

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

<b>Current Declared Low Water Condition</b> <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: 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 – January 2021

One Month Summary January	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	5.9	39.8	15	<b>Level III</b>
3 Month Summary November, December, January	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	70.2	137.7	51	<b>Level II</b>
18 Month Summary August 2019 to January 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	902.2	1089.9	83	<b>No Condition</b>

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

### Flow Summary – January 2021

Flow One Month Summary – Based on MNRFLowest Average Summer Flow	Percentage of Actual Flow compared to Lowest Average Summer Flow for area gauged streams	OLWR Condition
	155	<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
	316	<b>N/A</b>

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### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	February 2, 2021
Kashabowie Lake	yes	February 2, 2021
Dog Lake	yes	February 2, 2021
Kakabeka Falls	yes	February 2, 2021

### Lake Superior Summary – January 2020

	Metres
Latest Weekly Mean (01/02/2021)	183.48 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.73 <sup>2</sup>
Compared to one year ago	-0.19

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.

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

<b>Current Declared Low Water Condition</b> <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: 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 – February 2021

<b>One Month Summary</b> February	<b>One Month Actual (mm)</b>	<b>Monthly Average (mm)</b>	<b>Percentage</b>	<b>OLWR Condition</b>
	16.1	27.7	58	<b>Level II</b>
<b>3 Month Summary</b> December, January, February	<b>Three Month Actual (mm)</b>	<b>Three Month Average (mm)</b>	<b>Percentage</b>	<b>OLWR Condition</b>
	64.1	109.7	58	<b>Level II</b>
<b>18 Month Summary</b> September 2019 to February 2021	<b>18 Month Actual (mm)</b>	<b>18 Month Average (mm)</b>	<b>Percentage</b>	<b>OLWR Condition</b>
	847.4	1030.8	82	<b>No Condition</b>

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

### Flow Summary – February 2021

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

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### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	March 2, 2021
Kashabowie Lake	yes	March 2, 2021
Dog Lake	yes	March 2, 2021
Kakabeka Falls	yes	March 2, 2021

### Lake Superior Summary – February 2020

	Metres
Latest Weekly Mean (01/03/2021)	183.42 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.79 <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.

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

<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: 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 – March 2021

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
March	26.8	42.2	64	Level I
3 Month Summary	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
January, February, March	48.8	109.7	44	Level II
18 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
October 2019 to March 2021	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 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 Environment Canada Mean Monthly Discharge	Percentage of Actual Flow compared to Mean Monthly Flow for area gauged streams	OLWR Condition
	469	N/A

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### 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-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.

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

<b>Current Declared Low Water Condition</b> <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: 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 – April 2021

One Month Summary April	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	82.9	52	160	No Condition
3 Month Summary February, March, April	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	125.8	121.9	103	No Condition
18 Month Summary November 2019 to April 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	759.5	981.7	77	Level I

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

### Flow Summary – April 2021

Flow One Month Summary – Based on MNRFLowest Average Summer Flow	Percentage of Actual Flow compared to Lowest Average Summer Flow for area gauged streams	OLWR Condition
	1274	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
	149	N/A

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	May 4, 2021
Kashabowie Lake	yes	May 4, 2021
Dog Lake	yes	May 4, 2021
Kakabeka Falls	yes	May 4, 2021

### Lake Superior Summary – April 2020

	Metres
Latest Weekly Mean (03/05/2021)	183.49 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.72 <sup>2</sup>
Compared to one year ago	-0.11

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.



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

<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: 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 – May 2021

One Month Summary May	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	57.2	70.7	81	No Condition
3 Month Summary March, April, May	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	167	164.9	101	No Condition
18 Month Summary December 2019 to May 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	775.3	996.7	78	Level I

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

### Flow Summary – May 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
	455	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
	59	N/A

### OPG Kaministiquia River Summary

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

### Lake Superior Summary – May 2021

	Metres
Latest Weekly Mean (31/05/2021)	183.52 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.69 <sup>2</sup>
Compared to one year ago	-0.14

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.

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

<b>Current Declared Low Water Condition</b> <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: 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 – June 2021

One Month Summary June	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	78.8	83.3	95	No Condition
3 Month Summary April, May, June	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	219.5	206	107	No Condition
18 Month Summary January 2020 to June 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	796.8	1037.8	77	Level I

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

### Flow Summary – June 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
	280	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
	81	N/A

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### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	July 2, 2021
Kashabowie Lake	yes	July 2, 2021
Dog Lake	yes	July 2, 2021
Kakabeka Falls	yes	July 2, 2021

### Lake Superior Summary – June 2021

	Metres
Latest Weekly Mean (28/06/2021)	183.57 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.64 <sup>2</sup>
Compared to one year ago	-0.15

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.



