

FS014 Fire Behaviour Forecast Sept 11

Weather Synopsis

As the upper ridge continues to rebuild things are getting even hotter. Today's temp is expected to hit 26C, a full 10 degrees above seasonal temp. The minimum RH will hit 35% as smoke venting is expected to improve today. Winds today will be primarily out of the south, SSE 10G15 at 1300, becoming SLY 10G25-30 for much of the burning day, including peak burn, then calming back to SLY 10G15 by 2000.

Fire Behaviour General

Fire behaviour potential is definitely ramping back up with C-2 again capable of full crown involvement/running crown fires and other fuel types in the area are expected to behave aggressively as well.

Safety concerns: Areas of the fire that may have been dormant the last few days may become active again today. The current drought conditions allow the fire to dig deep in the duff and continue smouldering until fire weather conditions support growth again.

Fire Behaviour Specific

Simpson Sep 10 indices (FFMC 87, DMC 114, DC 909) Sep 11 1300 Wx 21C, 45% RH, SLY 10G25

FFMC	DMC	DC	ISI	BUI	FWI
88	116	915	7	176	30

JeanMR Sep 10 indices (FFMC 90, DMC 65, DC 662) Sep 11 1300 Wx 21C, 45% RH, SLY 10G25

FFMC	DMC	DC	ISI	BUI	FWI
90	67	668	9	107	31

Fire Behaviour (Using JMR indices)

Fuel Type	Head Fire Intensity (kW/m)	Intensity Class	Fire Type	Rate of Spread (m/min)
C-2	17000	6	Crown	13
C-3	4400	5	Surface	5
M-2 75	10400	6	Intermittent Crown	10

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