Compare Weather Impacts on Fire Behavior

Available in IFTDSS Today!

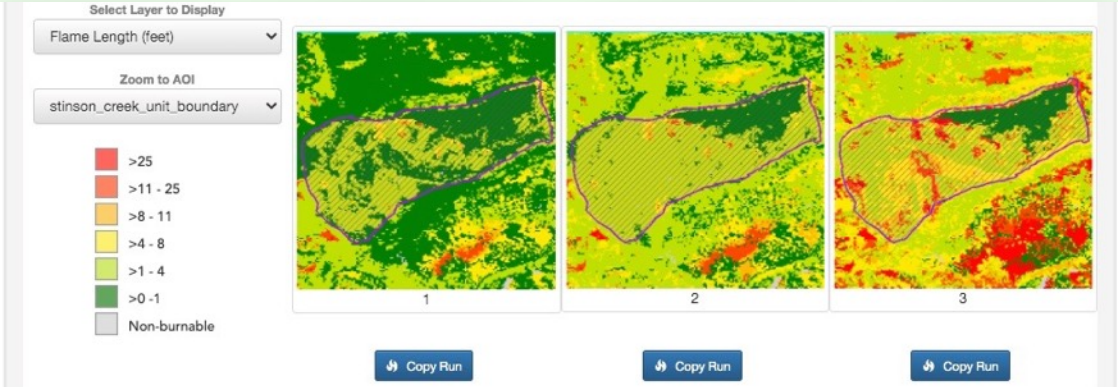
Interagency Fuel Treatment Decision Support System
https://iftdss.firenet.gov

Side-by-side comparison of fire behavior model outputs based on varying weather inputs. Available for all three fire behavior models found in IFTDSS (Landscape Fire Behavior, Landscape Burn Probability and MTT)

A NEW Way to Develop Prescriptions in a Burn Plan

A Streamlined Tool for Model Calibration

Use the Visuals to Enhance your Contingency Plan



Model Output	Stinson Creek Low FB RX Defaults	stinson creek RX low #2	Stinson Creek High FB #2
Model Type	Landscape Fire Behavior (Basic)		
Landscape	Stinson Creek All Edits		
LANDFIRE Version	LANDFIRE 2014		
Wind Type	Gridded Winds		
Wind Speed (mph)	5	7	15
Wind Direction (deg)	270		
Crown Fire Method	Scott/Reinhardt		
Foliar Moisture Content (%)	100		
1 hr Fuel Moisture (%)	12	10	3
10 hr Fuel Moisture (%)	15	13	5
100 hr Fuel Moisture (%)	20	18	8
Herbaceous Fuel Moisture (%)	40		
Woody Fuel Moisture (%)	80		
Fuel Moisture Conditioning	Off - initial fuel moisture used		
Conditioning Period	N/A		

Add Value to your NEPA Reports with Comparison Map Outputs

Click to Watch the Video!

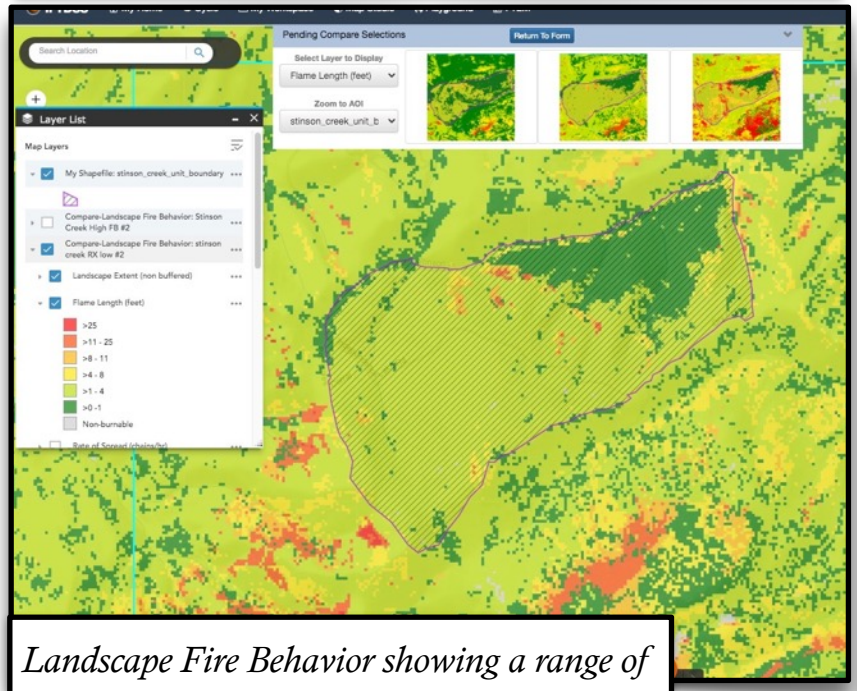
Comparison Reports Coming Soon!

