



# OVERVIEW

The Campbell Prediction System CPS is a quick and practical way to predict, verify and communicate when and where wildland fire behavior changes can occur. Common among burnover accidents is an unanticipated change in fire behavior. Those firefighters that act on accurate fire behavior predictions are safer and better firefighters. The focus of the CPS is to predict fire behavior changes and potential for dangerous fire intensities.

In firefighting situations, the observed fire behavior becomes the baseline for "Fire Signature" fire behavior predictions. These observations include the forces of wind, slope and pre-heat, and their relation to one another.

The change in the strength and alignment of wind, slope and pre-heat, cause variations of fire intensity. As long as the fire danger conditions are stable, the behavior that a fire exhibits will be repeated. Determining the conditions of past behavior and identifying similar conditions on the fire ground determines when and where the fire will repeat itself. Firefighters who recognize these predictive elements can implement proper fire behavior tactics. They can prevail more often when the forces are weak or out of alignment.

The Campbell Prediction System teaches firefighters how to use logic rather than intuition to make decisions on the fireline. It teaches a language to communicate the observed and predicted fire behavior. CPS teaches firefighters how to discuss a fire's potential, assuring a safe and effective fire fighting operation.

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