

OTTAWA RIVER REGULATING COMMITTEE (ORRC)

OTTAWA RIVER

FORECAST PEAK FLOOD LEVELS

2019-04-25 17:00

(Next update 2019-04-26 09:00)



	CURRENT LEVEL			FORECAST PEAK LEVEL		
	2017 PEAK (m)***	DATE-TIME	LEVEL (m)**	DATE	LEVEL (m)**	CHANGE (cm)*
MATTAWA	153.96	2019-04-25 15:00	153.06	2019-05-02	154.70	164
PEMBROKE	113.03	2019-04-25 14:00	112.95	2019-04-27	113.45	50
LAC COULONGE	108.52	2019-04-25 13:45	108.25	2019-04-29	109.10	85
LAC CHATS	75.95	2019-04-25 14:00	75.74	2019-04-29	76.40	66
LAC DESCHENES/BRITANNIA	60.44	2019-04-25 15:00	60.16	2019-04-29	60.90	74
GATINEAU/HULL MARINA	45.20	2019-04-25 13:45	44.66	2019-04-30	45.60	94
THURSO	43.69	2019-04-25 13:45	43.30	2019-04-30	43.90	60
GRENVILLE/HAWKESBURY	42.81	2019-04-25 13:45	42.51	2019-04-30	43.00	49
MANIWAKI	166.10	2019-04-25 13:45	165.13	2019-04-30	165.20	7

* CHANGE is the difference in centimeters between the FORECAST PEAK LEVEL and the CURRENT LEVEL.

** All levels are in reference to mean sea level.

*** Peak water level reached in May 2017.

ESTIMATED

Warning:

- Water level forecasts are subject to a high degree of uncertainty and should be used as an approximate reference only.
- The flow rate and actual levels can change rapidly without warning, particularly during the freshet period. We advise those using bodies of water to exercise caution and to follow safety rules at all times.
- The FORECAST PEAK LEVEL does not account for local variations due to wind and wave effects.

River Conditions Forecast

2019-04-25 17:00

Forecast rainfall of 20 to 50 mm is expected Friday and Saturday. Combined with runoff from snowmelt and recent rainfall in the central part of the basin, flows and levels along the Ottawa River are expected to rapidly rise over the weekend. On Monday and Tuesday, flows and levels are expected to exceed those observed in May 2017 depending on the amount of precipitation received. All areas along the Ottawa River that were impacted in 2017, and possible additional areas, are at risk. Reservoirs throughout the basin are being used to store runoff and minimize flooding as much as possible.

<http://www.ottawariver.ca/forecast.php>

Flood Warning

Pembroke District

NEWSThursday, April 25, 2019
3:00pm

The Ministry of Natural Resources and Forestry (MNRF) – Pembroke District is advising area residents that the Flood Warning in effect for all of Renfrew County has been extended until Thursday, May 02, 2019.

Residents in Renfrew County should keep a close watch on conditions, regularly check for updated messages and exercise caution near fast-moving rivers and streams. Water levels in large lakes and rivers are continuing to rise due to melting snow and ice and will continue to rise as more rain is received. Residents who have a historic susceptibility to flooding should take appropriate precautions to protect their property, such as ensuring sump pumps are functioning and securing items that may float away as water levels rise. Motorists in the area should remain vigilant for flooding over roadways and the potential for washed out culverts. Anyone requiring sandbags or assistance should contact their local municipality.

MNRF advises extreme caution when using forest access roads for outdoor activities. Many are seasonally inundated with water, prone to washouts, and may be impassable due to current water levels. The public should avoid crossing any submerged roads as there may be a risk to traveler safety.

MNRF is closely monitoring the weather and developing watershed conditions. Further updates will be issued as appropriate.

TECHNICAL INFORMATION

Description of Weather System

This message is being sent based on information received from MNRF - Surface Water Monitoring Centre, MNRF - Aviation Forest Fire and Emergency Management Services and Environment Canada.

The system moving into the area Thursday evening is expected to bring a significant amount of rain throughout the day on Friday and into Saturday. Forecasters are estimating that 20-40mm of rain could fall before the system moves out late Saturday.

Daytime high temperatures in the 10 to 15 degree range will increase the melt and amount of runoff.

Description of Current Conditions

While water levels in small creeks and streams is levelling off, water levels in large lakes and rivers is continuing to rise due to the ongoing spring snow melt and precipitation events.

The Ottawa, Madawaska and Bonnechere Rivers are expected to crest over the next few days, however, if significant rainfall is received from the system moving in, water levels will continue to rise, and the crest will be delayed. Water managers have indicated that water levels this weekend could potentially reach or surpass 2017 levels.

There is still significant snow to melt in Algonquin Park and to the north of Renfrew County which will keep water levels high for the foreseeable future. Ice remains on large lakes in the County which could further increase water levels and flows as the ice degrades and increases the risk of ice jams.

Many areas around the County are experiencing flooding in low-lying areas and several roads are inundated with water and experiencing wash-outs.

Extreme caution around lakes, rivers and submerged roads in addition to keeping a close watch on local forecasts and conditions is recommended for the safety of all residents.

DEFINITIONS

- **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
- **WATERSHED CONDITIONS STATEMENT – WATER SAFETY:** indicates that high flows, melting ice or other factors could be dangerous for such users as boaters, anglers and swimmers but flooding is not expected.
- **FLOOD WATCH:** potential for flooding exists within specific watercourses and municipalities
- **FLOOD WARNING:** flooding is imminent or occurring within specific watercourses and municipalities.

LEARN MORE

- Surface Water Monitoring Centre public webpage www.ontario.ca/flooding
- Environment Canada bulletins: www.weather.gc.ca