

## ST. LAWRENCE SHIP CHANNEL WATER LEVEL FORECASTS AND INFORMATION BULLETIN

Forecasts as of : **December 20, 2019**

Sector	Expected lowest water level above chart datum					
	3 days	4 to 6 days	7 to 10 days	11 to 14 days	Week 3	Week 4
	(21/12 - 23/12)	(24/12 - 26/12)	(27/12 - 30/12)	(31/12 - 03/01)	(04/01 - 10/01)	(11/01 - 17/01)
Montreal	0.70m	0.75m	0.9m	0.2m	0.0m	0.1m
Sorel	0.85m	0.85m	1.1m	0.6m	0.4m	0.5m
Lac Saint-Pierre	0.85m	0.85m	1.1m	0.6m	0.3m	0.6m
Trois-Rivieres	0.85m	0.90m	1.1m	0.6m	0.3m	0.5m

### Notes :

1. These forecasts give the expected minimum water levels above chart datum at the indicated locations and at the specified times to assist commercial shipping in short term planning of operations (1 to 4 weeks).
2. This bulletin is produced by the Hydraulic Engineering sector, CCG, Headquarters on Monday and Thursday of each week.
3. The Canadian Coast Guard provides no guaranties on water levels and assumes no responsibilities relative to damages or losses resulting from the use of this information.
4. It should be clearly understood that this information is a forecast of water levels which may be altered by short term hydrometeorological factors. The vessel master or officer-in-charge has the ultimate responsibility for the vessel safety at all times.
5. The maritime industry has the responsibility of adding a sufficient safety margin to these forecasts. Hydrodynamic phenomena can influence water levels observed at gauging stations used by MCTS, especially during low water periods.
6. Ice jams management could induce important variations in the water levels. The water level forecasts within this bulletin do not take into account the potential variations resulting from ice jam management.

### Comments :

1. Short-term decrease in water levels due to planned management of upstream regulation works. Water levels are expected to rise early next week. A second decrease in water levels is expected in the medium term due to the planned management of upstream regulation structures which will help the formation of stable ice covers.
2. Uncertainties on expected lowest water levels can be provided on demand.

## Pertinent current information

### 1. Lake Ontario :

	Weekly average water level		Outflow at the Moses-Saunders dam	
	Level (m)	Difference from previous week	Outflow (m <sup>3</sup> /s)	Difference from previous week
Last week	74.97	-0.01	8830	-20 (0%)
Current	75.01	0.04	8820	-10 (0%)

### 2. Ottawa river outflow :

	Total outflow at the Carillon dam		Outflow into Lake St. Louis	
	Outflow (m <sup>3</sup> /s)	Difference from previous week	Outflow (m <sup>3</sup> /s)	Difference from previous week
Last week	1710	-170 (-9%)	520	-60 (-10%)
Current	1960	250 (15%)	630	110 (21%)

Additional information may be obtained from :

