

## LRCA - Ontario Low Water Response Monthly Summary – January 2016

|   |                      |
|---|----------------------|
| <b>Current Declared Low Water Condition</b><br><b>LRCA Area of Jurisdiction</b> | <b>Date Declared</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 2016

| One Month Summary           | One Month Actual (mm)       | Monthly Average (mm)         | Percentage        | OLWR Condition        |
|-----------------------------|-----------------------------|------------------------------|-------------------|-----------------------|
| January                     | 34.8                        | 39.8                         | 87                | <b>No Condition</b>   |
| <b>3 Month Summary</b>      |                             |                              |                   | <b>OLWR Condition</b> |
| November, December, January | 171.8                       | 137.7                        | 125               | <b>No Condition</b>   |
| <b>18 Month Summary</b>     | <b>18 Month Actual (mm)</b> | <b>18 Month Average (mm)</b> | <b>Percentage</b> | <b>OLWR Condition</b> |
| August 2014 to January 2016 | 933.72                      | 1089.9                       | 86                | <b>No Condition</b>   |

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

### Flow Summary – January 2016

| Flow One Month Summary – Based on MNR Lowest Average Summer Flow            | Percentage of Actual Flow compared to Lowest Average Summer Flow for area gauged streams | OLWR Condition      |
|---|--|---------------------|
|   | 255  | <b>No Condition</b> |
| 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      |
|   | 661  | n/a                 |

### OPG Kaministiquia River Summary

| Kam River Structure | In compliance with Water Management Plan | Status as of     |
|---------------------|--|------------------|
| Shebandowan Lake    | yes                                      | January 11, 2016 |
| Kashabowie Lake     | yes                                      | January 11, 2016 |
| Dog Lake            | yes                                      | January 11, 2016 |
| Kakabeka Falls      | yes                                      | January 11, 2016 |

### Lake Superior Summary – January 2016

|  | Metres             |
|--|--------------------|
| Monthly Mean Water Level   | 183.55 IGLD        |
| Water level (monthly mean) compared to 100 year flood level on Lake Superior | -0.66 <sup>2</sup> |
| Compared to one year ago   | +0.01              |

Source: <http://tides-marees.gc.ca/C&A/back-arrieres-eng.html>

Note: <sup>1</sup>100 Year Flood Level on Lake Superior in Thunder Bay is 183.9 masl geodetic  
<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