

CARIBOO FIRE CENTRE WEATHER FORECAST

ISSUED: 1030 am Wednesday, August 31, 2022

VALID: Through Friday, September 9, 2022

SYNOPSIS: The upper ridge will continue to be the main influence on today's conditions however an upper trough crossing northern BC will weaken the ridge a bit turning the airmass weakly unstable. This combined with a weak sub-tropical feed of moisture from the southwest should lead to isolated convection, with some dry lightning strikes possible, over the eastern portions of the fire centre. The most likely area for lightning will be over the 100 Mile zone from mid-afternoon until early evening. Otherwise, expect another mainly sunny hot day over the fire centre with highs in the upper 20s with a few sites likely reaching the low 30s. Minimum RHs in the 15 to 25% range over the south and over much of the Chilcotin. Partly cloudy skies are expected this evening with a lingering shower or thundershower possible over the east followed by clearing overnight. RH recoveries will be good with some patchy fair recoveries of 50 to 70 % over the Chilcotin and 100-Mile zones. On Thursday the ridge is forecast to re-strengthen over the fire centre bringing mainly sunny hot dry conditions to all zones. High temperatures in the upper 20s to low 30s and minimum RHs in the 15 to 30% range. Winds will be light from the SE to SW with some afternoon gusts to 30 km/h over the Chilcotin.

3 TO 5-DAY OUTLOOK...FRIDAY TO SUNDAY... On Friday the ridge axis will begin to drift east into Alberta but should still provide another day of mainly sunny very warm dry conditions. A weak upper trough approaching the coast will likely bring increasing cloud over the west by late Friday afternoon and an isolated shower or thundershower over the wet belt late Friday night into Saturday morning as the trough moves rapidly eastward across the fire centre. The ridge re-establishes itself by Saturday afternoon bringing a return to mainly sunny skies and warm dry conditions which should last through the weekend, although an approaching upper trough will likely bring increasing cloud and cooler conditions to the west by Sunday afternoon. Moderate and gusty S-SW winds will likely develop over the west on Sunday.

CONFIDENCE: Generally good. The ridge will be the dominant weather feature through Saturday with high temperatures remaining some 5 to 8 degrees above seasonal averages. Fair confidence for the chance of convection this afternoon as the subtropical moisture feed approaching from the west may just brush by the 100 Mile zone with the associated lightning remaining over the Kamloops and SE fire centres. Fair confidence with regard to the timing of the upper trough approaching the fire centre late Friday into Saturday morning. Recent model trends suggest a weak system which may end up passing by as a dry feature.

WINDS ALOFT: Puntzi Mountain

2000 m SW 10. 3000m SW 30.

6 TO 10 DAY MONDAY TO FRIDAY of next week: A fairly big shift in the long-range models as the Canadian global model now brings a major upper trough into the province early in the week and then morphs it into an upper low which drops slowly southward into the northwestern US by Friday. The European ECWMF model and the American GFS model favour an upper trough which moves across the province mid-week. All these scenarios ensure a fairly confident forecast in cooler and somewhat wetter conditions although it's still too early to tell where any significant precipitation may fall.

WEST OF FRASER

TODAY: Sunny with a few afternoon clouds. Winds W-SW 10-20 G 35 km/h. MAX TEMP: 26 to 31C. MIN RH: 15-25%.

TONIGHT: Mainly Clear. Winds light SW. MIN TEMP: 6 to 9 C. MAX RH: 80-95% with patchy fair recoveries of 50-65%.

THURSDAY: Sunny with a few afternoon clouds. Winds W-SW 8-15 G 25 km/h. MAX TEMP: 26 to 31C. MIN RH: 17-27%.

FORECAST LIGHTNING/DRY LIGHTNING

Today: nil / nil Tonight: nil / nil Tomorrow: nil / nil

Venting: Good during the afternoons.

EAST OF FRASER

TODAY: Sunny with afternoon cloudy periods. Risk of an afternoon thunderstorm with dry lightning mainly over the 100 Mile zone. Winds SW-SE 8 to 15 G 25 km/h. Brief local gusts of 40 to 60 km/h near convective cells. MAX TEMP: 27 to 32C. MIN RH: 15-25% over the south.

TONIGHT: Partly cloudy with the chance of an evening shower or thundershower. Clearing to a few clouds overnight. Winds light. MIN TEMP: 9 to 13c. MAX RH: 80 to 100% with patchy fair recoveries of 50-65%.

THURSDAY: Sunny with a few afternoon clouds. Winds light and variable. MAX TEMP: 27 to 32C. MIN RH: 15-25% over the south.

FORECAST LIGHTNING/DRY LIGHTNING

Today: Isolated/Risk Tonight: nil / nil Tomorrow: nil / nil

Venting: Good during the afternoon.

Lightning Descriptor Reference Table:

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

Forecaster: Gregory Pearce (604-583-4616)

BCWS.CaFCFireWeather@gov.bc.ca

gregpearce@firewx.club