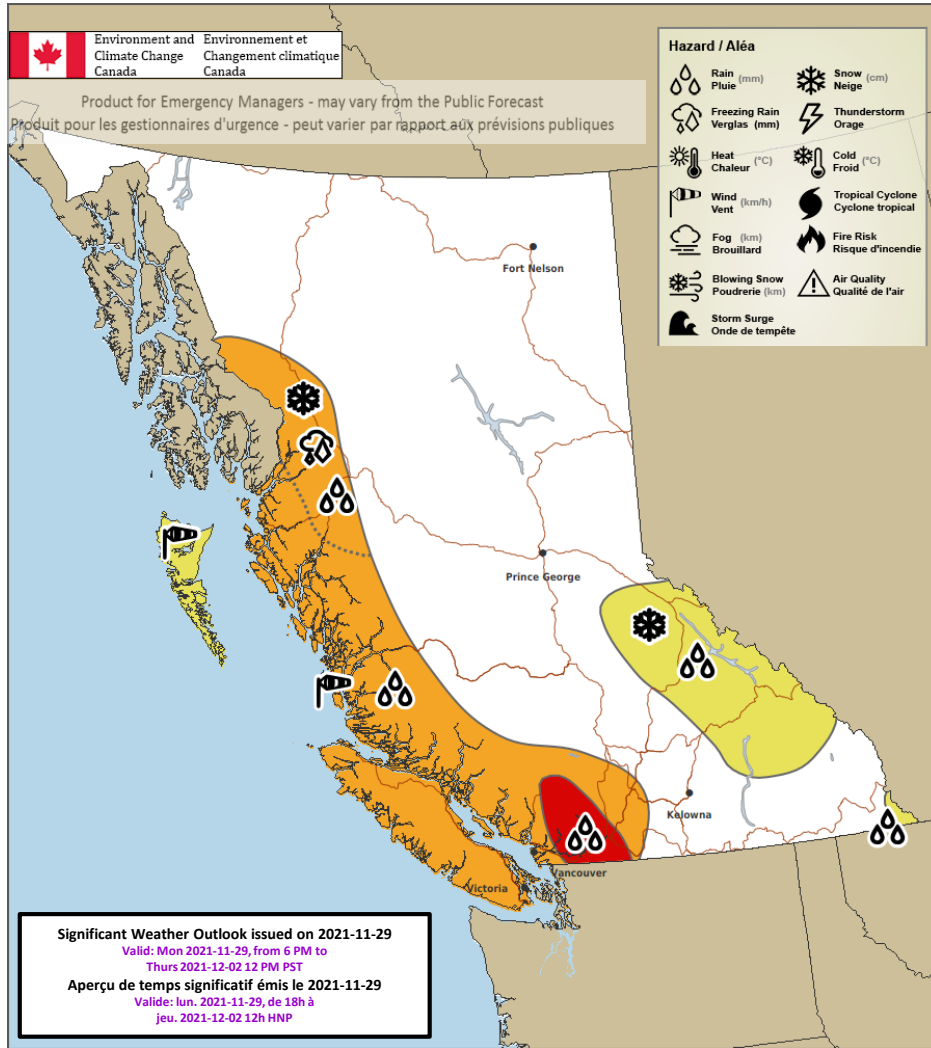




Dangerous Weather Pattern Continues for BC

Event Duration: Monday November 29 to Thursday December 2, 2021



		Risk			
Likelihood	High				✓
	Moderate		✓	✓	
	Low				
	Very Low				
		Impact (Known Vulnerability & Exposure)			

Impacts

- The BC River Forecast Centre 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 storms will be cumulative and this final system comes with the highest freezing levels



Certainty

- **Pattern: HIGH.** This final weather system impacting BC has been consistently forecast.
- **Location of heaviest amounts of rain: : MEDIUM.** Heavy rainfall is likely over coastal BC. A risk of localized extreme rainfall or high rainfall rates is possible, especially for southwest-facing slopes. Significant precipitation also expected over the Columbia Mountains.

Key Points

- A third storm with moisture originating in the subtropics will affect BC tonight through late Wednesday (coast) and into Thursday (interior).
- Storm totals for tonight through midday Thursday are as follows;
 - 100-200 mm for Central Coast (Bella Bella), 90-120 mm for Bella Coola
 - 100-180 mm for northern and western Vancouver Island
 - 50-100 mm for the communities of the Sunshine coast, Howe Sound, Metro Vancouver
 - Up to 100-150 mm for higher terrain of the Sunshine Coast, Howe Sound and North Shore Mountains
 - 40-70 mm for Abbotsford, 60-90 mm for Chilliwack to Hope
 - Some of this moisture will also spillover into the Coquihalla Summit and Allison Pass areas
 - Up to 60 mm for Whistler
- Significant precipitation will also fall in the southern Cariboo Mountains to as far south as Nakusp. Snow at high-elevation highway passes will change to rain Tuesday night. Expect 30 to 70 mm of rain. Fernie may see enhanced rainfall with 30-40 mm by Thursday.
- Cooler conditions over the northern coast will result in 30-40 cm of snow for Stewart, and a mixture of snow, freezing rain and rain for Terrace and Kitimat.
- This final system comes with the highest freezing levels (2500-3000 m for the South Coast; 2000 m for the Columbias). Snow that has already accumulated in the Coast and Columbia Mountains may melt as freezing levels rise, adding to runoff.
- Moderate to high gusty winds may accompany these storms.
- Since many areas of BC still have overland flooding and are still in recovery from the November 13-15 storm, further impacts can occur with less rain/wind than normal.
- High pressure on Thursday and Friday will bring an end to the storm cycle and a significant drop in freezing levels.

Next Update/WebEx

- This is the final weather update for this series of storms. Please monitor Weather Summaries for storm totals for this final storm: https://weather.gc.ca/warnings/weathersummaries_e.html

Long Range Forecast – For Coastal BC

Subsequent weather notifications will be issued as needed

Friday December 3	Saturday December 4	Sunday December 5
	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
US National Weather Service Watches, Warnings & Advisories: <https://www.weather.gov/sew/>
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>