3 Day Near Term Fire Behavior
Middle Fire

Shasta-Trinity National Forest

1:7,494

0   0.15   0.3   0.45   0.6
                              Miles
1 inch = 0.12 miles

9/12/2019

☐ 09/11/2019 2126 Hrs. - 360 Acres

NTFB Daily Burn Period

Ignition

09/12/2019

09/13/2019

09/14/2019

09/15/2019

Daily Predicted Growth Acres

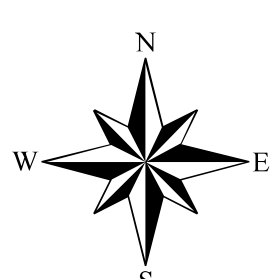| Date	Start Hour	End Hour	Acres
09/12/2019	14	18	47.3
09/13/2019	13	18	229.4
09/14/2019	12	18	378.8
09/15/2019	12	18	466.8

Daily burn acres represent the acres of increase for that day predicted by the Near Term Fire Behaviro model in WFDSS, not the totla fire size.As noted below, this growth assumes no suppression action.
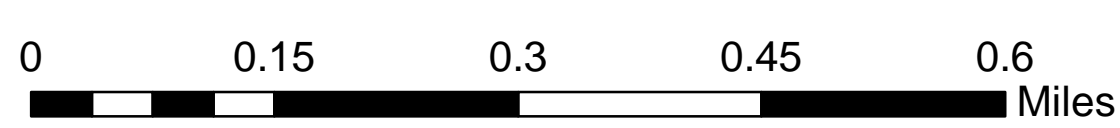
This is a near term fire behavior model for the Middle Fire, run for 4 days starting 09/12/2019. The model predicts greatest growth potential to east and south in timber and timber litter fuels. Ignition file based on heat collected from IR flight the evening of 09/11/2019. Fuel moistures calibrated using collections from fire site. Backbone RAWS was used as the weather station basis for model runs, with observations from fire calibrating past weather events for fuel conditioning. Fire growth in the model is over predicting spread compared to recent days. However, spread in the model aligns with what was observed early on in the fire under warmer, drier conditions than the past 2-3 days. These warmer and drier conditions are expected to return starting 09/12/2019 and last 3-4 days. Highest potential for spread is in timber litter and understory fuels when the source of spreading fire aligns these fuels with slope. Model does not capture growth via rollout accurately, so growth via rolling material may be observed but is not displayed in the model. Model assumes free burning fire with no suppression actions. Model run is valid under assumed fuels and weather conditions and should be updated if conditions change.