

Page 1 redacted for the following reason:

-----

s.15

JNDER PARAGRAPH A

Pages 1 through 5 redacted for the following reasons:

-----

Not Responsive

s.15

s.15, s.22



# Fire Weather System

2013/08/19 for MCCUDDY

[Guide to abbreviations](#)

[View Ancillary Data](#)

Wx Zone	Station	Status	Temp.	RH	Wind Dir.	Wind Sp.	Precip.	Grass Cure	FFMC	DMC	DC	ISI	BUI	FWI	Dgr. Cl.
21	MCCUDDY	act	24.0	25	291	8	0.0	0	92.5	96	640	9.2	140	34.2	4

Total of 1 records.

[Done](#)

Page 7 redacted for the following reason:

-----

s.15, s.22

## Fire Weather Index System

The Canadian Forest Fire Danger Rating System (CFFDRS) system provides a uniform, numeric method of rating fire danger throughout an area; it is dependent on weather only and does not consider differences in risk, fuel, or topography. Its six components are:

### **FFMC** - Fine Fuel Moisture Code

A numerical rating of the moisture content of litter and other cured fine fuels. This code is an indicator of the relative ease of ignition and flammability of fine fuel.

### **DMC** - Duff Moisture Code

A numerical rating of the average moisture content of loosely compacted organic layers of moderate depth. This code gives an indication of fuel consumption in moderate duff layers and medium-size woody material.

### **DC** - Drought Code

A numerical rating of the average moisture content of deep, compact, organic layers. This code is a useful indicator of seasonal drought effects on forest fuels, and amount of smouldering in deep duff layers and large logs.

### **ISI** - Initial Spread Index

A numerical rating of the expected rate of fire spread. It combines the effects of wind and FFMC on rate of spread without the influence of variable quantities of fuel.

### **BUI** - Build Up Index

A numerical rating of the total amount of fuel available for combustion that combines DMC and DC.

### **FWI** - Fire Weather Index

A numerical rating of fire intensity that combines ISI and BUI. It is suitable as a general index of fire danger throughout forested and rural areas.

Pages 9 through 15 redacted for the following reasons:

-----

s.15

s.15, s.22

**Valid as of 9:30 AM Monday, August 19, 2013**

**SYNOPSIS:** A strong westerly flow aloft today will give mainly sunny skies and near seasonal temperatures, although the North Thompson may see an afternoon or evening thunderstorm. Strong winds aloft will mix down this afternoon in the daytime heating and will diminish this evening. Tomorrow will continue dry in the westerly flow, although the winds will not be as strong. On Wednesday a weak upper ridge will begin to build over the region and will have moved eastward by Wednesday night, leaving the region in a dry southwesterly flow on Thursday. Friday will see an upper trough from the eastern Pacific along the coast. The forecast region will still be in a dry westerly flow, but the weekend may be more unsettled.

**TODAY:**

Subsident Zone and Monashees: A mix of sun and cloud. Slight chance of an afternoon shower or thunderstorm in the South Thompson and Shuswap. Winds becoming southwest 30 gusting 50 km/h this afternoon and south 40 gusting 80 km/h in the Fraser Canyon. High temperatures 24 to 28 and RH values falling to 20 to 35 percent.

North Thompson: A mix of sun and cloud. A 30 percent chance of afternoon showers and a chance of a thunderstorm. Winds southwest 20 to 30 km/h. Winds erratic and gusting up to 70 km/h near thunderstorms. High temperatures 20 to 24 and RH values falling to 25 to 40 percent.

**TONIGHT:**

Subsident Zone and Monashees: Cloudy periods. Slight chance of an evening shower or thunderstorm in the South Thompson and Shuswap. Winds diminishing to light and variable by evening. Low temperatures 10 to 14 and RH recoveries to 50 to 65 percent.

North Thompson: Cloudy periods. A 30 percent chance of an evening shower or thunderstorm. Winds diminishing to light and variable by evening. Winds erratic and gusting up to 70 km/h near thunderstorms. Low temperatures 6 to 12 and RH recoveries to 60 to 75 percent.

**TOMORROW:**

Subsident Zone, North Thompson and Monashees: Mainly sunny. Wind southwest 20 to 30 km/h. High temperatures 24 to 28 and RH values falling to 20 to 35 percent.

**3 TO 5 DAY OUTLOOK:** Wednesday, Thursday and Friday will all be sunny, with a chance of a shower late Thursday in the North Thompson. Winds will be west to southwest 20 km/h and temperatures will be in the mid twenties low thirties.

**6 TO 10 DAY OUTLOOK:** Troughing through day 8, becoming alternating troughs and ridges through day 10. Conditions will be somewhat unsettled.

**VENTING:** Poor this morning below 600 metres, otherwise good. Inversion breakdown temperature 19 and plume drift northeast 20 to 30 km/h.

**4 DAY VENTING OUTLK:** Poor mid-evening until mid-morning, otherwise good.

**WINDS ALOFT:** Afternoon winds west 40 km/h at all levels.

**CONFIDENCE:** Good. Surface winds are the primary concern today and may be stronger than forecast. Convective development in the South Thompson and Shuswap is not expected south of Highway 1.

Qualifier	Strike Density	Probability of	Probability of
-----------	----------------	----------------	----------------



	<b>Per 100KM x 100KM</b>	<b>Lightning</b>	<b>Intense Lightning</b>
Isolated (ISOL)	1 - 5	< 40	Near 0
Scattered (SCT)	6 - 15	40 - 80	0 - 40
Frequent (FREQ)	15 - 30	60 - 100	40 - 80
Severe (SEV)	> 30	100	100
<i>Only the qualifier will be used in the forecast. Each describes the conditions listed to the right of it in the table</i>			

Pages 18 through 38 redacted for the following reasons:

-----

Not Responsive

s.15

s.15, s.22