



LRCA - Ontario Low Water Response Monthly Summary – December 2021

Current Declared Low Water Condition LRCA Area of Jurisdiction	Date Declared
None in effect	

MNR Low Water Level Indicators

Level I		Level II	Level III
Rain	< 80% of the monthly average	< 60% of the monthly average	< 40% of the monthly average
Streamflow	Spring: Monthly flow < 100% of the lowest average summer month flow	Spring: Monthly flow < 70% of the lowest average summer month flow	Spring: Monthly flow < 50% of the lowest average summer month flow
	Other times: Monthly flow < 70% of the lowest average summer month flow	Other times: Monthly flow < 50% of the lowest average summer month flow	Other times: Monthly flow < 30% of the lowest average summer month flow

Precipitation Summary – December 2021

One Month Summary December	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	69.7	42.2	165	No Condition
3 Month Summary September, October, November	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	182	157.2	116	No Condition
18 Month Summary June 2020 to December 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	948.9	1128.5	84	No Condition

Note: Based on available gauge data at time of summary

Flow Summary – December 2021

Flow One Month Summary – Based on MNRF Lowest Average Summer Flow	Percentage of Actual Flow compared to Lowest Average Summer Flow for area gauged streams	OLWR Condition
	272	No Condition
Flow One Month Summary – Based on Environment Canada Mean Monthly Discharge	Percentage of Actual Flow compared to Mean Monthly Flow for area gauged streams	OLWR Condition
	265	N/A

OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	January 5, 2022
Kashabowie Lake	yes	January 5, 2022
Dog Lake	yes	January 5, 2022
Kakabeka Falls	yes	January 5, 2022

Lake Superior Summary – December 2021

	Metres
Latest Weekly Mean (03/01/2022)	183.25 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior ¹	-0.96 ²
Compared to one year ago	-0.34

Source: <http://www.isdm-qdsi.gc.ca/isdm-qdsi/twl-mne/wb-bh-eng.asp>

Note: ¹ Geodetic 100 Year Flood Level on Lake Superior in Thunder Bay is 183.90 masl.

² Fisheries and Oceans Canada data reported in International Great Lakes Datum (IGLD); 0.31 metres subtracted from IGLD data to hydraulically correct and convert to geodetic masl.