

CARIBOO FIRE CENTRE WEATHER FORECAST

ISSUED: 1145 am Friday October 28, 2022

SYNOPSIS The fire centre lies in between systems today. Skies will be sunny followed by increasing afternoon cloudiness over the Chilcotin as an upper trough approaches the coast. Winds will increase to moderate and gusty SE-SW this afternoon. Highs will be in the upper single digits to near 10C; minimum RHs in the 30s and 40s, possibly upper 20s over S Fraser and 100 Mile.

Tonight, the upper trough will pass through producing a few showers or wet flurries over the northern Chilcotin and east of the Fraser, mainly north of Williams Lake. Moderate and gusty S-SW winds will continue this evening and then ease to light overnight. With cloud cover and a little wind persisting overnight, lows will remain above freezing. RH recoveries locally fair in the south Chilcotin and 100 Mile.

After the upper trough moves through Saturday morning, it'll be mostly dry and breezy under mainly cloudy skies. A few morning showers persisting in the northeast wet belt. Winds will be light to moderate and gusty SE to SW. Mild with valley bottom temps topping out at 9 to 13C; minimum RH's mostly in the 40s and 50s.

3 TO 5 DAY OUTLOOK...Sunday to Tuesday: Strong westerly flow aloft will send a cold front across the fire centre on Sunday. In the wake of the cold front, a cooler airmass moves in for Monday and Tuesday.

On Sunday the cold front will move south of the fire centre by afternoon. Moderate SE-SW winds will veer to W-SW. Strong upper flow will lead to subsidence off the Coast Range and upslope enhancement over the Cariboo Mtns. Precip falls mostly over the northeast wet belt. The airmass will be mild with valley bottoms highs in the low teens; min RHs in the 30s and 40s for the Chilcotin and near the Fraser.

In the wake of the cold front Monday, a cooler airmass will descend across the region as the parent upper trough from the northern Gulf of Alaska approaches. Light northwest winds with temperatures dropping below seasonal. Latest models are showing a band of precipitation affecting all zones. And with freezing levels lowering it will likely fall as snow even in valley bottoms.

On Tuesday, the Gulf of Alaska trough settles in over the interior. At the surface, light north-northeast winds will allow modified arctic air to seep into the fire centre. There's still a chance of flurries. Further cooling with highs struggling to reach a few degrees above zero.

CONFIDENCE: Good confidence in the active, breezy pattern continuing through Sunday followed by a pattern change on Monday. With plenty of windy and some instability, afternoon venting will be good through Sunday. Early next week, the airmass will be unstable but winds light, so venting looks fair.

WINDS ALOFT: Puntzi Mountain

1000 m SW 25 km/h, 2000 m SW 50 km/h. 3000m SW 90 km/h.

6 TO 10 DAY Wednesday Nov 2 to Sunday Nov 6: Good confidence that modified Arctic air will persist through Wednesday. Thereafter confidence is fair. Models show a switch to westerly flow with a Pacific system coming through on Thursday and Friday. But the timing and track is uncertain. Looks like some precip and increasing winds. Depending on the track it could be a snow-maker. After Friday the trend is for the storm track to slump south and a cooler airmass to re-establish itself.

WEST OF FRASER

TODAY: Sunny with increasing afternoon cloudiness. Winds increasing to S-SW 30 km/h gust 50-60 this afternoon. MAX TEMP: 6-11C. MIN RH 28 to 42 %.

TONIGHT: Mainly cloudy. Scattered showers or wet flurries this evening northern sections. Winds S-SW 25 km/h gust 50 easing to SW 10-15 km/h late this evening. MIN TEMP: 0 to plus 3C. MAX RH: 80 to 100% except 45 to 60 southern sections where light winds continue.

SATURDAY: Mainly cloudy. Chance of showers evening showers over northern sections. Winds SW 10-15 km/h increasing to S-SW 20-30 km/h gust 40-50 in the afternoon. MAX TEMP: 8-13C. MIN RH 35 to 50 %.

FORECAST LIGHTNING/DRY LIGHTNING

TODAY: Nil/Nil

TONIGHT: Nil/Nil

SATURDAY: Nil/Nil

Venting: Good today and Saturday.

EAST OF FRASER

TODAY: Sunny. Increasing high cloudiness late this afternoon. Winds increasing to S-SE 20-30 km/h gust 40-50 early this afternoon. MAX TEMP: 7 to 10C. MIN RH 30 to 45%.

TONIGHT: Becoming cloudy. A few showers developing late this evening north and east of Williams Lake. Winds S-SE 20-30 km/h gust 40-50 easing to S-SW 5 to 15 km/h late this evening. MIN TEMP: plus 1 to 4C. MAX RH: 80-100% with local 40-50% 100 Mile.

SATURDAY: Mainly cloudy. Scattered morning showers or wet flurries north and east of Williams Lake. Winds light becoming SE 20-25 km/h gust 40-50 near mid-day. MAX TEMP: 7 to 12C. MIN RH 35 to 50% except much higher RH's in the northeast

FORECAST LIGHTNING/DRY LIGHTNING

TODAY: Nil/Nil

TONIGHT: Nil/Nil

SATURDAY: Nil/Nil

Venting: Good today and Saturday

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