

FLOOD REPORT FOR MANITOBA

June 1, 2022

- Flood Warning*:**
- Little Saskatchewan River
 - Whitemud River- Woodside to Westbourne
 - Dauphin Lake
 - Whiteshell Lakes area
 - Winnipeg River
 - Assiniboine River, from Shellmouth Dam to Brandon
 - Red River, Emerson to the Red River Floodway Channel Inlet
 - Shannon Creek, Morris and Little Morris Rivers
 - Red River, Red River Floodway Channel Outlet to Lake Winnipeg
 - Red River Tributaries
 - Pembina River System including Pelican and Rock Lakes.
 - Fishing and Family Lakes on Berens River System.
- Flood Watch*:**
- Mossy River
 - Roseau River
 - Icelandic River
 - Fisher River
 - Souris River, US Border to Napinka.

Summary

- Most areas of the province received at least 10 to 40 mm of precipitation from this recent system. Many parts of Manitoba received more rain, the Red River Basin, Interlake and Berens River system received up to 80mm.
- There is no significant rain in the forecast for the next seven days for the southern and central parts of Manitoba. However, the northern parts of the province are expected to receive 10 to 40 mm precipitation as a rain-snow mix over the next three days. Forecasters will continue to monitor conditions and provide updates as required.
- Water levels on the Red River Tributaries are increasing in response to the recent precipitation. On the Red River main stem some locations may see slight water level increases due to tributary runoff. The recent precipitation is not expected to cause significant increases in water level, but will extend the duration of high water.
- Very high flows and water levels are being experienced on the Winnipeg River and other lakes and rivers in the Whiteshell area. Manitoba Hydro measures water levels and flows on waterways contributing to the provincial hydro-electric system and provides a 14-day forecast at https://hydro.mb.ca/corporate/facilities/water_levels/. Forecast information from Manitoba Hydro is also available on the latest flood sheet on the Department's website.

Transportation and Infrastructure

- Manitoba Environment, Climate and Parks has closed some provincial parks, closed campgrounds and some facilities at other provincial parks that otherwise remain open, and advised against travel to some provincial parks. Details on all flood-related closures and advisories in provincial parks are available at www.manitobaparks.com.
- There are a number of provincial and municipal roads across Manitoba that have been damaged or closed due to flooding. Motorists are encouraged to plan their routes before travelling by checking 511 (www.manitoba511.ca/ or by calling 511). Motorists are reminded to stay off of closed roads and to not attempt travel across inundated roads or damaged bridges.
- The Red River Floodway and Portage Diversion continue operation. Provincial crews are deployed to a number of communities in the Red River Valley running pumping operations and monitoring dike closures.
- Manitobans are reminded to stay clear of the Red River floodway inlet and outlet structures, the Portage Diversion gate structures in the Portage Reservoir, 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.
- 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 across southern and central Manitoba. 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

- Most areas of the province received at least 10-40 mm of precipitation from this recent system. Many parts of Manitoba received more rain, the Red River Basin, Interlake and Berens River system received up to 80 mm. Figure 1 shows the distribution of the estimated observed precipitation received over the past seven days from May 25 – June 1, based on the Canadian Precipitation Analysis (CaPA) model from Environment and Climate Change Canada.
- There is no significant rain in the forecast for the next seven days for the southern and central parts of Manitoba. However, the northern parts of the province are expected to receive 10 to 40 mm precipitation as a rain-snow mix over the next three days. Forecasters will continue to monitor conditions and provide updates as required.

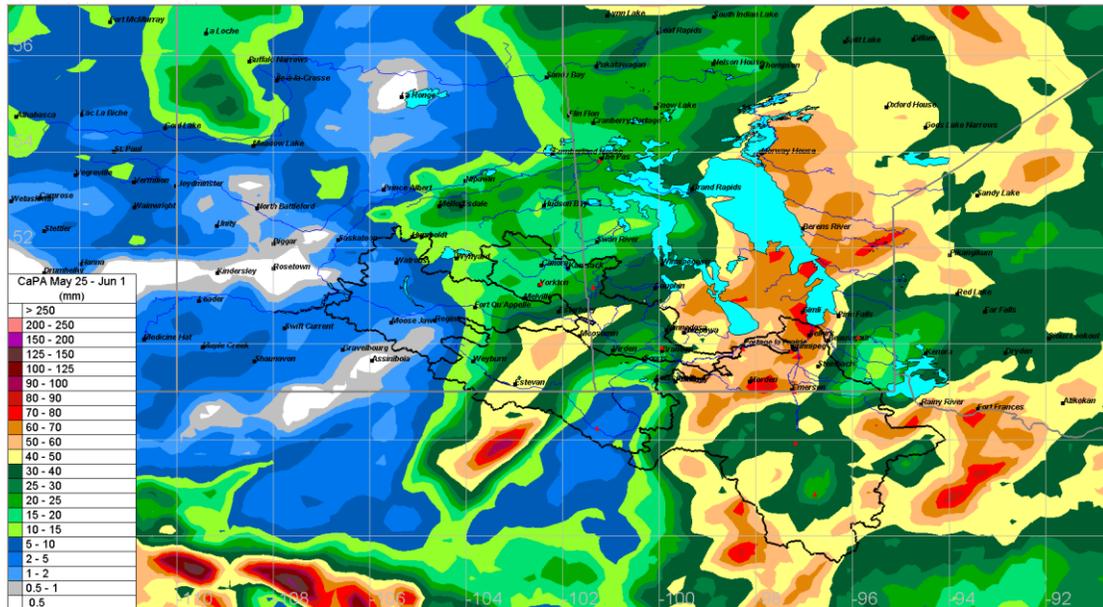


Figure 1: Estimated Observed Precipitation (May 25 – June 01) Source: Environment and Climate Change Canada

