



# Pinnacle Mountain Incident Decision

Modeling  
Draft created  
11/11/16 11:24

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# 1. Modeling

## Analysis Description

NTFB The Near Term Fire Behavior (NTFB) fire behavior model produces outputs that represent modeled growth in the form of a 'fire progression'. NTFB models fire behavior using inputs for weather and wind that change over the duration of the simulation. Though NTFB can model fire growth for up to seven days, it is generally most appropriate for the 'near term' of one to three days (due to unknowns in the forecast beyond that time frame). The model retrieves forecasted weather and winds for the selected time, using National Weather Service (NWS) Forecast Data for current simulations. For historic fires, the model can use historic weather.

Near Term (IR\_per Sassafras MT WX FM163 3day spot.05 3 - Started on 11/11/16 11:00 ended on 11/14/16 00:00)

## Near Term Fire Behavior Analysis Information

NAME	VALUE
Analysis Name	IR_per Sassafras MT WX FM163 3day spot.05 3

## Burn Periods

Date	Start Hour	End Hour	Acres
11/11/2016	11	24	848.7
11/12/2016	11	24	1,275
11/13/2016	11	24	1,794.7

Time (CST)	User	Note
11/11/2016 11:04	Hale, Mark	accepting run to use Decision PDF option to send to SC Forest Protection Chief

Near Term Analysis 'IR\_per Sassafras MT WX FM163 3day spot.05 3'

# DRAFT

Near Term (IR\_per Sassafras MT WX FM163 3day spot.05 3 - Started on 11/11/16 11:00 ended on 11/14/16 00:00)

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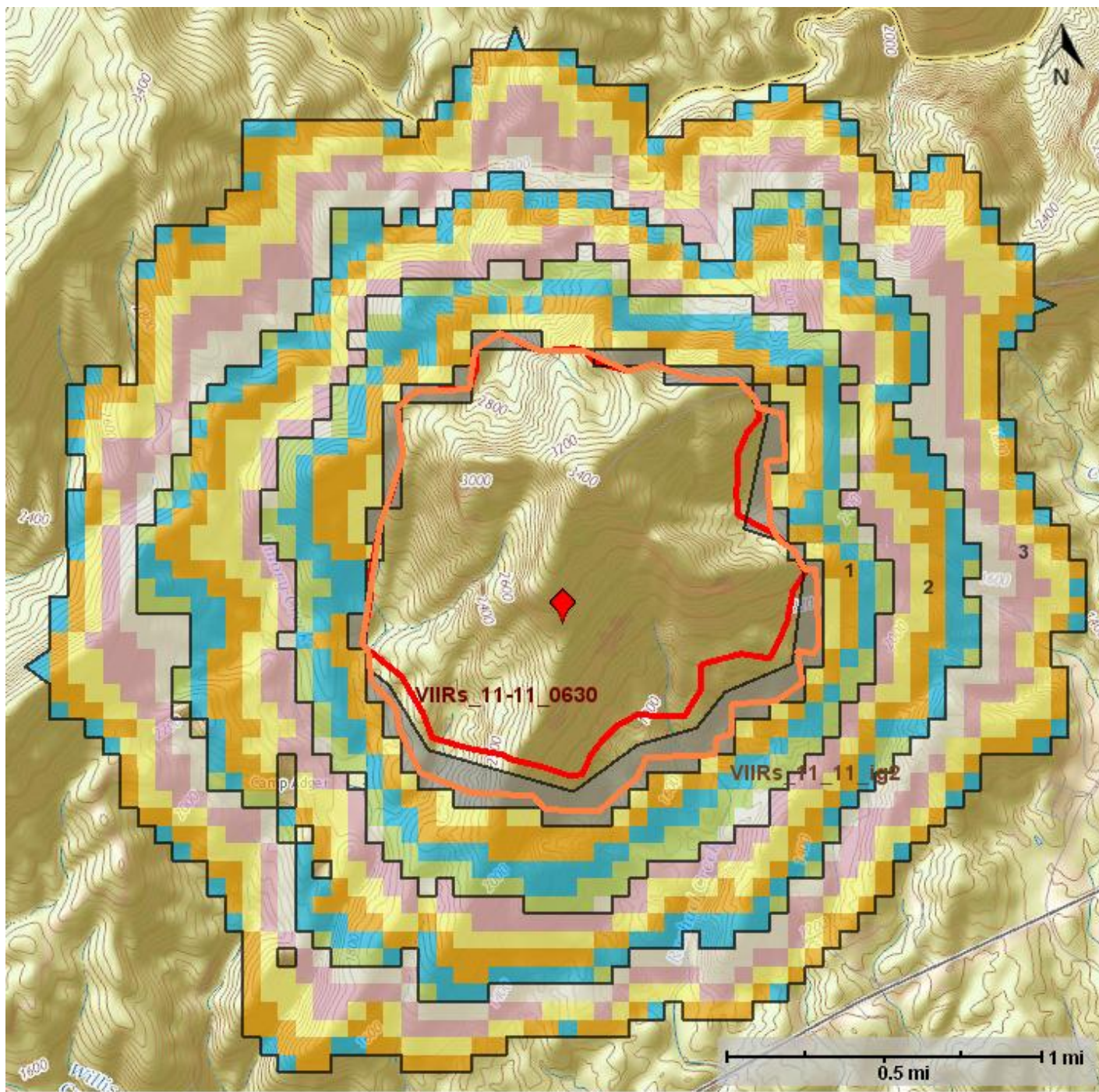
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— Fire Perimeters    — Burn Periods    — Ignitions    ◆ Point of Origin

## Analysis inputs and assumptions and information

The purpose of this NTFB analysis is to approximate fire behavior and spread over the next 3 days starting on November 11th with predicted weather and no suppression operations. Information derived from this analysis may be used to assist fire managers in making fire management decisions regarding the potential impact fire activity may have on identified values at risk. The fire perimeter and ignition locations for this analysis were approximated using available VIIRS heat detection information. The Sassafras Mountain RAWS was used for weather inputs.