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Central and Arctic Region

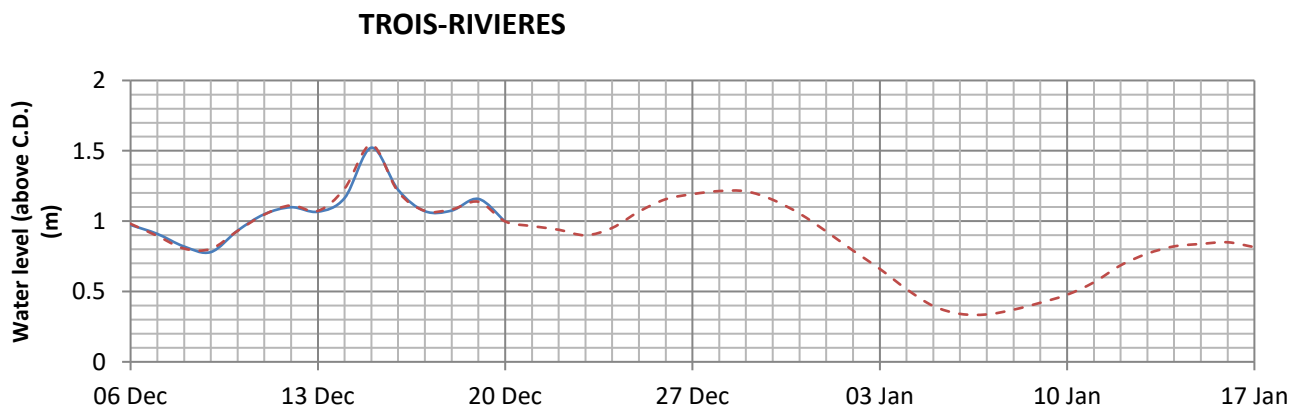
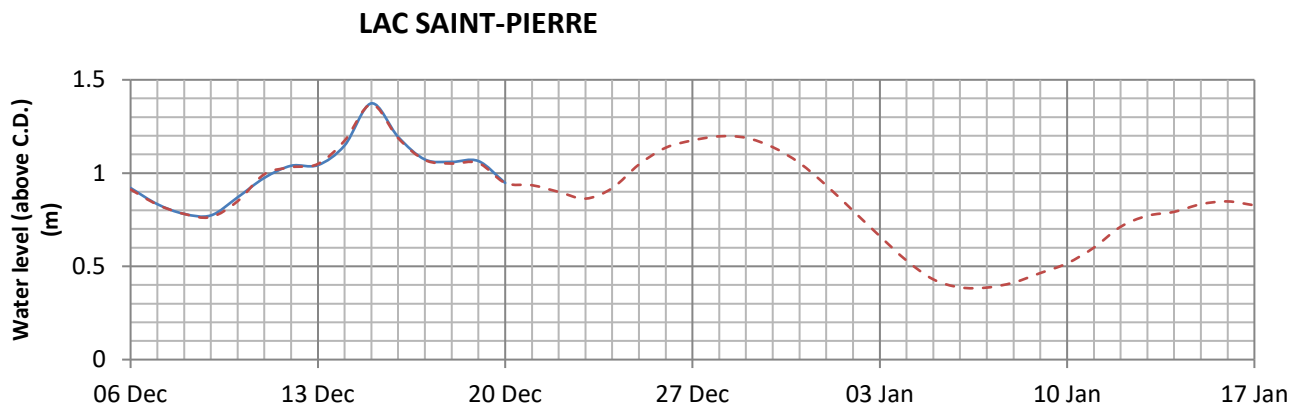
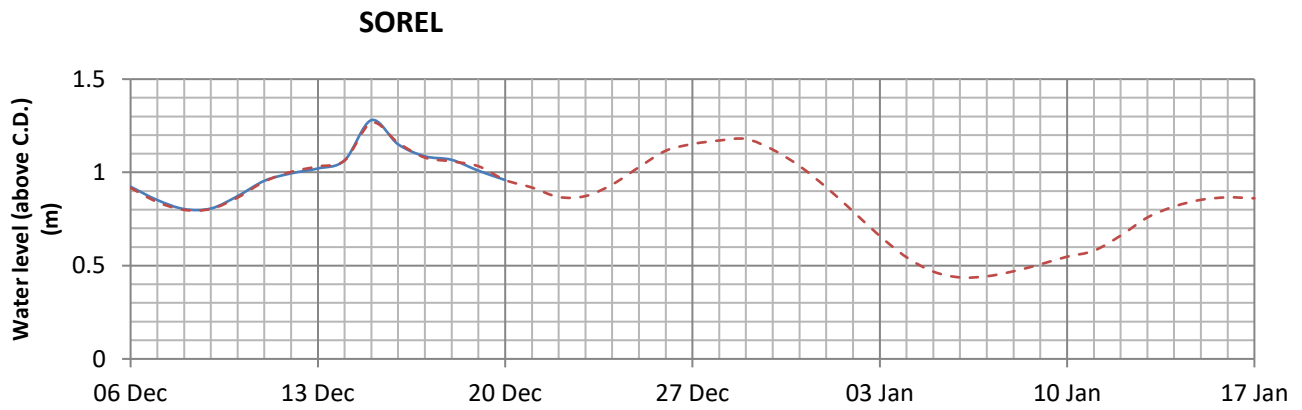
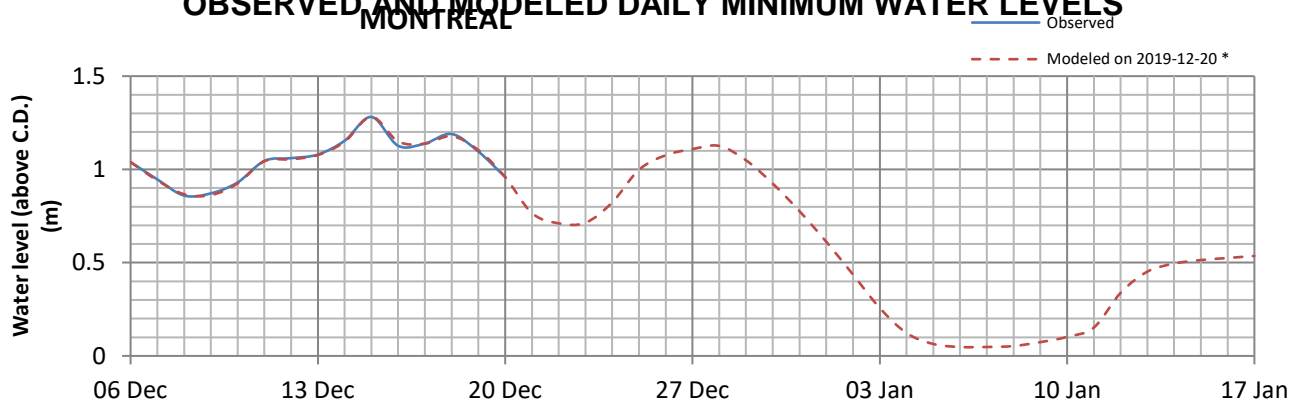
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This bulletin is also available on internet :

<http://www.marinfo.gc.ca/en/Niveaux/Index.php>

# OBSERVED AND MODELED DAILY MINIMUM WATER LEVELS



\* Water level modeled with available measured data and expected data