LANDFIRE Brief

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LANDFIRE RESPONDS

Welcome to this new series where we communicate how LANDFIRE is responding to the changing needs of users.

CHALLENGE: 5 things LANDFIRE overcame to become an "Annual Updating Program"

1. Previously we spent 1 year reconciling disturbance polygons – NOW we do it in a few months
2. Previously it took us 5 years to map 4 years of disturbance – NOW we map one year of disturbance in 5 months
3. Using better training data and imagery, LANDFIRE can NOW model vegetation lifeform, cover and height annually
4. We're leveraging automated processing scripts to improve fuel products & production
5. We're expediting data publishing by creating relationships for metadata review with other USGS programs

(Explore) Frequent Fire Landscape Map

In North America, we are regaled with news stories and scenes of fast-moving, destructive wildland fires. Behind these headlines though, are stories of complex, interdependent, and sometimes fire-dependent landscapes that require a second look.

This visualization identifies non-agriculture, non-developed landscapes where the current vegetation or historical vegetation type exhibited a native fire return interval (FRI) <35 years. Check it out…

LANDFIRE Office Hours:

Validating a Machine Learning-Based Fuel Management Model for Southern California Using LANDFIRE Products

Speaker: Dr. Lilly Jones, Post-Doc, Colorado State University
September 25, 2024 1 pm (ET)

Colorado State University Post-Doc, Lilly Jones will explore the development of a dynamic fuel management model for Southern California, built using Sentinel-2 data, MESMA, and random forest methods. The model's accuracy will be validated using LANDFIRE products, ensuring its predictive capacity aligns with real-world conditions. The talk will focus on how this integrated approach enhances fire hazard assessments and the implications for wildfire management strategies.

REGISTER

Landscape Assessment: Ouachita National Forest

LANDFIRE's complete set of geospatial,landscape-level products has been providing critical data for over 20 years to support wildland fire and natural resource management.

View the Assessment
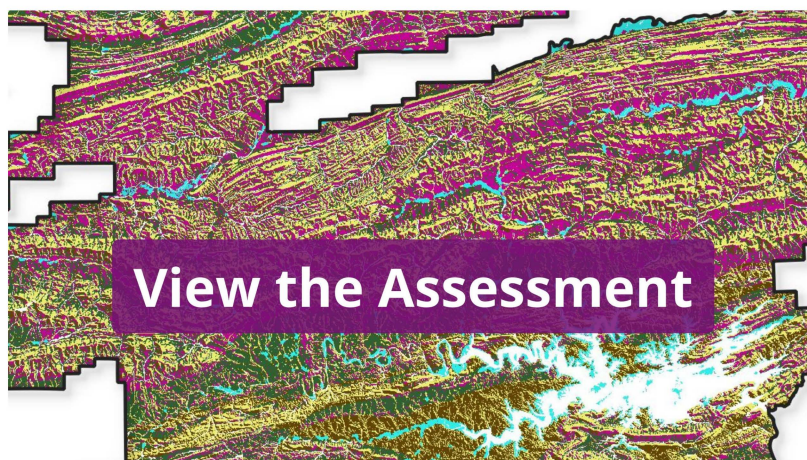
For example, ecologists Randy Swaty and Melanie Rudolf created a **Landscape Assessment for the Ouachita National Forest.** Assessments like these provide a starting point for seasoned and beginner LANDFIRE users to visualize and conceptualize ecological concepts such as historical fire regimes, historical disturbance patterns, the role of Biophysical Settings Models and patterns of change. TNC's LANDFIRE Team regularly creates preliminary landscape assessments like these for LANDFIRE users. If you'd like to have one made for your landscape, get in touch.

Did you miss it?

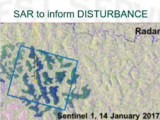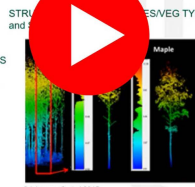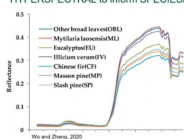**Dr. Inga La Puma** presents to the Missoula Fire Lab Seminar Series: "A New Foundation for LANDFIRE"

June's Office Hour: **Daryn Dockter** discusses recent improvements to LF's vegetation layers

Upcoming LF Release Schedule:

LOCATION	LANDFIRE PRODUCT	DATE
Northwest	LF 2023 Disturbance, Vegetation, Fuel	July ✓
Great Basin, SW Northern	Summer Seasonal MoD-FIS	July ✓
All Extents	Public Events Geodatabase	September
CONUS	PDist	September
CONUS / Alaska	LF 2023 Final Annual Disturbance	September
Southwest	Fall Seasonal MoD-FIS	October

NEW DELIVERY DATE! (Previous delivery Oct. 31)

FULL RELEASE SCHEDULE

LEARN ABOUT LANDFIRE VERSIONS

LANDFIRE helpdesk