

## LRCA - Ontario Low Water Response Monthly Summary – January 2020

<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 2020

One Month Summary January	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	41.4	39.8	104	<b>No Condition</b>
3 Month Summary November, December, January	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	140.5	137.7	102	<b>No Condition</b>
18 Month Summary August 2018 to January 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	1136.7	1089.9	104	<b>No Condition</b>

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

### Flow Summary – January 2020

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
	250	<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
	488	<b>No Condition</b>

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	February 4, 2020
Kashabowie Lake	yes	February 4, 2020
Dog Lake	yes	February 4, 2020
Kakabeka Falls	yes	February 4, 2020

### Lake Superior Summary – January 2020

	Metres
Latest Weekly Mean (03/02/2020)	183.67 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.54 <sup>2</sup>
Compared to one year ago	+0.13

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 2020

<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
<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
	Other times: Monthly flow < 70% of the lowest average summer month flow	Other times: Monthly flow < 50% of the lowest average summer month flow

### Precipitation Summary – February 2020

One Month Summary February	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	8.9	27.7	32	<b>Level III</b>
3 Month Summary December, January, February	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	108.2	109.7	99	<b>No Condition</b>
18 Month Summary September 2018 to February 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	1086	1030.8	105	<b>No Condition</b>

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

### Flow Summary – February 2020

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
	172	<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
	535	<b>No Condition</b>

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	March 4, 2020
Kashabowie Lake	yes	March 4, 2020
Dog Lake	yes	March 4, 2020
Kakabeka Falls	yes	March 4, 2020

### Lake Superior Summary – February 2020

	Metres
Latest Weekly Mean (02/03/2020)	183.56 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.65 <sup>2</sup>
Compared to one year ago	+0.00

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 – March 2020

<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 – March 2020

One Month Summary March	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	25.7	42.2	61	<b>Level I</b>
3 Month Summary January, February, March	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	76	109.7	69	<b>Level I</b>
18 Month Summary October 2018 to March 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	1014.4	989	103	<b>No Condition</b>

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

### Flow Summary – March 2020

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
	178	<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
	314	<b>No Condition</b>

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	April 1, 2020
Kashabowie Lake	yes	April 1, 2020
Dog Lake	yes	April 1, 2020
Kakabeka Falls	yes	April 1, 2020

### Lake Superior Summary – March 2020

	Metres
Latest Weekly Mean (30/03/2020)	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	+0.00

Source: <http://www.isdm-qdsi.qc.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 – April 2020

<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
<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
	Other times: Monthly flow < 70% of the lowest average summer month flow	Other times: Monthly flow < 50% of the lowest average summer month flow

### Precipitation Summary – April 2020

One Month Summary April	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	10.6	52	20	<b>Level III</b>
3 Month Summary February, March, April	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	45.6	121.9	37	<b>Level III</b>
18 Month Summary November 2018 to April 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	917.2	981.7	93	<b>No Condition</b>

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

### Flow Summary – April 2020

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
	900	<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
	106	<b>No Condition</b>

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	May 5, 2020
Kashabowie Lake	yes	May 5, 2020
Dog Lake	yes	May 5, 2020
Kakabeka Falls	yes	May 5, 2020

### Lake Superior Summary – April 2020

	Metres
Latest Weekly Mean (27/04/2020)	183.60 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.61 <sup>2</sup>
Compared to one year ago	-0.05

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 2020

<b>Current Declared Low Water Condition</b> <b>LRCA Area of Jurisdiction</b>	<b>Date Declared</b>
Level I Low Water Condition	May 12, 2020

### 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 2020

One Month Summary May	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	34.2	70.7	48	Level II
3 Month Summary March, April, May	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	70.9	164.9	43	Level II
18 Month Summary December 2018 to May 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	894.6	996.7	90	No Condition

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

### Flow Summary – May 2020

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
	640	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
	75	No Condition

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	May 29, 2020
Kashabowie Lake	yes	May 29, 2020
Dog Lake	no	May 29, 2020
Kakabeka Falls	yes	May 29, 2020

### Lake Superior Summary – May 2020

	Metres
Latest Weekly Mean (25/05/2020)	183.64 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.57 <sup>2</sup>
Compared to one year ago	-0.16

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 – June 2020

<b>Current Declared Low Water Condition</b> <b>LRCA Area of Jurisdiction</b>	<b>Date Declared</b>
Level II Low Water Condition	June 1, 2020

### MNR Low Water Level Indicators

Level I	Level II	Level III
<b>Rain</b>	< 80% of the monthly average	< 60% 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
	Other times: Monthly flow < 70% of the lowest average summer month flow	Other times: Monthly flow < 50% of the lowest average summer month flow

### Precipitation Summary – June 2020

One Month Summary June	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	41.9	83.3	50	Level II
3 Month Summary April, May, June	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	86.8	206	42	Level II
18 Month Summary January 2019 to June 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	893.3	1037.8	86	No Condition

