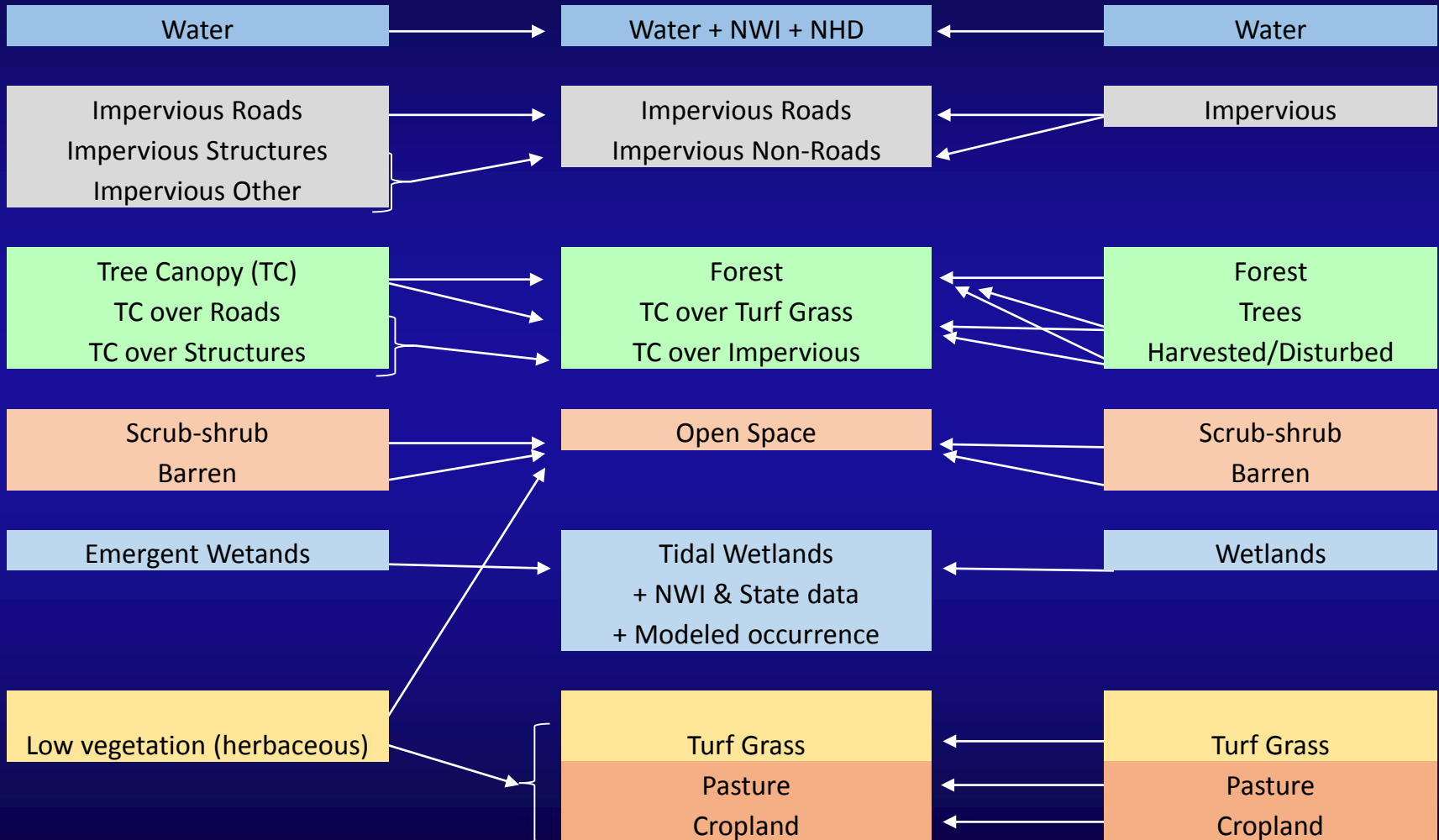


Land Cover to Land Use Crosswalk

Chesapeake Conservancy/ UVM

Phase 6 CBP

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Production Schedule (Dec '15 – Jul ' 16)

Land Cover data production &
Local Review of LC data

?– ?

P6 Land Use production &
Local Review of P6LU data

March 7 – August 2016

Some Final Deliveries not until September

Uncertainties

- **Accuracy Evaluations**
 - Holding Up Local Data Review
 - Metadata Requirement Issues
- **VA Bay Area 2 Delivery**
 - Delivery Dates not Firm
 - Impact on other Bay Area Deliveries?

Issues

- **Virginia Tree Canopy**
 - In Negotiation: CC, VDEQ
- **Open Space Definition**
 - In Discussion
 - Create New Category?: Maryland, et al. ?
- **Turf Grass: Ag. vs. Non-Ag Low Veg**
 - Now Resolved

Issues

- Pennsylvania Wetland Data – August 2016
- Virginia Tree Canopy Data – August 2016
 - Chesapeake Conservancy
- September To Finish

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