

## LRCA - Ontario Low Water Response Monthly Summary – January 2023

|   |                      |
|---|----------------------|
| <b>Current Declared Low Water Condition</b> | <b>Date Declared</b> |
| <b>LRCA Area of Jurisdiction</b>            |                      |
| None in effect                              |                      |

### MNR Low Water Level Indicators

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

### Precipitation Summary – January 2023

| One Month Summary           | One Month Actual (mm)   | Monthly Average (mm)     | Percentage | OLWR Condition |
|-----------------------------|-------------------------|--------------------------|------------|----------------|
| January                     | 13.1                    | 39.8                     | 33         | Level III      |
| 3 Month Summary             | Three Month Actual (mm) | Three Month Average (mm) | Percentage | OLWR Condition |
| November, December, January | 157.8                   | 137.7                    | 115        | No Condition   |
| 18 Month Summary            | 18 Month Actual (mm)    | 18 Month Average (mm)    | Percentage | OLWR Condition |
| August 2020 to January 2023 | 1195.3                  | 1089.9                   | 110        | No Condition   |

*Note: Based on available gauge data at time of summary*

### Flow Summary – January 2023

| 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 |
|---|--|----------------|
|   | 209  | 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 |
|   | 911  | N/A            |

### OPG Kaministiquia River Summary

| Kam River Structure | In compliance with Water Management Plan | Status as of     |
|---------------------|--|------------------|
| Shebandowan Lake    | yes                                      | February 2, 2023 |
| Kashabowie Lake     | yes                                      | February 2, 2023 |
| Dog Lake            | yes                                      | February 2, 2023 |
| Kakabeka Falls      | yes                                      | February 2, 2023 |

### Lake Superior Summary – January 2023

|  | Metres             |
|--|--------------------|
| Latest Weekly Mean (30/01/2023)  | 183.47 IGLD        |
| Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup> | -0.74 <sup>2</sup> |
| Compared to one year ago   | +0.30              |

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

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

<sup>2</sup> 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.