

New Process for land use change data to go into CAST21:

Land Cover Change Product:

- Land cover change between 2013/14 (T1) and 2017/18 (T2) assessed using imagery
- Developed by U. of Vermont (UVM) prior to local data review and systematic error fixes
- Reviewed by UVM QAQC team
- There is a LC change layer for every county that has gone through local review of T2 LC. Therefore, every county that states “review complete” or “in-review” in the [status map](#) has T1 LC, LC change, and T2 LC.
- Documentation on process will be provided in 2022.

Land Use Change Product:

- Land use change between 2013/14 (T1) and 2017/18 (T2), developed from land cover change product as described above
- Peter and the Chesapeake Conservancy team are developing two methodologies to decide which creates the best results. The 2013/14 LU will be altered to match the same classification scheme as 2017/18 LU.
- Developed concurrently to local review of land use in 14 prototype counties
- Systematic errors in land cover were not fixed prior to the draft land use of the 14 prototype counties and land use change products. However, systematic errors in land cover will be incorporated in the June 2021 (V1) land use change product that is going into CAST21.
- 14 prototype counties for review, remaining counties produced after the approval of methodology by June 30, 2021. They will be re-created with the further refined Land Cover between July 2021 and February 2022.
- Documentation on process will be provided in 2022.
- Land use change products for the 14 prototype counties will be available May 5 for LUWG meeting. First draft land use change products for one or two counties will be available by April 26 for the WQGIT meeting.
- To be reviewed by LUWG, AgWG, USWG, FWG, & WQGIT May 5 – May 17

Schedule moving forward:

Apr 26: WQGIT presented with information on the 2013-2017 land use change product, how it can be incorporated into CAST, and an overview of the decision that will be requested of the WQGIT during their May 24 call.

May 5 – May 17: Sector workgroups (AGWG, USWG, FWG, & LUWG) review 2013-2017 land use change data on Chesapeake Innovation Center’s (CIC) web application.

May 5: LUWG discusses methodology for and review of 2013-2017 land use change data.

May 20: LUWG meets to review comments from sector workgroups on the land use change data and makes recommendation to the WQGIT on use of the change data in CAST.

May 24: WQGIT decides whether to use the 2013 – 2017 land use change data, as implemented in the 14 prototype counties, in CAST-21

Jun 30: CIC completes initial version of the 2013-2017 land use change dataset for all counties to go into CAST21. Systematic errors identified in the review of the 2017 land cover data will be addressed in the land cover change and land use change products.

Jul - Dec: CIC refines and finalizes 2013-2017 land use change dataset for other purposes. This dataset incorporates the further refined (V2) land cover (which includes the remaining local review error fixes), and other changes the CBP workgroups identify.