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

<b>Current Declared Low Water Condition</b> <b>LRCA Area of Jurisdiction</b>	<b>Date Declared</b>
Level I	July 29, 2021

### 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: 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 – July 2021

One Month Summary July	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	20.0	78.4	26	Level III
3 Month Summary May, June, July	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	156.6	232.4	67	Level I
18 Month Summary February 2020 to July 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	775.5	1076.4	72	Level I

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

### Flow Summary – July 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
	60	Level I
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
	15	N/A

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	August 3, 2021
Kashabowie Lake	yes	August 3, 2021
Dog Lake	yes	August 3, 2021
Kakabeka Falls	yes	August 3, 2021

### Lake Superior Summary – July 2021

	Metres
Latest Weekly Mean (02/08/2021)	183.55 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.66 <sup>2</sup>
Compared to one year ago	-0.22

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.

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

<b>Current Declared Low Water Condition</b> <b>LRCA Area of Jurisdiction</b>	<b>Date Declared</b>
Level II	September 2, 2021

### 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: 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 – August 2021

One Month Summary August	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	42.6	86.8	49	Level II
3 Month Summary June, July, August	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	141.5	248.5	57	Level II
18 Month Summary March 2020 to August 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	809.2	1135.5	71	Level I

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

### Flow Summary – August 2021

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
	22	Level III
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
	5	N/A

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### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	September 1, 2021
Kashabowie Lake	yes	September 1, 2021
Dog Lake	no	September 1, 2021
Kakabeka Falls	yes	September 1, 2021

### Lake Superior Summary – August 2021

	Metres
Latest Weekly Mean (30/08/2021)	183.51 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.70 <sup>2</sup>
Compared to one year ago	-0.29

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.



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

<b>Current Declared Low Water Condition</b> <b>LRCA Area of Jurisdiction</b>	<b>Date Declared</b>
Level II	September 2, 2021

### 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: 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 – September 2021

One Month Summary September	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	70.6	84	84	No Condition
3 Month Summary July, August, September	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	133.2	249.2	53.5	Level II
18 Month Summary April 2020 to September 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	853.8	1177.3	71	Level I

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

### Flow Summary – September 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
	38	Level II
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
	23	N/A

### OPG Kaministiquia River Summary

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

### Lake Superior Summary – September 2021

	Metres
Latest Weekly Mean (27/09/2021)	183.48 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.73 <sup>2</sup>
Compared to one year ago	-0.29

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.

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

<b>Current Declared Low Water Condition</b> <b>LRCA Area of Jurisdiction</b>	<b>Date Declared</b>
Level I	November 4, 2021

### 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: 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 – October 2021

One Month Summary October	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	53.7	59.3	91	No Condition
3 Month Summary August, September, October	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	166.9	230.1	73	Level I
18 Month Summary May 2020 to October 2021	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	896.8	1184.6	76	Level I

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

### Flow Summary – October 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
	116	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
	42	N/A

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### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	November 3, 2021
Kashabowie Lake	yes	November 3, 2021
Dog Lake	yes	November 3, 2021
Kakabeka Falls	yes	November 3, 2021

### Lake Superior Summary – October 2021

	Metres
Latest Weekly Mean (01/11/2021)	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	-0.30

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.

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

<b>Current Declared Low Water Condition</b> <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: 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 – November 2021

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
November	58.6	55.7	105	No Condition
3 Month Summary	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
September, October, November	182.9	199	92	No Condition
18 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
June 2020 to November 2021	921.2	1169.6	79	Level I

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

### Flow Summary – November 2021

Flow One Month Summary – Based on MNRFLowest Average Summer Flow	Percentage of Actual Flow compared to Lowest Average Summer Flow for area gauged streams	OLWR Condition
	202	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
	96	N/A

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### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	December 3, 2021
Kashabowie Lake	yes	December 3, 2021
Dog Lake	yes	December 3, 2021
Kakabeka Falls	yes	December 3, 2021

### Lake Superior Summary – November 2021

	Metres
Latest Weekly Mean (29/11/2021)	183.31 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.90 <sup>2</sup>
Compared to one year ago	-0.37

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.

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

<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: 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

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

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

### Flow Summary – December 2021

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

### 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 <sup>1</sup>	-0.96 <sup>2</sup>
Compared to one year ago	-0.34

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.