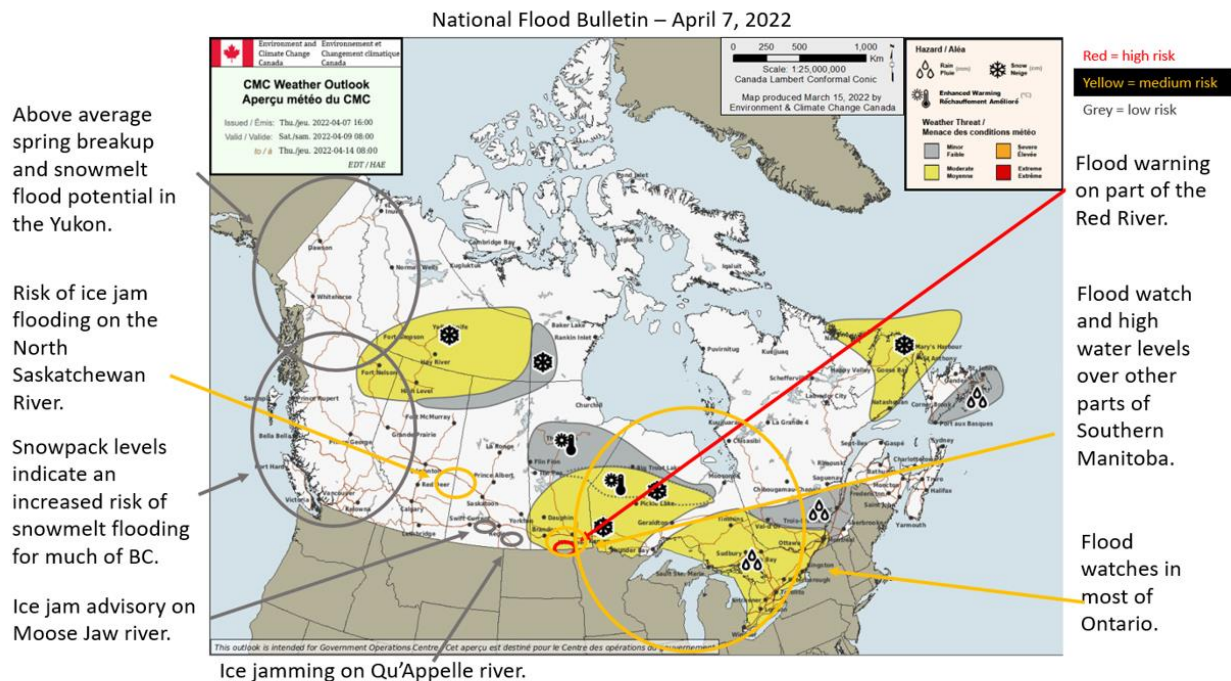


GOC Key Points – Flooding

BLUF: We will see warmer temperatures mixed with precipitation across the country leading to flood watches and warnings in various locations with the possibility of some localized flooding due to ice jams and precipitation. We will monitor for any impacts to First Nations communities and their critical infrastructure, as well as possible impacts in other populated areas throughout the country. No major impacts were expected over the weekend.



*Flood risk summaries based on information available from provincial, territorial, and federal jurisdictions, as collated by the National Hydrological Service, superimposed on significant weather threats as produced by the Meteorological Service of Canada. **FOR INTERNAL USE ONLY.**

Week 1: Saturday, April 9th, 2022 to Sunday, April 17th, 2022

- Temperature
 - Parts of northern SK and MB, as well as northwestern ON, will see abnormally warm temperatures this weekend and into next week before cooling off for the rest of the week.
 - Eastern ON, southern QC, and the Maritimes will see a couple periods of above-normal temperatures as a couple of systems move through - one early next week and another towards the second half of the week.
 - Below-normal temperatures are expected across Western Canada, especially over the Arctic and spreading down into BC and AB.
- Precipitation
 - Most of ON/QC will see above-normal precipitation accumulation over the week as a couple of large spring storms with embedded convection move through. The first

system is expected early next week, with high rainfall affecting southern ON/QC. The second storm, expected after mid-week, will likely see high snowfall accumulation to move into southern MB, northern/northwestern ON, and into northern QC. Most of the expected snowfall accumulation, however, is expected over northern and northwestern ON.

- Eastern QC and the Maritimes will remain fairly dry for most of the week, except for lingering precipitation accumulation over Labrador and NFLD early this weekend, and again for the spring storm as it moves into the region by next weekend.
- A system moving through the northern Prairies this weekend will bring some appreciable snowfall to the region; otherwise, slightly less than normal precipitation accumulation is expected for the rest of the week.
- Western Canada and the Arctic will be drier this week as much of the region will see fairly calm conditions.

Find the full details of the Water Shed Statements (Flood Outlook) at the links.

<https://www.gisapplication.lrc.gov.on.ca/webapps/flood/data/files/cochrane-albany.pdf>

<https://www.gisapplication.lrc.gov.on.ca/webapps/flood/data/files/cochrane-moose.pdf>

Definition. WATERSHED CONDITIONS STATEMENT – FLOOD OUTLOOK: gives early notice of the potential for flooding based on weather forecasts calling for heavy rain, snow melt, high winds or other conditions

Synopsis.

Moose River:

- This week temperatures at freezing during the day and below freezing at night with 8-14 mm of accumulated rainfall expected.
- Temperatures expected to reach 10C by end Apr.
- Currently there is an above average snow pack with equivalent of 200 to 250mm of water.
- Ice thickness is above normal and there is an increased risk of ice jams.
- Current stream flow is within the normal range.
- Break up projected for the week of 24 Apr. Break up may be delayed until the first week of May if temperatures are at the low extent of forecasts.
- “The current level of flood risk is HIGH for the communities of Moosonee and Moose Factory.”



Photo above depicts snow and ice conditions within the Moose River April 5, 2022.

Albany River

- Same synopsis above plus statement that a winter storm last week significantly increased the snow pack in this area to between 150 to 200mm of water equivalent.
- “The current level of flood risk is HIGH for the communities of Kashechewan and Ft Albany.”



Photo above depicts current snow ice conditions on the Albany River at Fishing Creek on April 5th.

In order to view interactive map elements related to this event, please refer to the GOC Key Points website link [here](#).