IFTDSS Help Center

Click to Learn About Compare Weather

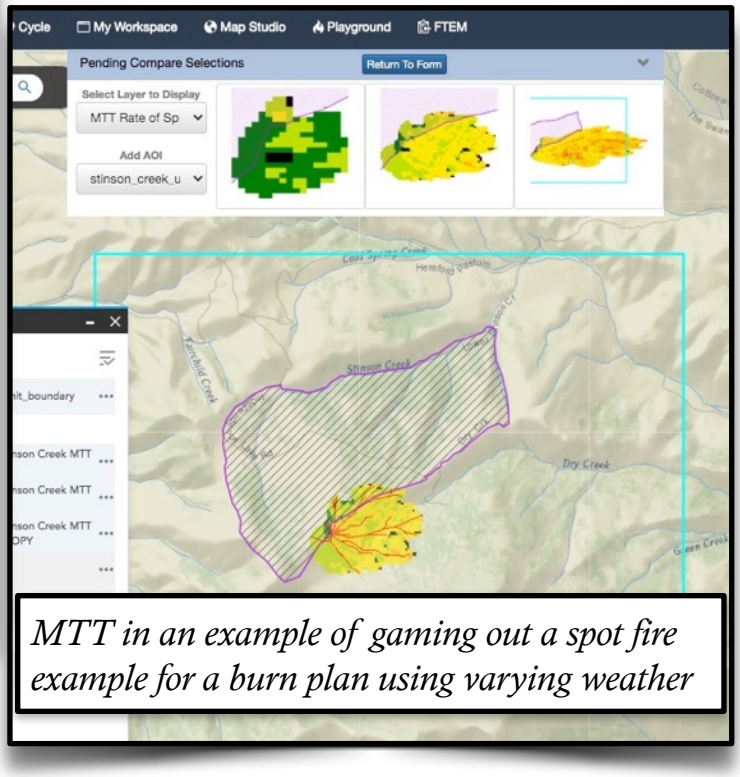
Compare Weather is a versatile tool to run the three fire behavior models and compare the results side-by-side. You can compare up to five variations by modifying any of the weather inputs. The results are displayed in the Map Studio.

Compare Landscape Fire Behavior (Basic)



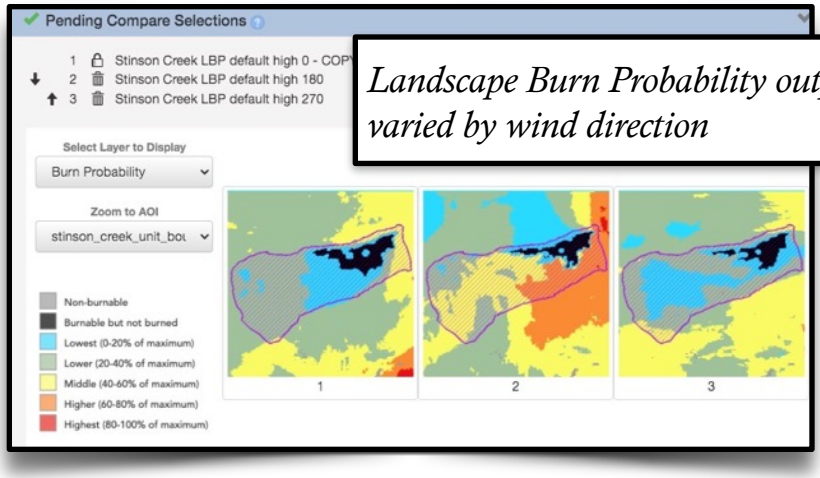
Landscape Fire Behavior showing a range of Flame Lengths based on varying weather

Compare MTT (Short Term)



MTT in an example of gaming out a spot fire example for a burn plan using varying weather

Compare Landscape Burn Probability



Landscape Burn Probability outputs varied by wind direction

Model Output	Stinson Creek LBP default high 0 - COPY	Stinson Creek LBP default high 180	Stinson Creek LBP default high 270
Model Type	Landscape Burn Probability		
Landscape	Stinson Creek All Edits		
LANDFIRE Version	LANDFIRE 2014		
	Gridded Winds		
d (mph)	20		
ion (deg)	0	0	180
Method	Scott/Reinhardt		
ture Content (%)	100		
oisture (%)	3		
10 hr Fuel Moisture (%)	5		
100 hr Fuel Moisture (%)	8		
Herbaceous Fuel Moisture (%)	40		
Woody Fuel Moisture (%)	80		
Fuel Moisture Conditioning	Off - initial fuel moisture used		
Conditioning Period	N/A		
Ignitions	Used ignition from previous run - Stinson Creek LBP default high 180	Used ignition from previous run - Stinson Creek LBP default high 270	Random
Burn Period Length (hr)	8		
Spotting Probability (%)	20		
Burn Probability (Analysis Max.)	0.1221	0.1126	0.1221
Burn Probability (Compare Max.)	0.1221		

For More Information

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