

LANDFIRE Brief



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- LANDFIRE Responds: NEW LF Dictionary, Fire Regime Attributes are now “numeric” in the BpS layer, & (scroll down) Improving Disturbance Products
- Office Hour (2/28): Using Concepts of Resilience/Resistance and LANDFIRE to Address Wildfire in the Sagebrush Biome

LANDFIRE RESPONDS

Welcome to this new series where we communicate how LANDFIRE has responded to the changing needs of users. **We’ve got two this month!**

Let’s dive in:

1) NEW LF Dictionary

CHALLENGE: Beyond the tools available on landfire.gov, LANDFIRE

2) Fire Regime Attributes

CHALLENGE: Until recently, fire regime information was presented as

users needed a “one-stop shop” resource to provide information on the more than 65 products produced annually.

SOLUTION: In 2023, our team published the LANDFIRE (LF) Dictionary to provide information about products, Attribute Data Dictionaries (ADDs), data and metadata, and terms. The LF Dictionary supplements the LF sitemap and the more technical details of the LF Definitions, Quality, and Standards Report.

text, making it difficult to utilize a classified legend in GIS. This required manual grouping of similar fire return intervals or conversion of the text field to numeric values, leading to inefficiencies and frustrations.

SOLUTION: In a recent update, the LANDFIRE program modified the BpS layer to provide fire regime attributes as numeric fields. This change allows users to easily filter out these values for classification purposes. Going forward, this update aims to streamline data analysis and presentation of LANDFIRE Biophysical Settings data.



Office Hour: Using Concepts of Resilience/ Resistance and LANDFIRE to Address Wildfire in the Sagebrush Biome

REGISTER

**Jessi L. Brown, USDA Forest Service, RMRS, Reno, NV
February 28, 2024 | 1 pm (ET)**

Many dryland ecosystems are at risk of transitioning to alternative and less desirable states due to invasion by exotic annual forbs and grasses, expansion of woody species, and altered fire regimes. Incorporating indicators of ecological resilience and resistance to invasive annual grasses can be used to prioritize areas for treatment or protection. We use additional input from LANDFIRE products, such as Biophysical

Settings (BpS), to inform expected vegetation and degree of departure from reference states within the sagebrush biome. This helps us evaluate the ecological status of diverse ecosystems and determine locally appropriate management strategies.

Note: To attend, you must register for Office Hours in 2024 - **even if you were previously registered. Click the link above to register. To gain access to the meeting, keep a copy of your confirmation email and Zoom meeting passcode.*

LANDFIRE Responds & Completes the Picture

Improving Disturbance and
Downstream LANDFIRE
Products

QUICK SUMMARY: As our Production Team was creating the disturbance products for LF 2022, they had the sense they were missing disturbance event data from online sources. For this reason, our team took an extra step to locate and process missing event data. This effort resulted in the addition of 6.5 million acres of disturbance events, bringing the total event data to 28 million acres within the LF 2022 Update. **READ THE FULL STORY...**



LANDFIRE image detection team detected a disturbance, but lacked information on the disturbance type.



Following the data pull, we learned there was a thinning event and provided that updated information.

LANDFIRE
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