

FLOOD REPORT FOR MANITOBA

May 13, 2022

- Flood Warning*:**
- Red River, Emerson to the Red River Floodway Channel Inlet
 - Pembina River
 - Shannon Creek
 - Morris and Little Morris Rivers
 - Netley Creek
 - Red River, Red River Floodway Channel Outlet to Lake Winnipeg
 - Assiniboine River, from Shellmouth Dam to Brandon
 - Birdtail Creek
 - Little Saskatchewan River
 - Rolling River
 - Dauphin Lake area
 - Fisher River
 - Icelandic River
 - Whiteshell Lakes area
 - Winnipeg River
 - Whitemouth and Birch Rivers

- Flood Watch*:**
- Roseau River
 - Rat River
 - Red River tributaries
 - Whitemud River
 - Streams in the Parkland region draining off the escarpment

The Hydrologic Forecast Centre has issued an alert, for tomorrow afternoon, for a high risk of ice pile up for the east shore of Lake Manitoba including areas along Twin Beach and Lunder Beach, as highlighted in red on the map on the department's website at https://www.gov.mb.ca/mit/floodinfo/floodoutlook/forecast_centre/lakes/wind_alert/2022/manitoba_lakes_May_13_2022_WindAlertMap.pdf

The Hydrologic Forecast Centre has issued an overland flood warning for part of western MB, the Parkland region, The Pas area and southeastern Manitoba as highlighted in red on the map in figure 1 below. The rest of southern and central Manitoba remains under a flood watch. A total 20 to 50 mm of rain is expected over much of southern and central Manitoba between May 12 to 14, with higher amounts possible in western and southeast Manitoba. Most ditches and waterways are either full or near their capacity. Heavy rain occurring in a short period of time, on saturated soils could create overland flooding.

