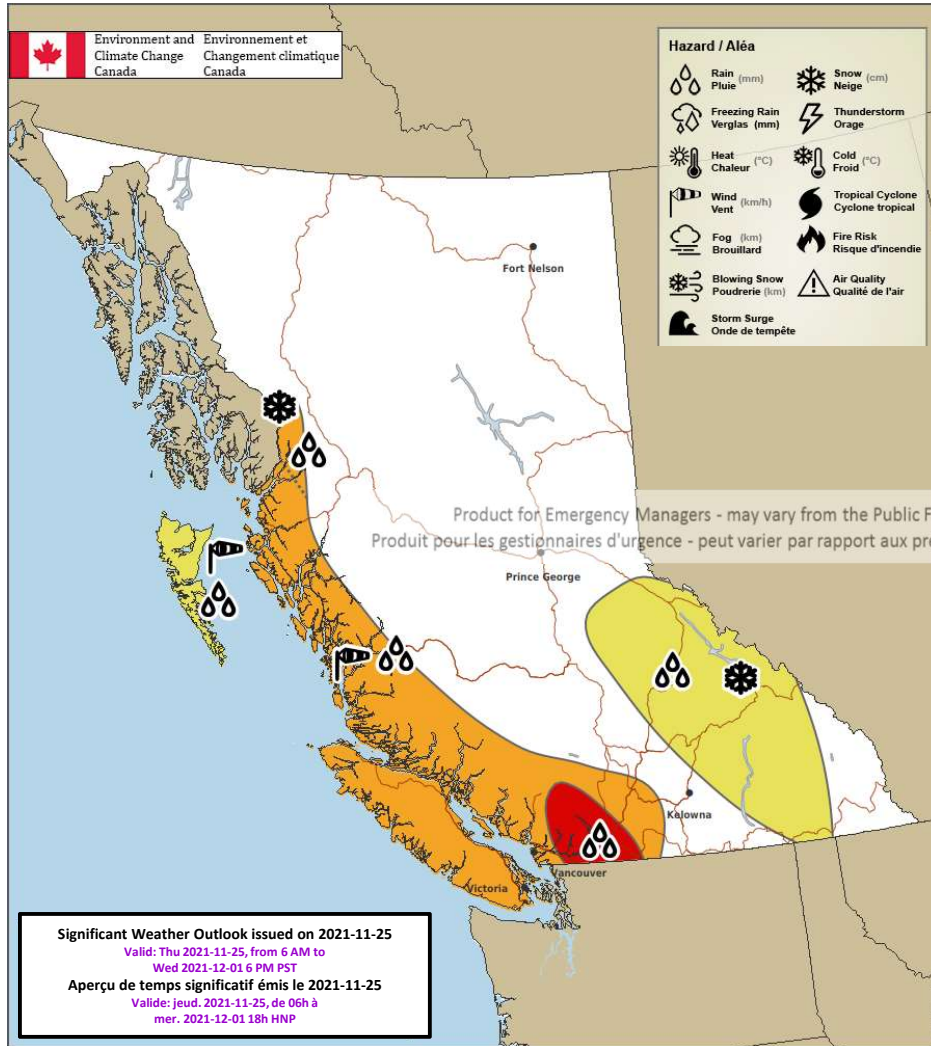




Dangerous Weather Pattern for BC

Event Duration: Thursday November 25 to Wednesday December 1, 2021



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

Impacts

- RFC has concerns that multiple storms will worsen existing flooding or create new flooding due to heavy rainfall and snow melt from rising freezing levels.
- Heightened risk of landslides, debris flows and rock-fall.
- Power outages are possible from moderate to strong gusty winds.
- Effects of the storms will be cumulative but the weekend and next week's storms are the strongest.



Certainty

- **Pattern: high.** There are three atmospheric rivers forecast to affect BC over the next seven days and have been consistently forecast.
- **Location of heaviest amounts of rain: medium.** There will certainly be areas impacted with extreme rainfall in the next week. The exact location will become clearer over time. There is a possibility that each storm could impact the same area, leading to extreme rainfall.

Key Points

- Three storms with moisture originating in the subtropics will affect BC. The first is already on the Coast and will prime the environment with moderate amounts of rain. The second for this weekend will be wetter and warmer and the third for early next week may be the strongest (Tuesday to Wednesday).
- 70-100 mm is likely in areas of the Lower Fraser Valley this weekend.
- By Wednesday 1 December we can expect 200-400 mm on parts of western Vancouver Island and on the crest of the South Coast Mountains and Cascades. Rainfall of 100-200 mm is likely on the North Coast.
- Some of this moisture will spill over into the Southwestern Interior nearest the Coast and Cascades where impacts have already occurred.
- Parts of the Columbias, Cariboos and Central Rockies could get 100-150 mm of rain, or the equivalent of rain and wet snow up to Wednesday December 1st. Stewart will see a mixture of snow, wet snow, and rain.
- Snow that has already accumulated in the Southern BC mountains will melt with the weekend and Tuesday-Wednesday systems as freezing levels rise adding to runoff.
- High winds may accompany these storms on the BC Coast and parts of the BC Interior.
- Since many areas of BC still have flooding and are still in recovery from the November 13-15 storm, further impacts can occur with less rain and wind than normal.
- Refer to Environment Canada and River Forecast Centre alerts, including special weather statements and warnings over the next week.

Next Update/WebEx

- An update will be made no later than Monday November 29th. Please monitor ECCC Public Warnings here: http://weather.gc.ca/warnings/index_e.html

Long Range Forecast – For South Coast and Western Southern Interior

Subsequent weather notifications will be issued as needed

Thursday December 2	Friday December 3	Saturday December 4
	Rain and Wind	Rain and Wind



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:
BC RFC Warnings page: <http://bcRFC.env.gov.bc.ca/warnings/index.htm>
BC RFC Current Streamflow Conditions: http://bcRFC.env.gov.bc.ca/freshet/map_all_wsc.html
Mountain Weather Forecast: www.avalanche.ca/weather
Drive BC: www.drivebc.ca
BC Hydro Power Outage Map: <https://www.bchydro.com/power-outages/app/outage-list.html>