

FS014 Fire Behaviour Forecast Sept 07

Weather Synopsis

With the cold frontal passage complete things will be much calmer in the fire area today. Though temperatures are still expected to be several degrees higher than seasonal, things will be cooler today than they have been in recent days. The max temp is expected to hit 20C and the minimum RH is expected to hit 40%. Throughout the majority of the burning day winds will be ESE 10G20. These winds are expected to persist through the night, likely limiting RH recovery tonight to around 70%.

Fire Behaviour General

Fire behaviour potential is significantly lower today than yesterday. Though winds will remain gusty today which will contribute to fires still capable of reaching the crowns, though primarily through torching individual trees as opposed to sustained crown fire.

Safety concerns: With the winds remaining gusty there remains a risk that trees with burnt out root systems could suddenly fall as a result of a gust of wind. Ensure you carefully scan your work area for potential danger trees and either mitigate or avoid the risk from any danger trees identified.

Fire Behaviour Specific

Simpson Sep 06 indices (FFMC 88, DMC 110, DC 890) Sep 06 1300 Wx 16C, 55% RH, ESE 10G20

FFMC	DMC	DC	ISI	BUI	FWI
88	111	895	6	170	26

JeanMR Sep 06 indices (FFMC 89, DMC 59, DC 642) Sep 06 1300 Wx 16C, 55% RH, ESE 10G20

FFMC	DMC	DC	ISI	BUI	FWI
88	60	647	6	98	22

Fire Behaviour (Using Fort Simpson indices)

Fuel Type	Head Fire Intensity (kW/m)	Intensity Class	Fire Type	Rate of Spread (m/min)
C-2	11400	6	Intermittent Crown	8
C-3	2000	4	Surface	2
M-2 75	6300	5	Intermittent Crown	6

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