



## **2013/2014 - 2017/2018 Draft Land Use Change Reviewer Instructions**

### **Purpose:**

This document provides instructions on reviewing the **draft 2013/2014 - 2017/2018 land use change data**. The purpose of this review is to confirm that the land change data are capturing the majority of change due to new development, timber harvest, natural succession, and agricultural conversion/expansion for the period 2013-14 to 2017-18 and that adding these change data into CAST will provide a more accurate land use than simply continuing with the 2013- 2025 extrapolated land use for 2021 and 2022. Incorporation of these data in CAST is subject to approval by the Water Quality Goal Implementation Team. Use of these data in CAST ensures that the best available data and our best understanding of land use change informs CBP Partnership restoration decisions.

### **Background Information**

The Chesapeake Conservancy's Conservation Innovation Center (CIC), in partnership with the University of Vermont Spatial Analysis Lab (UVM SAL) and the U.S. Geological Survey (USGS), are creating high-resolution land use change datasets to inform the Chesapeake Assessment Scenario Tool (CAST) in addition to the Land Use Methods and Metrics Outcome and many other CBP Partner needs. These **1-meter** resolution datasets will be used to describe changes in land use from 2013/14 to 2017/18 and later to 2021/22. For information on the land change methodology, please review the separate Land Use Change Methodology document posted on the LUWG meeting page:

[https://www.chesapeakebay.net/channel\\_files/42095/lu\\_change\\_methods\\_20210505.pdf](https://www.chesapeakebay.net/channel_files/42095/lu_change_methods_20210505.pdf)

### **Comment Protocol:**

- Summarize comments and email to Peter Claggett ([pclaggett@chesapeakebay.net](mailto:pclaggett@chesapeakebay.net)) or Rachel Soobitsky ([rsoobitsky@chesapeakeconservancy.org](mailto:rsoobitsky@chesapeakeconservancy.org))

### **How to view data in the Web Application:**

Web application: <http://cicapps.org/obj1lu/>

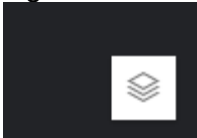
1. This web application has three panels. The panel on the left contains the 2013/2014 National Agriculture Imagery Program (NAIP) data. The middle panel contains the 2017/2018 NAIP data. The panel on the right contains the draft land use change dataset for the 14 prototype counties derived from the two sets of NAIP data along with a variety of classification rules. The three panels are linked. When you pan or zoom within any of them, all move in sync.  
**IMPORTANT:** If you see land use data covering entire counties in the right-hand panel, hit your F12 button which will bring up a bunch of code on the right side of your screen. Then navigate your mouse to the refresh icon (circular arrow) just to the left of the URL

address bar. Right click on the refresh icon and scroll down and select: “Empty Cache and Hard Reload”. This will refresh your viewer with the change data in the right-hand panel. After doing this once, the problem should not reoccur. This has been tested on Google Chrome and Microsoft Edge.

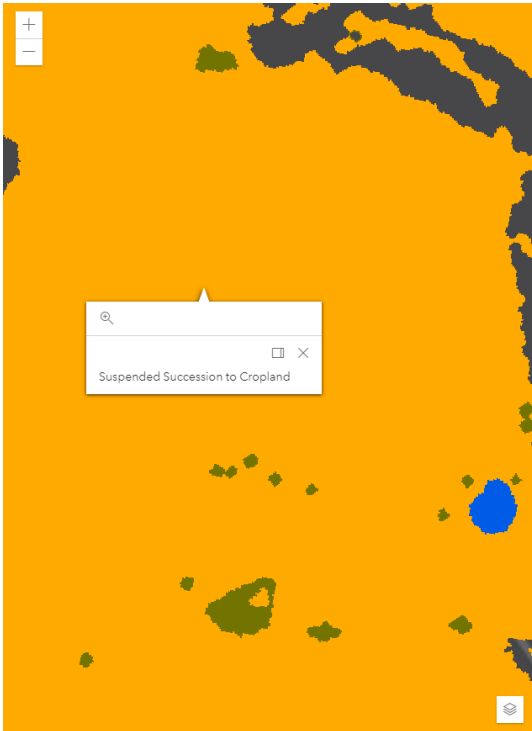
2. Within the web application, the search bar is on the top left and will work on all of the 3 panels. Type in any address for the map to zoom to.



3. You can open a legend by clicking this icon in the bottom right. Click again to close the legend.



4. You can click on the land cover change layer to get a pop-up with which change occurred.



5. To avoid a messy colormap with hundreds of different colors, we made the land use change raster colors match the land use raster colors for what the land use is in 2017/2018 (time period 2).