

## LRCA - Ontario Low Water Response Monthly Summary – March 2021

| Current Declared Low Water Condition<br>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:<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 – March 2021

| One Month Summary<br>March                     | One Month Actual (mm)   | Monthly Average (mm)     | Percentage | OLWR Condition |
|--|-------------------------|--------------------------|------------|----------------|
|  | 26.8                    | 42.2                     | 64         | Level I        |
| 3 Month Summary<br>January, February, March    | Three Month Actual (mm) | Three Month Average (mm) | Percentage | OLWR Condition |
|  | 48.8                    | 109.7                    | 44         | Level II       |
| 18 Month Summary<br>October 2019 to March 2021 | 18 Month Actual (mm)    | 18 Month Average (mm)    | Percentage | OLWR Condition |
|  | 773.5                   | 989                      | 78         | No Condition   |

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

### Flow Summary – March 2021

| Flow One Month Summary – Based on MNRF<br>Lowest Average Summer Flow           | Percentage of Actual Flow compared to Lowest Average Summer Flow for area gauged streams | OLWR Condition |
|--|--|----------------|
|  | 245  | No Condition   |
| Flow One Month Summary – Based on<br>Environment Canada Mean Monthly Discharge | Percentage of Actual Flow compared to Mean Monthly Flow for area gauged streams          | OLWR Condition |
|  | 469  | N/A            |

### OPG Kaministiquia River Summary

| Kam River Structure | In compliance with Water Management Plan | Status as of  |
|---------------------|--|---------------|
| Shebandowan Lake    | yes                                      | April 1, 2021 |
| Kashabowie Lake     | yes                                      | April 1, 2021 |
| Dog Lake            | yes                                      | April 1, 2021 |
| Kakabeka Falls      | yes                                      | April 1, 2021 |

### Lake Superior Summary – March 2020

|  | Metres             |
|--|--------------------|
| Latest Weekly Mean (29/03/2021)  | 183.41 IGLD        |
| Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup> | -0.80 <sup>2</sup> |
| Compared to one year ago   | -0.14              |

Source: <http://www.isdm-qdsi.gc.ca/isdm-qdsi/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.