







Land Use Land Cover Project Update

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Accuracy Assessment Land Cover Change 2022 edition

Sampling methodology, procedure, and schedule



Methodology

- Stratified Random Sampling
 - Land Cover Change classification
 - State
 - Proximity to mapped change
- Number of samples
 - o 10,000 samples for the 2016 edition Land Cover
 - 28,824 samples for the 2022 edition Land Cover Change
 - Calculated based on strata, expected accuracy, and percent of cumulative area

Stehman, S. V., & Foody, G. M. (2019). Key issues in rigorous accuracy assessment of land cover products. *Remote Sensing of Environment*, 231, 111199. https://doi.org/10.1016/j.rse.2019.05.018



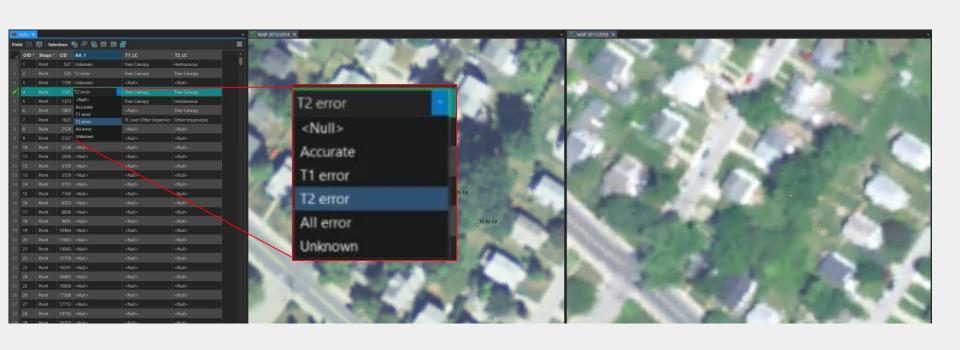
Methodology

- Who developed the methodology?
 - USGS Peter Claggett, Steve Stehman
 - CIC Jacob Czawlytko, Kumar Mainali
 - o UVM Jarlath O'Neil-Dunne
- Who will perform the accuracy assessment?
 - GIS expertise
 - Did not contribute to Objective 1 data
 - Conservation Innovation Center Analysts
- How will the accuracy assessment be performed?
 - Double linked map panes in ArcGIS Pro
 - NAIP imagery for T1 and T2
 - No visible LC Change data
 - Sample points with drop down menu responses

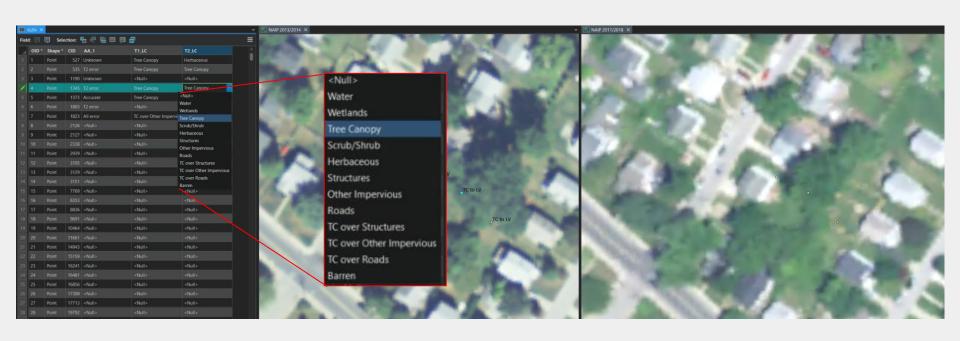














Land Cover Change Accuracy Assessment Schedule

- Develop code to generate sample points
 - o Current November 1, 2022
- Perform accuracy assessment
 - November 1, 2022 December 16, 2022
- Draft white paper
 - o January 2023





Questions?

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2017/2018 Data Review Land Use Land Cover 2022 edition

Schedule and application preview



2017/2018 Land Use Land Cover Data Review Purpose

- Allow stakeholder feedback
- Identify errors in land use classifications
 - not land cover
- Use results to inform model revisions



2017/2018 Land Use Land Cover Data Review Schedule

- Develop review application and instructions
 - o Currently September 30, 2022
- Application release
 - o October 3, 2022
- Review period
 - o October 3, 2022 October 31, 2022





Questions?

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