

LRCA - Ontario Low Water Response Monthly Summary – January 2015

Current Declared Low Water Condition LRCA Area of Jurisdiction	Date Declared
No condition declared	

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: 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 2015

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
January	16.3	39.8	41	Level II
3 Month Summary				OLWR Condition
November, December, January	57.2	137.7	42	Level II
18 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
June 2013 to January 2015	820.6	1030.8	80	No condition

Note: Based on available gauge data at time of summary

Flow Summary – January 2015

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
	251	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
	575	No low water criteria

OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	February 2, 2015
Kashabowie Lake	yes	February 2, 2015
Dog Lake	yes	February 2, 2015
Kakabeka Falls	yes	February 2, 2015

Lake Superior Summary – Week ending February 2, 2015

Latest Weekly Mean	Metres above IGLD (1985)
Water level (weekly mean) compared to 100 year flood level on Lake Superior	-0.42
Compared to one year ago	+0.24

Note: 100 Year Flood Level on Lake Superior in Thunder Bay is 183.9 masl

LRCA - Ontario Low Water Response Monthly Summary – February 2015

Current Declared Low Water Condition LRCA Area of Jurisdiction	Date Declared
Level I Low Water Condition	February 12, 2015

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: 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 2015

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
February	27.7	27.7	100	No Condition
3 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
December, January, February	73.9	109.7	67	Level I
July 2013 to February 2015	848.3	1073.0	79	Level I

Note: Based on available gauge data at time of summary

Flow Summary – February 2015

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
	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
	N/A	

Note: Gauge flow data appears to be inaccurate due to frozen conditions.

OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	March 5, 2015
Kashabowie Lake	yes	March 5, 2015
Dog Lake	yes	March 5, 2015
Kakabeka Falls	yes	March 5, 2015

Lake Superior Summary – Week ending March 2, 2015

Latest Weekly Mean	Metres above IGLD (1985)
Water level (weekly mean) compared to 100 year flood level on Lake Superior	-0.47
Compared to one year ago	+0.20

Note: 100 Year Flood Level on Lake Superior in Thunder Bay is 183.9 masl

LRCA - Ontario Low Water Response Monthly Summary – April 2015

Current Declared Low Water Condition LRCA Area of Jurisdiction	Date Declared
Level I Low Water Condition	February 12, 2015

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: 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 2015

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
April	40.4	52	78	Level I
3 Month Summary February, March, April	90.6	121.9	74	Level I
18 Month Summary November 2013 to April 2015	18 Month Actual (mm) 790.3	18 Month Average (mm) 981.7	Percentage 80.5	OLWR Condition No Condition

Note: Based on available gauge data at time of summary

Flow Summary – April 2015

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
	1093	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
	124	n/a

OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	May 1, 2015
Kashabowie Lake	yes	May 1, 2015
Dog Lake	yes	May 1, 2015
Kakabeka Falls	yes	May 1, 2015

Lake Superior Summary – Week ending April 27, 2015

Latest Weekly Mean	Metres above IGLD (1985)
Water level (weekly mean) compared to 100 year flood level on Lake Superior	-0.44
Compared to one year ago	+0.17

Note: 100 Year Flood Level on Lake Superior in Thunder Bay is 183.9 masl

LRCA - Ontario Low Water Response Monthly Summary – March 2015

Current Declared Low Water Condition LRCA Area of Jurisdiction	Date Declared
Level I Low Water Condition	February 12, 2015

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: 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 2015

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
March	22.5	42.2	53	Level II
3 Month Summary				OLWR Condition
January, February, March	66.5	109.7	61	Level I
18 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
October 2013 to March 2015	791.9	1041.0	76	Level I

Note: Based on available gauge data at time of summary

Flow Summary – March 2015

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
	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
	N/A	

Note: Gauge flow data appears to be inaccurate due to frozen conditions.

OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	March 31, 2015
Kashabowie Lake	yes	March 31, 2015
Dog Lake	yes	March 31, 2015
Kakabeka Falls	yes	March 31, 2015

Lake Superior Summary – Week ending March 30, 2015

Latest Weekly Mean	Metres above IGLD (1985)
Water level (weekly mean) compared to 100 year flood level on Lake Superior	-0.49
Compared to one year ago	+0.19

Note: 100 Year Flood Level on Lake Superior in Thunder Bay is 183.9 masl

LRCA - Ontario Low Water Response Monthly Summary – May 2015

Current Declared Low Water Condition LRCA Area of Jurisdiction	Date Declared
Level I Low Water Condition	February 12, 2015

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: 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 2015

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
May	90.80	70.7	128	No Condition
3 Month Summary				OLWR Condition
March, April, May	153.7	164.9	93	No Condition
18 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
December 2013 to May 2015	856.89	996.70	85.9	No Condition

Note: Based on available gauge data at time of summary

Flow Summary – May 2015

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
	596	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
	67	n/a

OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	June 2, 2015
Kashabowie Lake	yes	June 2, 2015
Dog Lake	yes	June 2, 2015
Kakabeka Falls	yes	June 2, 2015

Lake Superior Summary – Week ending May 25, 2015

Latest Weekly Mean	Metres above IGLD (1985)
Water level (weekly mean) compared to 100 year flood level on Lake Superior	-0.36
Compared to one year ago	+0.02

Note: 100 Year Flood Level on Lake Superior in Thunder Bay is 183.9 masl

LRCA - Ontario Low Water Response Monthly Summary – November 2015

Current Declared Low Water Condition LRCA Area of Jurisdiction	Date Declared
Level I Low Water Condition	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: 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 2015

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
November	56.98	55.7	102	No Condition
3 Month Summary				OLWR Condition
September, October, November	192.2	199	97	No Condition
18 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
June 2014 to November 2015	1029.6	1169.6	88	No Condition

Note: Based on available gauge data at time of summary

Flow Summary – November 2015

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
	423	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
	213	n/a

OPG Kaministiquia River Summary

Kam River Structure	In compliance with Water Management Plan	Status as of
Shebandowan Lake	yes	December 9, 2015
Kashabowie Lake	yes	December 9, 2015
Dog Lake	yes	December 9, 2015
Kakabeka Falls	yes	December 9, 2015

Lake Superior Summary – Week ending December 12, 2015

	Metres
Latest Weekly Mean	183.57 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior ¹	-0.66 ²
Compared to one year ago	-0.04

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

Note: ¹100 Year Flood Level on Lake Superior in Thunder Bay is 183.9 masl geodetic
²Fisheries 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

LRCA - Ontario Low Water Response Monthly Summary – December 2015

Current Declared Low Water Condition LRCA Area of Jurisdiction	Date Declared
Level I Low Water Condition	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: 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 2015

One Month Summary	One Month Actual (mm)	Monthly Average (mm)	Percentage	OLWR Condition
December	80	42.2	190	No Condition
3 Month Summary	18 Month Actual (mm)	18 Month Average (mm)	Percentage	OLWR Condition
October, November, December	199.1	157.2	127	No Condition
July 2014 to December 2015	996.7	1128.5	88	No Condition

Note: Based on available gauge data at time of summary

Flow Summary – December 2015

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
	364	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
	331	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 – Week ending January 4, 2016

	Metres
Latest Weekly Mean	183.56 IGLD
Water level (weekly mean) compared to 100 year flood level on Lake Superior	-0.65 ²
Compared to one year ago	+0.02

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

Note: ¹100 Year Flood Level on Lake Superior in Thunder Bay is 183.9 masl geodetic
²Fisheries 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