

SS014 Fire Behaviour Forecast September 04

Weather Synopsis

The cold frontal passage has completed moving through the fire area and even brought with it a little bit of precipitation. Today should be a much calmer day, winds will start the afternoon SSW5G10-15 but will transition to SE5G10 by 2200. Max temp is expected to be 17C while the min RH is expected to reach 45%.

The low-level inversion should erode before noon today, but another inversion aloft will mean venting will still be problematic today, keeping RH values elevated.

Fire Behaviour General

Fire behaviour potential today is much reduced compared to yesterday, the little bit of precip received was enough to slightly lower FFMC and that combined with much lower wind speeds has significantly reduced the ISI to the point that the most aggressive behaviour will likely be some torching in C-2 or C-4 stands. The moisture from yesterday though will dry quickly, so you can expect fire behaviour to gradually increase throughout the day.

Safety concerns: The ground may still be slightly slick from the precip received yesterday, ensure you step carefully as you're working to avoid any slips, trips or falls.

Fire Behaviour Specific

Fort Prov Sep 03 indices (FFMC 88, DMC 47, DC 646) Sep 04 1300 Wx 15C, 55% RH, SSW5G15

FFMC	DMC	DC	ISI	BUI	FWI
88	48	650	5	82	16

Crown Sep 03 indices (FFMC 84, DMC 61, DC 649) Sep 04 1300 Wx 15C, 55% RH, SSW5G15

FFMC	DMC	DC	ISI	BUI	FWI
85	62	653	3	101	14

Fire Behaviour (Using Fort Prov indices)

Fuel Type	Head Fire Intensity (kW/m)	Intensity Class	Fire Type	Rate of Spread (m/min)
C-2	4900	5	Intermittent Crown	5
C-3	500	3	Surface	1
C-4	4200	5	Intermittent Crown	5
M-2 50	1600	3	Surface	3

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