

# SS014 Fire Behaviour Forecast September 07

## Weather Synopsis

With the completion of the cold frontal passage by mid-morning the wind regime for the day is poised to be quite calm and variable. Though still higher than seasonal temperatures will stay below 20 today hitting a max of 18C, while the minimum RH is expected to be about 40%. Wind direction generally speaking will transition from northerly in the morning to southeasterly at night. Wind speeds will transition from 10G20 in the morning to 5G10 through most of the burning day, with afternoon and evening winds expected to be variable.

## Fire Behaviour General

Fire behaviour potential is significantly reduced today in the wake of the cold frontal passage. Minimal winds will mean fire in all fuel types will struggle to get into the crowns, though C-2 and C-4 still have the potential of 50% crown fraction burned.

**Safety concerns:** With the deep drought conditions that persist be very careful as you're working in recently burned areas as there is the potential for the development of deep ash pits in these conditions that are deeper than your boot height and can result in leg burns if accidentally stepped into.

## Fire Behaviour Specific

**Fort Prov Sep 06 indices (FFMC 88, DMC 52, DC 661) Sep 07 1300 Wx 15C, 55% RH, NE 5G10**

FFMC	DMC	DC	ISI	BUI	FWI
<b>88</b>	<b>53</b>	<b>665</b>	<b>4</b>	<b>89</b>	<b>16</b>

**Crown Sep 06 indices (FFMC 87, DMC 62, DC 664) Sep 06 1300 Wx 20C, 45% RH, NNW15G40**

FFMC	DMC	DC	ISI	BUI	FWI
<b>87</b>	<b>63</b>	<b>668</b>	<b>4</b>	<b>102</b>	<b>17</b>

**Fire Behaviour (Using Fort Prov indices)**

Fuel Type	Head Fire Intensity (kW/m)	Intensity Class	Fire Type	Rate of Spread (m/min)
<b>C-2</b>	<b>4800</b>	<b>5</b>	<b>Intermittent Crown</b>	<b>5</b>
<b>C-3</b>	<b>500</b>	<b>3</b>	<b>Surface</b>	<b>1</b>
<b>C-4</b>	<b>4200</b>	<b>5</b>	<b>Intermittent Crown</b>	<b>5</b>
<b>M-2 50</b>	<b>2800</b>	<b>4</b>	<b>Surface</b>	<b>4</b>

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