**Intro for Episode Page:** Providing accuracy metrics for a land cover map takes some work. But there’s poetry and story involved, too.

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**Eyes on Earth Episode 130 – NLCD Accuracy**

**Summary**:

Every pixel has a story. At least that’s how land remote sensing scientist Jo Horton sees it. The new Annual National Land Cover Database (NLCD) was just released in October 2024. NLCD is widely used for land cover and change research in the U.S. That’s why the Reference and Validation team provides accuracy metrics to users, and this work allows EROS to move land cover mapping science forward. Learn about what the Reference and Validation team does and what they are looking for when they closely examine thousands of Landsat sample pixels across the conterminous U.S. It sometimes involves some detective work as they figure out the stories of each pixel across time.

**Guest**: Jo Horton (contractor for USGS EROS)

**Host**: Tom Adamson (contractor for USGS EROS)

**Producer**: Tom Adamson (contractor for USGS EROS)

**Release date**: Monday, January 6, 2025

**More about NLCD**

* [Annual National Land Cover Database](http://www.usgs.gov/annualnlcd)
* [NLCD’s Path from Early Landscape Snapshot to Decades of Change](https://www.usgs.gov/centers/eros/news/nlcds-path-early-landscape-snapshot-decades-change)
* [Land Use Land Cover Modeling](https://www.usgs.gov/special-topics/land-use-land-cover-modeling)

**Related Episodes**

[Episode 126: Annual NLCD](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-126-annual-nlcd)

[Episode 106: EROS 50th—Land Cover, Part 1](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-106-eros-50th-land-cover-part-1)

[Episode 107: EROS 50th—Land Cover, Part 2](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-107-eros-50th-land-cover-part-2)

**Keywords**: Earth Resources Observation and Science (EROS) Center, Eyes on Earth, Landsat, Land Cover, National Land Cover Database, NLCD, Accuracy Assessment

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**Homepage image:**

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**Homepage descriptor**: In this episode of our remote sensing podcast, we talk about what EROS’s Reference and Validation team does to provide accuracy assessment metrics to users of NLCD.

**Topics:** Data, EROS, Land Change, Landsat, Remote Sensing

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