

CARIBOO FIRE CENTRE WEATHER FORECAST

ISSUED: 1030 am Tuesday, June 28, 2022

VALID: Through Thursday, July 7, 2022

SYNOPSIS: An upper low just SW of Vancouver Island this morning will move NE to lie over the south coast ranges late this afternoon. This will cause further destabilization of the atmosphere over the fire centre this afternoon. Isolated thunderstorms this morning will become scattered to widespread over the North Chilcotin, Western Quesnel, and northern portions of the Central Cariboo Zone (Williams Lake). Isolated thunderstorms are expected elsewhere. Some of the lightning strikes over the south Chilcotin may be dry. The tendency will be towards wet lightning with storms further north. Some of the storms may produce local downpours with 5 to 15 mm of rain with small hail as well as wind gusts of 50-70 km/h. Much cooler today with highs in the upper teens to low 20s. Winds E-SE 10-15 G25 km/h in the morning shifting to SW 15-25 G 35-45km/h in the afternoon. The upper low is expected to track eastward tonight remaining just south of the fire centre. Scattered shower and thundershower activity over the north and east expected this evening. Moisture rapping around the low should result in showers over much of the fire centre in the overnight period. Lows tonight 8 to 12 C . Generally good RH recoveries are expected with patchy areas of fair RH recoveries of 50-70% in areas that do not receive rain. Winds will be SW 10-20 G 35 km/h in the evening becoming W to NW 5-15 G 25 km/h overnight. Showers Wednesday morning will gradually become isolated by Wednesday afternoon as the upper low will weaken and drifts east into southern Alberta. An upper ridge building to the NW of the fire centre will bring a drying and clearing trend to the NW sections of the fire centre by mid to late afternoon. There will be a risk of a thundershower over the Western Quesnel and north Chilcotin late in the afternoon. Highs Wednesday mid to upper teens except low 20's over the Quesnel zone. Minimum RHs of 25-40 in areas that do not receive any prior rain. Winds Wednesday NW 8-15 with afternoon gust to 30 km/h.

3 TO 5-DAY OUTLOOK...THURSDAY TO SATURDAY... The ridge will bring a summer-like pattern to the fire centre through the period with highs rebounding back up into the mid to upper 20s and RHs dropping back into the 20 to 35 % range by Friday. Generally dry although there may be a risk of thunderstorms over the Chilcotin on Friday afternoon and across central portions of the fire centre on Saturday. Winds for the most part will be light with some afternoon gustiness due to daytime heating and convection.

CONFIDENCE: Confidence in the location and intensity of the shower and thunderstorm activity for this afternoon and overnight is fair as low-level moisture will be limited. If shower and thunderstorm activity ends up being scattered or isolated expect lower RHs on subsequent days.

WINDS ALOFT: Puntzi Mountain

2000 m W 40. 3000m SW 30.

6 TO 10 DAY SUNDAY TO THURSDAY of next week: Looks like a fairly stagnant pattern as an upper ridge or upper high is forecast to lie just east or northeast of the fire centre through the period. At the same time a large broad upper trough sets up over the eastern Pacific. This will result in a south to southeast upper flow over the fire centre which will likely bring the threat of afternoon convection to the fire centre each day. Temperatures will likely be slightly above seasonal with highs in the mid- 20s.

WEST OF FRASER

TODAY: Mainly sunny this morning with isolated thunderstorms over the far south. Scattered thunderstorms developing near and north of Highway 20 by early afternoon becoming widespread as they drift north through the afternoon. Local downpours giving 5 -15 mm and small hail. Risk of dry lightning over the south. Winds gusty and variable up to 35 km/h this morning becoming SW 15-25 G 35-45 km/h in the afternoon. Brief and local gusts of 50 to 70 km/h near convection this afternoon. MAX TEMP: 16 to 21 C. MIN RH: 20-35% south with much higher values north.

TONIGHT: Scattered thundershowers over northern areas in the evening. Scattered showers overnight. Winds SW 10-20 G 40 km/h this evening becoming W-NW 5-15 G 25 km/h overnight. MIN TEMP: 7 to 11C. MAX RH: 80-100% with patchy fair recoveries of 45-65 %.

WEDNESDAY: Scattered morning showers. Variable cloudiness in the afternoon. Risk of a late afternoon thundershower over the north. Winds W-NW 10- 15 G 30 km/h in the afternoon. MAX TEMP: 15 south to 21 north. MIN RH: 40-55%.

FORECAST LIGHTNING/DRY LIGHTNING

Today: Widespread/Risk

Tonight: Scattered/Nil

Tomorrow: Isolated/Nil

Venting: Good during the afternoons due to gusty winds.

EAST OF FRASER

TODAY: Variable cloud with isolated showers or thundershowers over the east. Scattered thunderstorms beginning early in the afternoon near the Fraser with local downpours giving 5-15 mm and small hail. Winds NE-SE 10-20 G 30 km/h shifting to S-SW 15-25 G 40 by mid to late afternoon. Brief local gusts of 50 to 70 km/h near convection this afternoon. MAX TEMP: 18 to 24 C. MIN RH: 15-25% southern 100 Mile zone with much higher values further north.

TONIGHT: Scattered thundershowers over northern and eastern areas in the evening becoming scattered showers overnight. Winds SW 10-20 G 30 km/h this evening with higher gusts near convection. Winds becoming NW 5-15 G 25 km/h overnight. MIN TEMP: 8 to 12C. MAX RH: 80-100% with patchy fair recoveries of 45-65 % over the 100 Mile zone.

WEDNESDAY: Cloudy with showers in the morning becoming partly cloudy with isolated showers in the afternoon. Winds NW 10-15 gusting to 30 km/h in the afternoon. MAX TEMP: 14 south to 22 north. MIN RH: 35-50%.

FORECAST LIGHTNING/DRY LIGHTNING

Today: Scattered/Risk

Tonight: Scattered/Nil

Tomorrow: Nil/Nil

Venting: Good during the afternoons due to gusty winds.

Lightning Forecast Definitions

Description	Spatial Coverage
Nil	No lightning
Risk	Less than 20%
Isolated	20-40%
Scattered	40-60%
Widespread	Greater than 60%