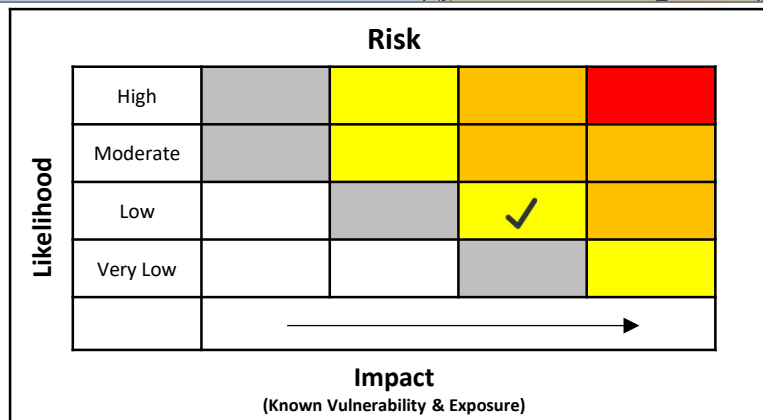
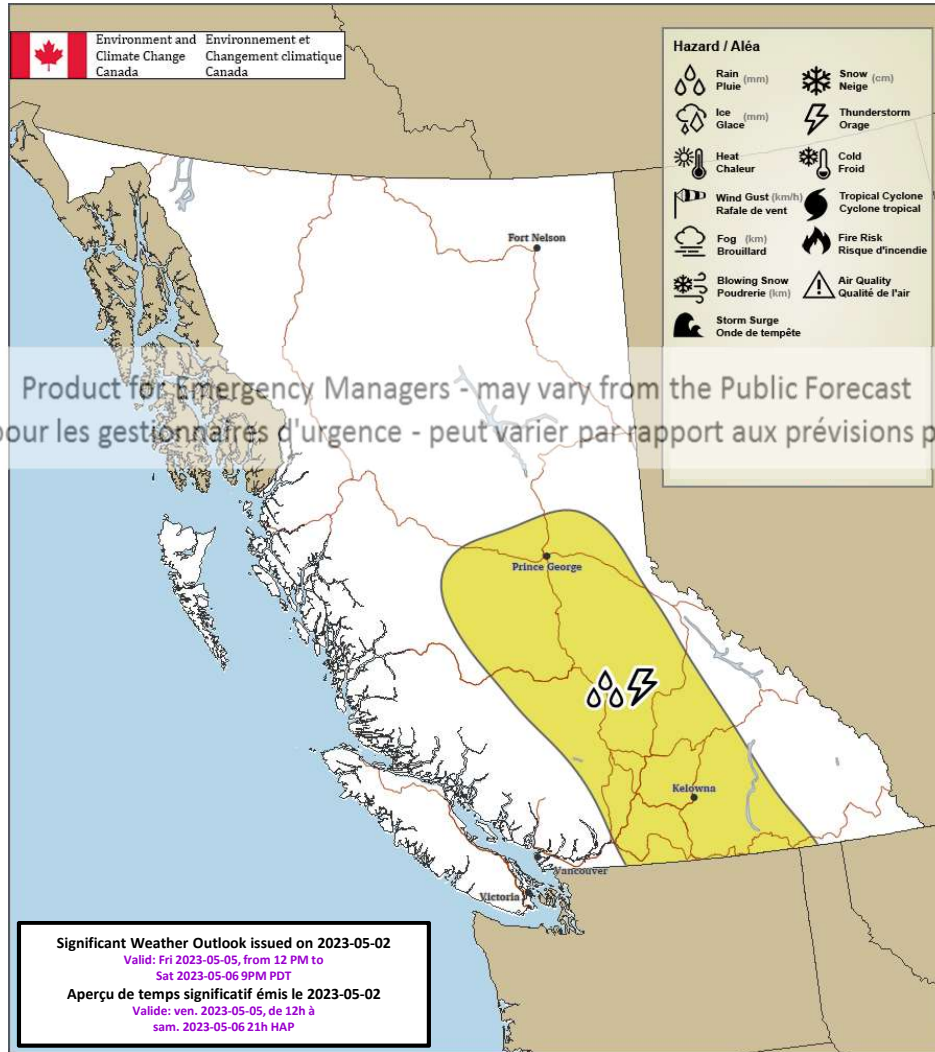




Potential for Moderate to Heavy Precipitation over Interior B.C.

Event Duration: Friday May 5, 2023 to Saturday May 6, 2023



Impacts

- Rises in river and stream levels in response to widespread and possibly heavy precipitation on the already rapidly melting snowpack.
- Sudden downpours from thunderstorms may result in increased chances of flash flooding, landslides and damaging debris flows.



Certainty

Weather Pattern: LOW-MODERATE. A potent upper level disturbance is expected to move into interior B.C. bringing the risk of widespread & heavier precipitation beginning Friday May 5, 2023 afternoon, further accelerating Freshet conditions. While the intensity of this disturbance still remains variable between weather model solutions, there is good agreement regarding the return of a much wetter pattern.

Precipitation Amounts: LOW. Moderate precipitation is currently in forecast from Northern B.C. down into Southern B.C. with the heaviest precipitation likely near the Canadian-USA border. There is poor agreement amongst models in the location and the heaviest precipitation amounts but the probability of seeing heavy precipitation over a section of the Interior remains significant.

Key Points

Forecast: Precipitation Accumulations from Fri. May 5 to Sat. May 6, 2023

- **Central Interior (Prince George, Cariboos to 100 Mile):**
5-20mm, locally up to 40mm near the Cariboo Mountains
Duration: Likely Friday afternoon to early Saturday morning
- **Southern Interior (Thompson-Nicola, Shuswap, Similkameen, Okanagan, Kootenay-Boundary):**
10-30mm, locally up to 45mm in areas near Boundary, West Kootenay
Duration: Likely beginning Friday afternoon, intensifying overnight to Saturday evening (possibly lasting for an even longer duration in Kootenay-Boundary)

Embedded thunderstorms are expected throughout the event and can lead to *even heavier precipitation, sudden heavy downpours and flash flooding on top of the volatile Freshet conditions.*

- The estimated spatial extent, intensity and timing of precipitation will vary leading up to the event.
- The envelope of the precipitation will continue to shift leading up to the event and adjacent regions may receive higher/lower than currently forecast amounts.
- Freezing levels are forecast to continue hovering around 3000-3500 metres for the beginning of the event, bringing rain on snow in the mid-high elevations for the Southern Interior. Freezing levels will likely lower to below 2000 metres by Saturday, bringing back slightly cooler temperatures/snow in the highest elevations.

Due to the high variability and uncertainty of this event, 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

Sun May 7	Mon May 8	Tue May 9
Isolated Showers	Isolated Showers	Isolated Showers



Additional Information

- Please monitor current weather forecasts and alerts:
http://weather.gc.ca/canada_e.html
http://weather.gc.ca/warnings/index_e.html
- Please consult the following websites for further information:
RFC Warning page: <http://bcrcf.env.gov.bc.ca/warnings/index.htm>
RFC Current Streamflow conditions: http://bcrcf.env.gov.bc.ca/freshet/map_all_wsc.html

Mountain Weather Forecast: <https://avalanche.ca/weather/forecast>

The Convective (thunderstorm) outlook for each day will be available on the “Day 1” tab