LAKEHEAD REGION
CONSERVATION AUTHORITY

LRCA - Ontario Low Water Response
Monthly Summary – December 2022

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 2022

One Month Summary December	**One Month Actual (mm)**	**Monthly Average (mm)**	**Percentage**	**OLWR Condition**
	76.4	42.2	181	**No Condition**
3 Month Summary October, November, December	**Three Month Actual (mm)**	**Three Month Average (mm)**	**Percentage**	**OLWR Condition**
	176.4	157.2	112	**No Condition**
18 Month Summary July 2021 to December 2022	**18 Month Actual (mm)**	**18 Month Average (mm)**	**Percentage**	**OLWR Condition**
	1202.2	1128.5	107	**No Condition**

Note: Based on available gauge data at time of summary

Flow Summary – December 2022

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**
	275	**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**
	338	**N/A**

OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	January 11, 2023
Kashabowie Lake	yes	January 11, 2023
Dog Lake	yes	January 11, 2023
Kakabeka Falls	yes	January 11, 2023

Lake Superior Summary – December 2022

	Metres
Latest Weekly Mean (02/01/2023)	183.54 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior[1]	-0.67[2]
Compared to one year ago	+0.29

Source: *http://www.isdm-gdsi.gc.ca/isdm-gdsi/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.