

INFORMATION BULLETIN AND WATER LEVEL FORECASTS ST. LAWRENCE SHIP CHANNEL

Forecasts as of :

19th December, 2022

Water levels will decrease in the short term and then increase followed by stabilization in the next few weeks. A decrease in water levels could occur in the long term due in large part to the management of upstream control structures which will favour the formation of stable ice covers.

Forecasted water levels [m above CD]

Stations	3 days	4 to 6 days	7 to 10 days	11 to 14 days	Week 3	Week 4
	(20/12-22/12)	(23/12-25/12)	(26/12-29/12)	(30/12-02/01)	(03/01-09/01)	(10/01-16/01)
Montreal #15520	▼ 0.49	0.99	1.12	1.39	1.57	1.52
	■ 0.27	0.29	0.54	0.48	0.52	0.44
	▲ 0.21	0.23	0.47	0.45	0.51	0.48
Sorel #15930	▼ 0.61	1.09	1.29	1.37	1.52	1.55
	■ 0.43	0.54	0.77	0.64	0.68	0.66
	▲ 0.38	0.49	0.70	0.62	0.67	0.67
Lac Saint-Pierre #15975	▼ 0.63	1.22	1.32	1.33	1.52	1.51
	■ 0.43	0.54	0.81	0.63	0.67	0.62
	▲ 0.38	0.48	0.74	0.60	0.65	0.63
Trois-Rivières #03360	▼ 0.66	1.27	1.37	1.29	1.45	1.45
	■ 0.49	0.54	0.81	0.61	0.65	0.53
	▲ 0.42	0.47	0.75	0.59	0.61	0.52

▼ Minimum water level forecast over the period for which there is a 15% probability of exceedance (PE 15 %).

■ Modeled minimum water level forecast over the period without uncertainties.

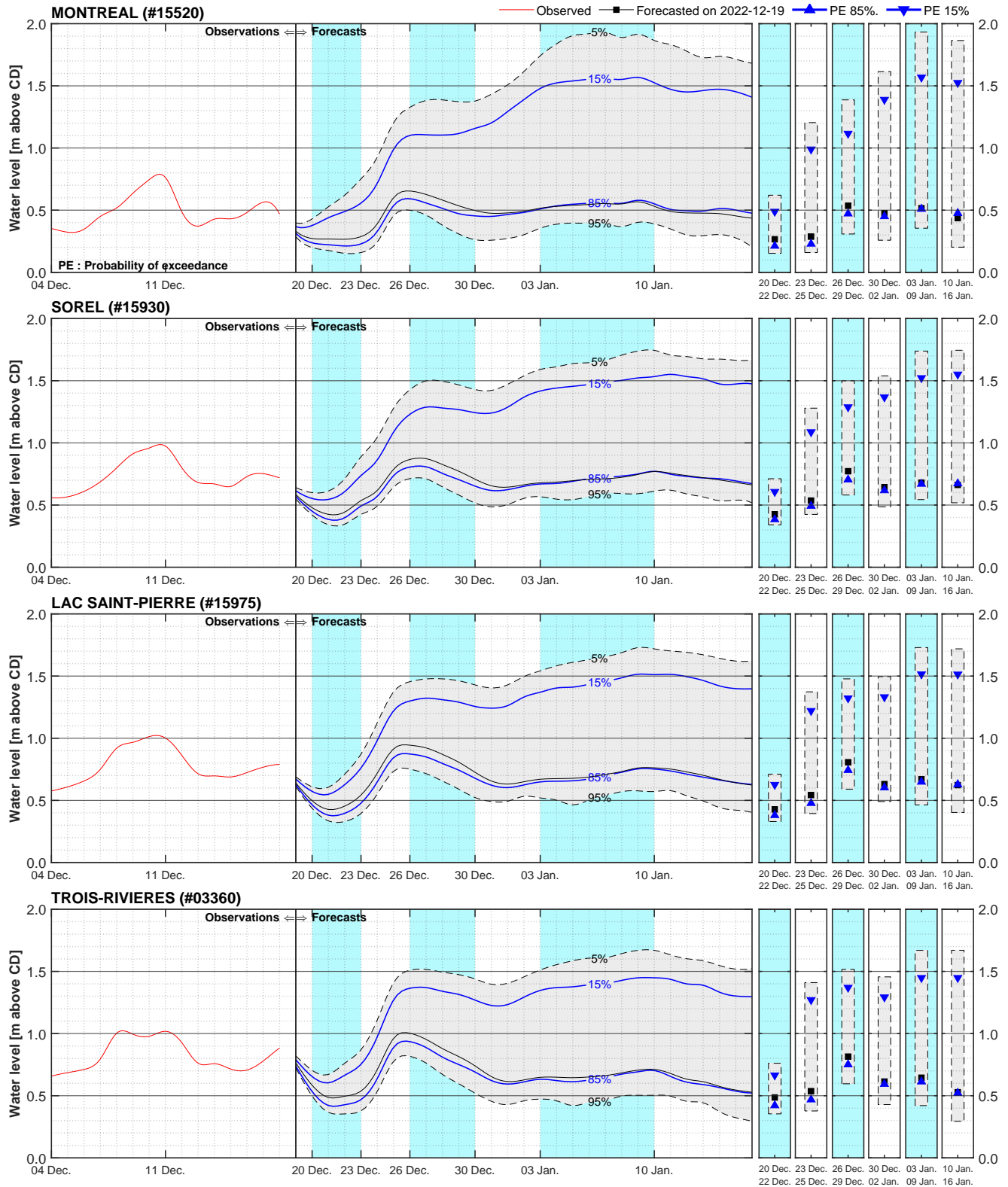
▲ Minimum water level forecast over the period for which there is a 85% probability of exceedance (PE 85 %).

□ Recommended value for planning purposes.

Notes :

- The water levels associated with the probabilities of exceedance shown in the table are calculated from historical errors between forecasted and observed water levels. As a guide, there is a probability of about 15% that future water levels will be below the forecasted water levels for which there is a 85% probability of exceedance.
- The data in this bulletin, released Monday and Thursday of each week, is produced by the Hydraulic Engineering Sector of the Canadian Coast Guard, Headquarters, to help Commercial Mariners plan their activities for the next 4 weeks.
- The Canadian Coast Guard makes no warranty on the information contained in this bulletin and assumes no responsibility for any loss or damage incurred as a result of the use of this information.
- Hydro-meteorological factors can influence future water levels. The master of the vessel or the officer on duty is responsible for the safety of the vessel at all times.
- It is the responsibility of the maritime industry to maintain a sufficient safety margin in relation to these forecasts.
- The presence of ice could induce large variations in water levels. The water levels forecast in this bulletin do not take into account the potential variations resulting from the presence and possible management of this ice.

Observed and forecasted daily minimum water levels^a



^aWater level modeled from available hydro-meteorological data (observed and forecast).

Relevant current information

Lake Saint-Louis Outflows [m³/s]

	Current year	Historical mean ^b (1900-2020)
Last week	720	
Current week	740	

Ottawa River at Carillon Dam Outflows [m³/s]

	Current year	Historical mean ^b (1963-2020)
Last week	2050	2075
Current week	2030	1990

For more information, contact the Waterways Division at:

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^bAs published by [International Lake Ontario - St. Lawrence River Board](#)