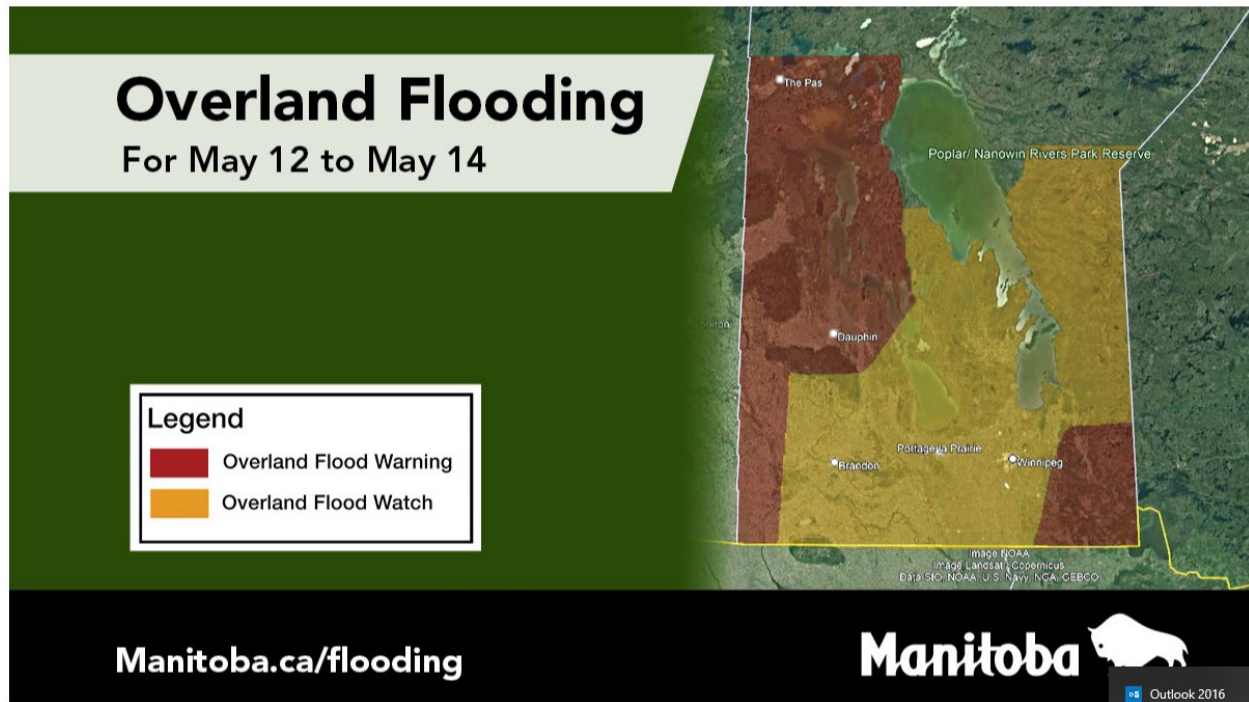


Figure 1: Areas under overland flood warning and flood watch

Summary

- An alert for a high risk of ice pile up is issued, for tomorrow afternoon, for the east shore of Lake Manitoba including areas along Twin Beach and Lunder Beach, as highlighted in red on the map on the department's website below. Property owners are advised to remain vigilant and take any necessary precautions.
https://www.gov.mb.ca/mit/floodinfo/floodoutlook/forecast_centre/lakes/wind_alert/2022/manitoba_lakes_May_13_2022_WindAlertMap.pdf
- An overland flood warning remains for part of western MB, the Parkland region, The Pas area and southeastern Manitoba as highlighted in red on the map in Figure 1. The rest of southern and central Manitoba remains under a flood watch. Most ditches and waterways are either full or near capacity. Heavy rain occurring over a short period on saturated soils could create overland flooding. Water level forecasts for rivers will be updated to determine impacts from this precipitation on areas that are already experiencing flooding.
- Much of southern and central Manitoba is in the midst of a system that is expected to bring 20 to 50 mm of rain between May 12 to May 14. Thunderstorms were reported in the Dauphin area this morning and further thunderstorms with intense rain are possible in the Duck Mountains area, the upper Assiniboine and Qu'Appelle River basins in Saskatchewan. Preliminary rainfall amounts are consistent with what was expected from the forecast, further precipitation is expected in most areas today, and total rainfall amounts will be provided once the system has passed.
- Flooding continues in parts of the Interlake, Red River Valley and many other portions of central and southern Manitoba. Residents in these areas are advised to monitor local conditions, to maintain contact with the local authority, and to take any necessary flood

mitigation actions. Water level forecasts for rivers will be updated to determine impacts from received and forecasted precipitation.

- The Red River is declining from Emerson to Morris and is near crest at Ste. Agathe. The rate of decline on the river is slowing due to the recent precipitation. Locations in the Red River valley from Ste. Agathe downstream are expected to peak at levels between 2011 and 2009 spring flood levels. Forecasters are monitoring the precipitation systems and will issue updates, as required. For the latest forecast information, please check the latest flood sheet on the department's website.
- The Red River Floodway and the Portage Diversion continue to operate to lower water levels in Winnipeg. Provincial crews are deployed to a number of communities in the Red River Valley running pumping operations, as well as preparing for, monitoring and implementing dike closures, as required.
- As fishing season approaches, Manitobans are reminded to stay clear of the Red River floodway inlet and outlet structures, the Portage Diversion gate structures in the Portage Reservoirs, and actively flowing spillways on dams. Manitobans are also reminded to stay off waterways in flood stage including creeks, streams, rivers and the floodway. High flows, debris, and cold water temperatures present a significant hazard.
- PTH 75 remains closed at the north and south ends of Morris. A detour utilizing PTH 3 through Carman and south to Winkler and onto PTH 14 to return to PTH 75 is in effect.
- There are a significant number of provincial and municipal roads that are closed due to flooding conditions. Motorists who are required to travel are strongly encouraged to plan their routes before travelling. Motorists are reminded to stay off of closed roads and to not attempt travel across inundated roads. Up-to-date information on highway conditions, including detours and road closures can be found at www.manitoba511.ca/ or by calling 511.
- Current water level data and forecast information is available on the department's website at https://gov.mb.ca/mit/floodinfo/#forecasts_reports.
- Flooding has impacted communities and properties, resulting in damages, mitigation activities and evacuations in Southern Manitoba and the Interlake region. Any questions or concerns about flood mitigation should be directed first to the municipal authority. Questions about forecasts, water levels, provincial waterways, or provincial water control infrastructure can be directed to 204-945-1165 or by email to floodinfo@gov.mb.ca.

Weather

- Weather forecasts indicate that southern Manitoba will experience strong south to southwest winds this afternoon, with gusts of up to 90 kilometre per hour. These winds could cause ice pile up on the east shore of Lake Manitoba, including areas along Twin Beach and Lundar Beach. However, this south wind poses low risk of ice pile-up on other major lakes. The forecasted strong winds tomorrow could also cause water levels in flooded areas of the Red River Valley to rise by up to a foot in some areas. Wave action could also add to the temporary increase in water levels and could result in temporary overtopping of roads.