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

### Flow Summary – June 2020

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
	137	N/A
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
	37	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 3, 2020
Kashabowie Lake	yes	July 3, 2020
Dog Lake	no	July 3, 2020
Kakabeka Falls	yes	July 3, 2020

### Lake Superior Summary – June 2020

	Metres
Latest Weekly Mean (29/06/2020)	183.72 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.49 <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 – July 2020

<b>Current Declared Low Water Condition</b> <b>LRCA Area of Jurisdiction</b>	<b>Date Declared</b>
Level II Low Water Condition	July 1, 2020

### 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 2020

One Month Summary July	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	73.4	78.4	94	No Condition
3 Month Summary May, June, July	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	149.6	232.4	64	Level I
18 Month Summary February 2019 to July 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	928.6	1076.4	86	No Condition

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

### Flow Summary – July 2020

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
	54	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
	25	N/A

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	August 4, 2020
Kashabowie Lake	yes	August 4, 2020
Dog Lake	no	August 4, 2020
Kakabeka Falls	yes	August 4, 2020

### Lake Superior Summary – July 2020

	Metres
Latest Weekly Mean (03/08/2020)	183.77 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.44 <sup>2</sup>
Compared to one year ago	-0.08

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 2020

<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 – August 2020

One Month Summary August	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	93.2	86.8	107	No Condition
3 Month Summary June, July, August	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	208.5	248.5	84	No Condition
18 Month Summary March 2019 to August 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	1135.5	980.8	86	No Condition

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

### Flow Summary – August 2020

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
	98	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
	25	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, 2020
Kashabowie Lake	yes	September 1, 2020
Dog Lake	no	September 1, 2020
Kakabeka Falls	yes	September 1, 2020

### Lake Superior Summary – August 2020

	Metres
Latest Weekly Mean (31/08/2020)	183.80 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.41 <sup>2</sup>
Compared to one year ago	-0.02

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 2020

<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 – September 2020

One Month Summary September	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	57.6	84	69	<b>Level I</b>
3 Month Summary July, August, September	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	224.1	249.2	90	<b>No Condition</b>
18 Month Summary April 2019 to September 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	1004.7	1177.3	85	<b>No Condition</b>

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

### Flow Summary – September 2020

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
	69	<b>Level I</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
	44	<b>N/A</b>

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	October 2, 2020
Kashabowie Lake	yes	October 2, 2020
Dog Lake	yes	October 2, 2020
Kakabeka Falls	yes	October 2, 2020

### Lake Superior Summary – September 2020

	Metres
Latest Weekly Mean (28/09/2020)	183.77 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.44 <sup>2</sup>
Compared to one year ago	-0.10

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 – October 2020

<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 – October 2020

One Month Summary October	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	76.9	59.3	130	No Condition
3 Month Summary August, September, October	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	227.6	230.1	99	No Condition
18 Month Summary May 2019 to October 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	1020.2	1184.6	86	No Condition

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

### Flow Summary – October 2020

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
	160	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
	55	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 5, 2020
Kashabowie Lake	yes	November 5, 2020
Dog Lake	yes	November 5, 2020
Kakabeka Falls	yes	November 5, 2020

### Lake Superior Summary – October 2020

	Metres
Latest Weekly Mean (02/11/2020)	183.71 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.50 <sup>2</sup>
Compared to one year ago	-0.13

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 – November 2020

<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 2020

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
November	22.2	55.7	40	Level II
3 Month Summary	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
September, October, November	156.6	199	79	Level I
18 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
June 2019 to November 2020	996	1169.6	85	No Condition

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

### Flow Summary – November 2020

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
	137	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
	119	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 2, 2020
Kashabowie Lake	yes	December 2, 2020
Dog Lake	yes	December 2, 2020
Kakabeka Falls	yes	December 2, 2020

### Lake Superior Summary – November 2020

	Metres
Latest Weekly Mean (30/11/2020)	183.68 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.53 <sup>2</sup>
Compared to one year ago	-0.08

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 2020

<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 – December 2020

One Month Summary December	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
	42.1	42.2	100	No Condition
3 Month Summary October, November, December	Three Month Actual (mm)	Three Month Average (mm)	Percentage	OLWR Condition
	141.2	157.2	90	No Condition
18 Month Summary July 2019 to December 2020	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
	964.9	1128.5	86	No Condition

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

### Flow Summary – December 2020

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
	114	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
	108	N/A

### OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	January 11, 2021
Kashabowie Lake	yes	January 11, 2021
Dog Lake	yes	January 11, 2021
Kakabeka Falls	yes	January 11, 2021

### Lake Superior Summary – December 2020

	Metres
Latest Weekly Mean (04/01/2021)	183.59 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior <sup>1</sup>	-0.62 <sup>2</sup>
Compared to one year ago	-0.13

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.