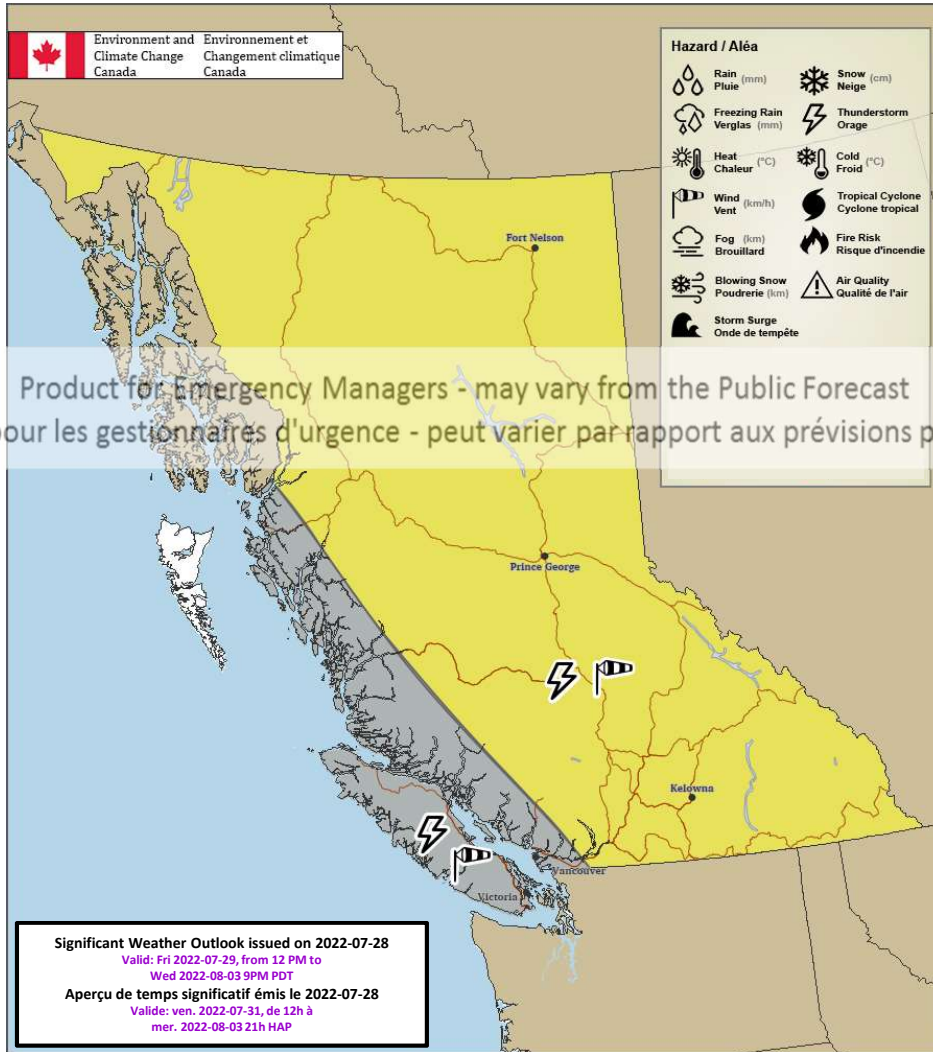




Pattern Shift: Increasing Thunderstorm Potential

Event Duration: Fri Jul 29 to Wed Aug 3, 2022



		Risk			
Likelihood	High	Grey	Yellow	Orange	Red
	Moderate	Grey	Yellow	Orange	Orange
	Low	White	Grey with checkmark	Yellow with checkmark	Orange
	Very Low	White	White	Grey	Yellow
		Impact (Known Vulnerability & Exposure)			

Impacts

- Thunderstorms can bring sudden changes in the weather including downpours, hail, gusty winds, and lightning.
- The risk of lightning may increase the potential of new wildfire activity and gusty winds from thunderstorms may further enhance the spread of wildfires.



Certainty

Weather Pattern: MODERATE. Several weather models are in agreement with the current ridge of high pressure breaking down bringing a gradual end to the heat. Several weak disturbances will begin to move through the province beginning Friday (Jul 31) bringing back the risk of thunderstorms. A more potent upper trough is anticipated to develop Monday (Aug 1) or Tuesday (Aug 2) but the exact timing and intensity remains uncertain.

Precipitation Amounts: LOW. The forecast precipitation amounts will likely be convectively driven and highly variable leading up to the event.

Key Points

- **Northern B.C.** - A period of showers with embedded thunderstorms are expected to begin starting Friday (Jul 29) and into the weekend. Localized downpours may be possible over northeastern B.C.
- **Central & Southern B.C.** - Although not widespread, there is increasing potential for isolated thunderstorms to pop up over the interior starting Friday (Jul 29) and into the weekend.
- **Coastal communities** - Possible delay in precipitation/thunderstorms until early next week.
- **More widespread showers and thunderstorms are likely to develop province-wide as early as Monday (Aug 1) or Tuesday (Aug 2) when a more potent upper trough develops.**
- The unsettled weather pattern associated with the upper trough is anticipated to linger into the end of the next work week.
- As the mid and lower level atmosphere remain hot and dry after the heat wave, precipitation anticipated to fall in the early period of the event may evaporate before reaching the ground leaving little relief to current wildfire conditions.
- Drier surfaces on sun-facing slopes over southern interior B.C. may see an increased risk for wild fire starts from lightning activity.
- Gusty winds from thunderstorm activity may become unpredictable and enhance the spread of wildfires.
- Cooler temperatures are expected to return by Monday for many regions currently under a Heat Warning.
- **Due to the high variability of summer convective weather, monitoring of weather forecasts and alerts will be critical leading up to the event to maintain situational awareness.**

Next Update/WebEx

- Please continue to monitor alerts and updates issued by ECCC and partners for the latest information.

Long Range Forecast – For British Columbia

Subsequent weather notifications will be issued as needed

Thu Aug 4	Fri Aug 5	Sat Aug 6
Showers or thunderstorms	Showers or thunderstorms	Showers or thunderstorms



Additional Information

- **Please monitor current weather forecasts and alerts:**

Local Forecasts: http://weather.gc.ca/canada_e.html

Weather Alerts: http://weather.gc.ca/warnings/index_e.html

WeatherCAN App: <https://www.canada.ca/en/environment-climate-change/services/weather-general-tools-resources/weathercan.html>

- **Please consult the following websites for further information:**

B.C. Wildfire Service: <https://www2.gov.bc.ca/gov/content/safety/wildfire-status>

RFC Warning page: <http://bcrcfc.env.gov.bc.ca/warnings/index.htm>

RFC Current Streamflow conditions: http://bcrcfc.env.gov.bc.ca/freshet/map_all_wsc.html

Daily Weather Blog: <https://avalanche.ca/weather/forecast>

Daily Thunderstorm Outlook available in the “Day 1” tab.