Wildland Fire Management RD&A
Integrating science, technology and fire management.

Burn Probability Modeling Now Available in IFTDSS!

Fact Sheet

Click Here to Learn More

http://iftdss.firenet.gov

Check out the Landscape Burn Probability Model in the Playground

The Landscape Burn Probability Model quantifies the likelihood and intensity of a fire occurring under a fixed set of weather and fuel moisture conditions. It is one of the key pieces to conducting an Exposure Analysis and a Quantitative Wildfire Risk Assessment. We invite you to get familiar with the Landscape Burn Probability Model for your Area while the IFTDSS Team continues to build the other pieces of the Exposure Analysis and Risk Assessment.

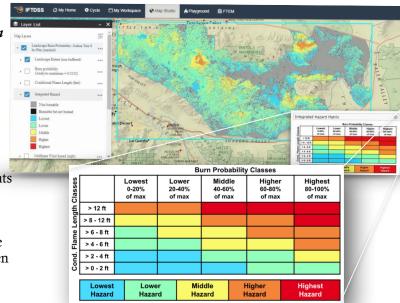*Keep your Landscapes small when first learning - max. size is 3.5 million acres*

Please Read the HELP content if you are new to the Model

How can you apply Landscape Burn Probability outputs to your work?

Landscape Burn Probability Outputs are key to Exposure Analysis and Risk Assessment, however they have value when used alone as well:

- Burn Probability represents the likelihood of a fire occurring. Its best used to understand how fuels treatments in one location can reduce fire potential in another.

- Conditional Flame Length is the intensity of a fire. It can be used to assist in choosing locations for treatments based on the desire to reduce the highest intensities.

- Integrated Hazard in the combination of Burn Probability and Conditional Flame Length. This single value can be used to determine treatment location when the objective is to reduce both likelihood and intensity.
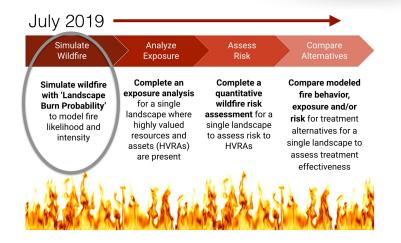

Burn Probability Classes

Cond. Flame Length Classes	Lowest 0-20% of max	Lower 20-40% of max	Middle 40-60% of max	Higher 60-80% of max	Highest 80-100% of max
> 12 ft					
> 8 - 12 ft					
> 6 - 8 ft					
> 4 - 6 ft					
> 2 - 4 ft					
> 0 - 2 ft					

Lowest Hazard	Lower Hazard	Middle Hazard	Higher Hazard	Highest Hazard

Risk Assessment: Four Phase Development Plan

Development of Quantitative Wildfire Risk Assessment (QWRA) in IFTDSS

The release of the Landscape Burn Probability Model is the first of 4 phases that are part of the upcoming QWRA tools in IFTDSS.

Click Here - Learn More!

July 2019

Simulate Wildfire	Analyze Exposure	Assess Risk	Compare Alternatives
Simulate wildfire with 'Landscape Burn Probability' to model fire likelihood and intensity	**Complete an exposure analysis** for a single landscape where highly valued resources and assets (HVRAs) are present	**Complete a quantitative wildfire risk assessment** for a single landscape to assess risk to HVRAs	**Compare modeled fire behavior, exposure and/or risk** for treatment alternatives for a single landscape to assess treatment effectiveness

We Need Your Feedback!

In order to build the best IFTDSS possible we need to hear from YOU! So far users have contributed significantly to improvements and enhancements. Let your Voice be Heard!

**Take the User Survey
https://goo.gl/forms/
eWTJYxP7txldUKay2**

For More Information

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