

LEGEND - CURRENT DATA GRAPHS

PRECIPITATION



Actual data for year shown, plotted as quarter-month totals
(last quarter-month is usually incomplete)



Average - over the years 1986-2015

WATER LEVELS & FLOWS

Actual Data



Actual data for the dates shown
- levels are 1-day means plotted daily
- inflows are 7-day means plotted daily
- outflows are daily values



The most recent data is missing if the actual data line does not extend to this vertical line (on 12-month plots only)

Rule Curves (Namakan & Rainy Lakes)



IJC Upper & Lower Rule Curves



IJC Drought Line



IJC Upper Emergency Level



IJC "All Gates Open" Level

Statistical Data

50

Maximum level/flow recorded and its year of occurrence



Level/flow has been above this line 10% of time.



or



Normal level/flow range

- level/flow has been above this range 25% of time

- level/flow has been within this range 50% of time

- level/flow has been below this range 25% of time



Level/flow has been below this line 10% of time

77

Minimum level/flow recorded and its year of occurrence

All statistical levels are based on 3-day means at month quarter points.

All statistical flows are based on quarter-monthly means.

In general, percent data is based on the period 1986-2015, while maximums and minimums are based on each site's period of record up to 2015. For further information on specific periods used for individual sites, please see the following page.

Datums for water levels are:

- Lake St Joseph - GSC (1923 preliminary) datum
- Lac Seul - GSC (1923 preliminary) datum
- Lac La Croix - USC&GS (1912) datum
- Namakan Lake - USC&GS (1912) datum
- Rainy Lake - USC&GS (1912) datum
- Lake of the Woods - Lake of the Woods datum
- Winnipeg River in Ontario - GSC (1923 Bulletin) datum
- Winnipeg River in Manitoba - GSC datum

LEGEND - CURRENT DATA GRAPHS

WATER LEVELS & FLOWS

Statistical Data

Percent data is based on the period 1986-2015, except for the following:

- Raft Lake Level 1984-2015
- Raft Lake Outflow 1984-2015
- Rainy River Level Below Fort Frances 1988-2015

All maximum/minimum level and flow statistics end in 2015. Start dates for individual sites are provided in the following table.

Site	Minimum	Maximum
Lake St Joseph Level	1958	1958
Lac Seul Level	1935	1935
Ear Falls Tailwater Level	1958	1958
Manitou Falls Forebay Level	1958	1958
Lac La Croix Level	1921	1921
Namakan Lake Level	1949	1912
Rainy Lake Level	1949	1911
Rainy River Fort Frances Tailwater Level	1988	1988
Rainy River Manitou Rapids Level	1928	1928
Lake of the Woods Level	1927	1927
Winnipeg River Level Below Norman Dam	1958	1950
Winnipeg River Level at Minaki Winnipeg	1958	1950
River Outflow at Slave Falls Winnipeg	1927	1927
River Level at Nutimik Lake Winnipeg	1958	1958
River Outflow at Seven Sisters	1958	1958

PRECIPITATION

Data Sources

Precipitation data is from the Regional CaPA (Canadian Precipitation Analysis) Analysis of Environment and Climate Change Canada.

Precipitation averages are computed using station data from various sources as reported in the Database Report.