**Intro for Episode Page:** Studying forests means studying fire. Utah’s unique landscapes call for a unique dataset for forest management.

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**Eyes on Earth Episode 124 – Mapping Fires in Utah**

**Summary**: In this episode of Eyes on Earth, we talk to forest ecologist Jim Lutz about the effort to map fires in Utah. Fire research in the West is dominated by the study of large fires, but the forests in Utah are different. Utah typically does not have a lot of large fires as other western states do. So, to better understand the differences that the specific Utah vegetation types have in their response to fire, a fire atlas for the state was developed. This data helps inform land managers about the implications for forest management and for prescribed fire planning.

**Guest**: Jim Lutz, Utah State University

**Host**: Tom Adamson, contractor for USGS EROS

**Producer**: Tom Adamson, contractor for USGS EROS

**Release date**: Monday, September 30, 2024

**More about Mapping Fires in Utah**:

* [Monitoring Trends in Burn Severity (MTBS)](https://www.mtbs.gov/)
* [Article—Fire Regimes of Utah: The Past as Prologue](https://www.mdpi.com/2571-6255/6/11/423)
* [Article—Detecting tree mortality with Landsat-derived spectral indices: Improving ecological accuracy by examining uncertainty](https://doi.org/10.1016/j.rse.2019.111497)

**Related Episodes:**

* [Episode 122: EROS Interns, 2024](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-122-eros-interns-2024)
* [Episode 102: LANDFIRE 2022 Update](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-102-landfire-2022-update)
* [Episode 65: Rapid Fire Mapping with Remote Sensing](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-65-rapid-fire-mapping-remote-sensing)
* [Episode 49: Fire Atlas](https://www.usgs.gov/centers/eros/eyes-earth-episode-49-fire-atlas)

**Keywords**: Earth Resources Observation and Science (EROS) Center, Eyes on Earth, Fires, Wildfires, Utah, MTBS, Burn Severity, Landsat, NAIP

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**Homepage Descriptor**: This episode of our remote sensing podcast covers the relationship between fires and vegetation type in Utah forests.

**Topics:** Fires, Forests, Remote Sensing

**CMS of Webpage:**<https://cms.usgs.gov/centers/eros/science/eyes-earth-episode-124-mapping-fires-utah>