- An overland flood warning remains for part of western MB, the Parkland region, The Pas area and southeastern Manitoba as highlighted in red on the map in Figure 1. The rest of southern and central Manitoba remains under a flood watch. Most ditches and waterways are either full or near capacity. Heavy rain occurring over a short period on saturated soils could create overland flooding. Water level forecasts for rivers will be updated to determine impacts from this precipitation on areas that are already experiencing flooding.
- Much of southern and central Manitoba is in the midst of a system that is expected to bring 20 to 50 mm of rain between May 12 to May 14. Thunderstorms were reported in the Dauphin area this morning and further thunderstorms with intense rain are possible in the Duck Mountains area, the upper Assiniboine and Qu'Appelle River basins in Saskatchewan. Preliminary rainfall amounts are consistent with what was expected from the forecast, further precipitation is expected in most areas today, and total rainfall amounts will be provided once the system has passed.

Red River Basin

- A flood warning remains for the Red River from Emerson to the Red River Floodway inlet, and from the outlet to Lake Winnipeg. A flood warning remains for the following Red River tributaries: Shannon and Netley Creeks, as well as the Morris, and Little Morris Rivers. The remaining Red River tributaries remain under a Flood Watch.
- The Red River is declining from Emerson to Morris and is near crest at Ste. Agathe. The rate of decline on the river is slowing due to the recent precipitation. Locations in the Red River valley from Ste. Agathe downstream are expected to peak at levels between 2011 and 2009 spring flood levels, but forecasters are monitoring the precipitation systems and will issue updates, as required. For the latest forecast information, please check the latest flood sheet on the department's website.
- Drains, creeks, and tributaries in the Red River basin are at or above capacity but water levels are stable or declining in most of the tributaries. Water levels on the Red River main stem from St. Adolphe to the Red River Floodway are near peak. Water levels across the Red River basin are expected to remain high for an extended duration, likely into June.
- The Red River Floodway continues to operate under rule 1 to lower water levels in Winnipeg while keeping water levels at or slightly below natural upstream of the inlet control structure. As of this morning, flow in the Floodway channel was 42,653 cfs (1,207.81 cms), and flows upstream of the Floodway Inlet are approximately 84,038 cfs (2,379.70 cms). The water level at James Avenue was at 18.4 ft (5.61 m) and the estimated water level that would occur at James Avenue without the operation of the Red River Floodway, Portage Diversion, and Shellmouth Dam is 27.55 ft (8.40 m).
- PTH 75 remains closed at the north and south ends of Morris. A detour utilizing PTH 3 through Carman and south to Winkler and onto PTH 14 to return to PTH 75 is in effect.
- Provincial crews are deployed in a number of communities in the Red River Valley preparing for, implementing, and monitoring ring dike closures, as required. Dike closures are in place at locations shown in Table 1. Note railway closures are not included.

- Provincial crews are running pumping operations at 35 different pump sites to facilitate internal drainage inside ring dike communities. Pumping operations are underway at Noyes, Emerson, West Lynne, Dominion City, Letellier, St. Jean Baptiste, Morris, Rosenort, Riverside, St. Adolphe, St. Agathe, Niverville, Aubigny and Brunkild.

Table 1: Red River Valley Dike Closure Status

Red River Valley Dike Closure Status - May 13, 2022		
Community	Dike Closures	Status
Riverside	North (access road 2E) , East and South	Full closure (North closure is ramped but only allows ATV access)
Gretna	Border PTH 30	Full closure
Emerson	at Noyes	Full closure
West Lynne	North West Lynne	Full closure
St. Jean Baptiste	East at PR 246	Full closure
	South East at Access Road	Full closure
Morris	North at PTH 75	Full closure
	West at PTH 23	Full closure
	South at PTH 75	Full closure
Brunkild	South at PTH 3	Partial closure (2 lanes open)
St. Adolphe	North at PR 200	Full closure
	West at Access Road	Full closure
	East at PR 210	Full closure
	South at PR 200	Full closure (ramped for vehicle access)
Ste. Agathe	East at PR 305.	Partial closure (PR 305 open)

Pembina River Basin

- A flood warning remains for the Pembina River in Manitoba. Water levels are declining but remain high and are over channel capacities at some areas. Forecasters continue to monitor the weather and basin conditions and will update river forecasts to reflect conditions. Please refer to the flood sheet for details.
- A full closure remains on PTH 30 at Gretna on the International border. Provincial crews continue monitoring water levels at Gretna.

