

# Liard Complex Fire Behaviour Forecast July 17

## Weather Synopsis

Hot weather is continuing today, though not as dry as yesterday largely due to some overnight precip. There is a continued chance for the development of afternoon or evening thundershowers, but it is unclear whether any of these will materialize over the fire area.

The max temp today will be 27C, the min RH 33%. Winds are difficult to predict with the US model predicting light northeasterly winds, the Canadian model predicts gustier southerly winds S10G20 for the afternoon and evening.

## Fire Behaviour General

Fire behaviour should be less extreme today, the indices below represent a modest 2mm of rain received in overnight showers/thundershowers. If more than that is received you can expect the fire behaviour potential to similarly drop. If only a small amount of rain is received though you can expect the fire to become active again in the afternoon as things quickly dry out.

**Safety concerns:** Pay close attention to the wind today as there is weather model disagreement as to what direction the wind will be blowing. This fire behaviour forecast uses the Canadian model which has higher windspeeds coming out of the S, but windspeeds may in fact be light and variable. If the fire doesn't receive any of the overnight precip forecast then you can expect fire behaviour to be much more aggressive, though it should still be less aggressive than yesterday given the higher RH.

## Fire Behaviour Specific

Liard Jul 16 indices (FFMC 89, DMC 88, DC 620) Jul 17 1300 Wx 25C, 42% RH, S 10G20 km/h

FFMC	DMC	DC	ISI	BUI	FWI
84	81	628	4	122	17

Trout Jul 16 indices (FFMC 88, DMC 53, DC 468) Jul 17 1300 Wx 25C, 42% RH, S 10G20 km/h

FFMC	DMC	DC	ISI	BUI	FWI
91	54	468	8	84	24

### Fire Behaviour (Using Fort Liard indices)

Fuel Type	Head Fire Intensity (kW/m)	Intensity Class	Fire Type	Rate of Spread (m/min)
C-2	4400	5	Intermittent Crown	4
M-2 75	3300	4	Surface	3

Fire Behaviour Analyst Matthew Coyle