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 Shannon Creek, Boyne, Morris, Little Morris Rivers, and the remaining Red River tributaries. The alert for the Roseau River is downgraded to a flood watch.
- Water levels on the Red River Tributaries are increasing in response to the recent precipitation. On the Red River main stem some locations may see slight water level increases due to tributary runoff. The recent precipitation is not expected to cause significant increases in water level, but will extend the duration of high water.
- 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 31,059 cfs (879.47 cms), and flows upstream of the Floodway Inlet are approximately 69,944 cfs (1,980.59 cms). The water level at James Avenue was at 18.6 ft (5.67 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 25.73 ft (7.84 m).
- Provincial crews are running pumping operations to facilitate internal drainage inside ring dike communities. Pumping operations are underway at Noyes, Emerson, West Lynne, Dominion City, Letellier, St. Jean Baptiste, Brunkild, Morris, Rosenort, Riverside, St. Adolphe, St. Agathe, and Niverville.
- Provincial crews continue to monitor dike closures in the Red River valley, the current dike closures are in place at locations shown in Table 1.

Table 1: Red River Valley Dike Closure Status

Red River Valley Dike Closure Status – June 1, 2022		
Community	Dike Closures	Status
Emerson	at Noyes	Full closure
West Lynne	North West Lynne	Full closure
St. Jean Baptiste	East at PR 246	Full closure
Morris	North at PTH 75	Full closure
St. Adolphe	North at PR 200	Full closure
	West at Tache Avenue	Full closure
	East at PR 210	Full closure (ramped and open to local traffic)
Ste. Agathe	East at PR 305	Partial closure (PR 305 open)

Pembina River Basin

- A flood warning remains for the Pembina River System including Pelican and Rock Lakes.

Assiniboine River Basin

- The flood warning for the Assiniboine River from Shellmouth Dam to Brandon and on the Little Saskatchewan River remains. A flood watch is in place for the Souris River between the US border and Napinka.
- The department is operating the Shellmouth Dam in compliance with the operating guidelines and in consultation with the Shellmouth Liaison Committee. Outflows from the dam have been reduced to help alleviate flooding on agricultural land in downstream parts of the valley, but will result in more rapid water level rise on the reservoir. As of this morning, the reservoir water level is at 1,405.6 feet (428.43 m), an increase of 0.5 ft (0.15 m). Inflows to the reservoir are approximately 5,858 cfs (165.88 cms) and outflows are 2,563 cfs (72.58 cms). Dam operations are continuously assessed and outflows may change in response to conditions.
- Water levels and flows on the Little Saskatchewan River continue to recede at most locations but the water levels remain high. Flood forecasters are monitoring the conditions closely and will issue updates, as required.
- There is some flooding of low-lying areas on the Souris River between the US border and Napinka but all other stretches of the river are reported to be within bank.
- The Portage Diversion is operating to limit discharge to the Lower Assiniboine from the Portage Reservoir to approximately 10,000 cfs (283 cms), in accordance with the operating guidelines. As of this morning, flow down the diversion channel is 7,840 cfs (222.0 cms) and flow on the lower Assiniboine River just east of Portage La Prairie is 9,401 cfs (266.21 cms).

Whitemud River

- A flood warning is expanded for the Whitemud River to include Woodside and Westbourne. Water levels and flows at upstream stations are continuing to increase in response to recent rain.

Interlake Region

- A flood watch is issued on the Icelandic and Fisher Rivers. Water levels and flows are increasing in response to recent rain. Flood forecasters are monitoring the conditions closely and will issue updates, as required.

Eastern Region

- A flood warning remains for the Winnipeg River and the Whiteshell lakes area.
- Very high flows and water levels are being experienced on the Winnipeg River and other lakes and rivers in the Whiteshell area. Manitoba Hydro measures water levels and flows on waterways contributing to the provincial hydro-electric system and provides a 14-day forecast at https://hydro.mb.ca/corporate/facilities/water_levels/. Forecast information from Manitoba Hydro is also available on the latest flood sheet on the Department's website.
- Manitoba Environment, Climate and Parks has closed some provincial parks, closed campgrounds and some facilities at other provincial parks that otherwise remain open, and advised against travel to some provincial parks. Details on all flood-related closures and advisories in provincial parks are available at www.manitobaparks.com.

Parkland Region

- A flood warning for Dauphin Lake and a flood watch for Mossy River remains.
- There are still a significant number of provincial and municipal roads that have been damaged or closed in the Parkland region due to flooding. Motorists who need to travel in this area are strongly encouraged to plan their routes before travelling by checking 511 (www.manitoba511.ca/ or by calling 511). Motorists are reminded to stay off of closed roads and to not attempt travel across inundated roads or damaged bridges.
- Pumping operations continue to provide internal drainage at the community of Ste. Rose du Lac.

Manitoba Lakes

- A flood warning remains for Fishing and Family Lakes on the Berens River system. A significant amount of rain, from 50-80mm, was received in this basin during the recent system. The lakes are expected to continue to rise and are being monitored.
- Wind-affected water levels on Dauphin Lake, Lake Manitoba and Lake Winnipegosis have normalized. Water levels on the south basin of Lake Winnipeg have dropped from their wind-affected peak yesterday, but are expected to take another day or two to normalize. There is a forecast for possible strong winds affecting portions of the south basin of Lake Manitoba tomorrow afternoon, forecasters will issue a wind effect warning if warranted by conditions.

- Outflow from Lake Manitoba through the Fairford River Water Control Structure is now approximately 4,273 cfs (121.0 cms). Water levels and flows are currently being impacted by winds. The structure is being operated in accordance with the operating guidelines.

***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.