Assiniboine River Basin

- The flood warning for the Assiniboine River from Shellmouth Dam to Brandon remains. A flood warning remains for the Little Saskatchewan and Rolling Rivers, and Birdtail Creek.
- Flows and water levels along the Assiniboine River mainstem and tributaries are expected to increase as the basin is forecasted to receive a total of up to 30 mm of rain by May 14. Heavy precipitation is forecasted for the upper Assiniboine and Qu'Appelle River basins with the heaviest rainfall occurring today. Total precipitation could be in excess of 50 mm. Water levels on most tributaries are expected to rise by 1 to 2 feet, although smaller creeks and streams could see a slightly higher increase. Forecasters are monitoring the precipitation systems and will issue updates, as required. The latest forecast information is available on the flood sheet.
- The department is operating the Shellmouth Dam in consultation with the Shellmouth Liaison Committee to reduce the risk of flooding downstream on the Assiniboine River,

while at the same time providing sufficient storage for water supply and recreational activities. As of this morning, the reservoir water level is at 1,399.1 feet (426.45 m), an increase of 0.1 ft (0.03 m). Inflows to the reservoir are approximately 3,922 cfs (111.06 cms) and outflows are 3,298 cfs (93.39 cms). Dam operations are continuously assessed and outflows may change in response to conditions.

- The Portage Diversion is operating to help manage water levels in the City of Winnipeg. As of this morning, flow down the diversion channel is 6,145 cfs (174.01 cms) and flow on the lower Assiniboine River just east of Portage La Prairie is 6,392 cfs (181.00 cms).

Eastern Region

- A flood warning remains for the Winnipeg, Whitemouth and Birch Rivers as well as the Whiteshell lakes area. A flood watch remains for the Rat and Roseau Rivers.
- The Winnipeg River system, upstream in Ontario, has received above normal rain and snowmelt since early April. Lakes and communities along this river system are expected to receive record flows at some locations, which depending on future rainfall, could exceed the previous record inflow experienced in 2014. Residents and property owners along this stretch of the river are cautioned for flooding as there is a potential for sustained high water levels in these areas.

Interlake Region

- A flood warning remains for the Fisher and Icelandic Rivers. Water levels on the Fisher River remain high but have been declining slowly, the effect of recent and forecasted rains is being assessed. Local authorities and provincial crews are monitoring conditions and responding as required.
- Water levels are decreasing on streams and drains across the Interlake region. Provincial crews continue to closely monitor the conditions.

Parkland Region

- A flood warning remains for Dauphin Lake and a flood watch remains for all streams in the parkland draining out of the Duck and Riding Mountains.
- While flows on most streams in the region are currently declining, the recent and forecasted precipitation may cause them to rise. Forecasters are monitoring the conditions and will issue updates as required.
- Pumping operations to provide internal drainage at the community of Ste. Rose du Lac continues.

Whitemud Watershed

- A flood watch continues for the Whitemud River. Runoff from snowmelt in the Riding Mountain area as well as forecasted rain may cause further rise in water levels.

Northern Manitoba

- Water levels on the Carrot River are rising but are stable on the Saskatchewan and Red Deer Rivers. There is a low risk of flooding in Northern Manitoba basins, including the Saskatchewan and Carrot River basins.

Manitoba Lakes

- An alert for a high risk of ice pile up is issued for this afternoon for the east shore of Lake Manitoba including areas along Twin Beach and Lunder Beach, as highlighted in red on the map on the Department website's below. Property owners are advised to remain vigilant and take any necessary precautions. The forecasted south winds poses low risk of ice pile up on other major lakes.
https://www.gov.mb.ca/mit/floodinfo/floodoutlook/forecast_centre/lakes/wind_alert/2022/manitoba_lakes_May_13_2022_WindAlertMap.pdf
- Ice cover is degrading quickly on all major Manitoba lakes. Many smaller, southern lakes are ice-free.
- Outflow from Lake Manitoba through the Fairford River Water Control Structure was reduced to approximately 975 cfs (27.61 cms). The structure is being operated in accordance with the operating guidelines.
- Lake Winnipeg is at 714.1 ft today and rising towards the upper end of its operation range. Provincial officials are collaborating with Manitoba Hydro to monitor conditions and forecasts for the lake.
- Manitoba Lakes are being closely monitored and will be further assessed once the outcome of the forecasted precipitation is known.

***Definitions**

Flood Warning: A flood warning is issued when river or lake levels are exceeding or are expected to be exceeding flood stage within the next 24 hours.

Flood Watch: A flood watch is issued when river or lake levels are approaching and likely to reach flood stage, but likely not within the next 24 hours.

High Water Advisory: A high water advisory is issued when a heavy storm or high flows are expected and may cause water levels to rise, but not necessarily reach flood stage. A high water advisory can be an early indicator for conditions that may develop into a flood watch or flood warning.