

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

Forecasts as of :

3<sup>rd</sup> October, 2022

Decrease in water levels following recent upstream regulation events. A decrease of water levels is to be expected due to a 72-hour flow cut at upstream control structures from the 7 to the 10 of October in order to assist with lake Saint-Lawrence boat haul-out.

### 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        |
|---|---------------|---------------|---------------|---------------|---------------|---------------|
|   | (04/10-06/10) | (07/10-09/10) | (10/10-13/10) | (14/10-17/10) | (18/10-24/10) | (25/10-31/10) |
| <b>Montreal</b><br><a href="#">#15520</a>         | ▼ 0.36        | 0.38          | 0.43          | 0.45          | 0.44          | 0.70          |
|   | ■ 0.24        | 0.00          | -0.02         | 0.00          | -0.08         | 0.08          |
|   | ▲ 0.17        | -0.11         | -0.12         | -0.11         | -0.19         | -0.02         |
| <b>Sorel</b><br><a href="#">#15930</a>            | ▼ 0.46        | 0.49          | 0.71          | 0.72          | 0.72          | 1.01          |
|   | ■ 0.33        | 0.34          | 0.34          | 0.21          | 0.08          | 0.37          |
|   | ▲ 0.27        | 0.25          | 0.25          | 0.13          | 0.02          | 0.31          |
| <b>Lac Saint-Pierre</b><br><a href="#">#15975</a> | ▼ 0.46        | 0.55          | 0.78          | 0.77          | 0.75          | 1.08          |
|   | ■ 0.29        | 0.32          | 0.37          | 0.19          | 0.05          | 0.39          |
|   | ▲ 0.23        | 0.26          | 0.28          | 0.13          | 0.00          | 0.36          |
| <b>Trois-Rivières</b><br><a href="#">#03360</a>   | ▼ 0.48        | 0.58          | 0.83          | 0.82          | 0.82          | 1.16          |
|   | ■ 0.30        | 0.32          | 0.42          | 0.18          | 0.04          | 0.43          |
|   | ▲ 0.23        | 0.25          | 0.33          | 0.12          | -0.01         | 0.40          |

▼ 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.

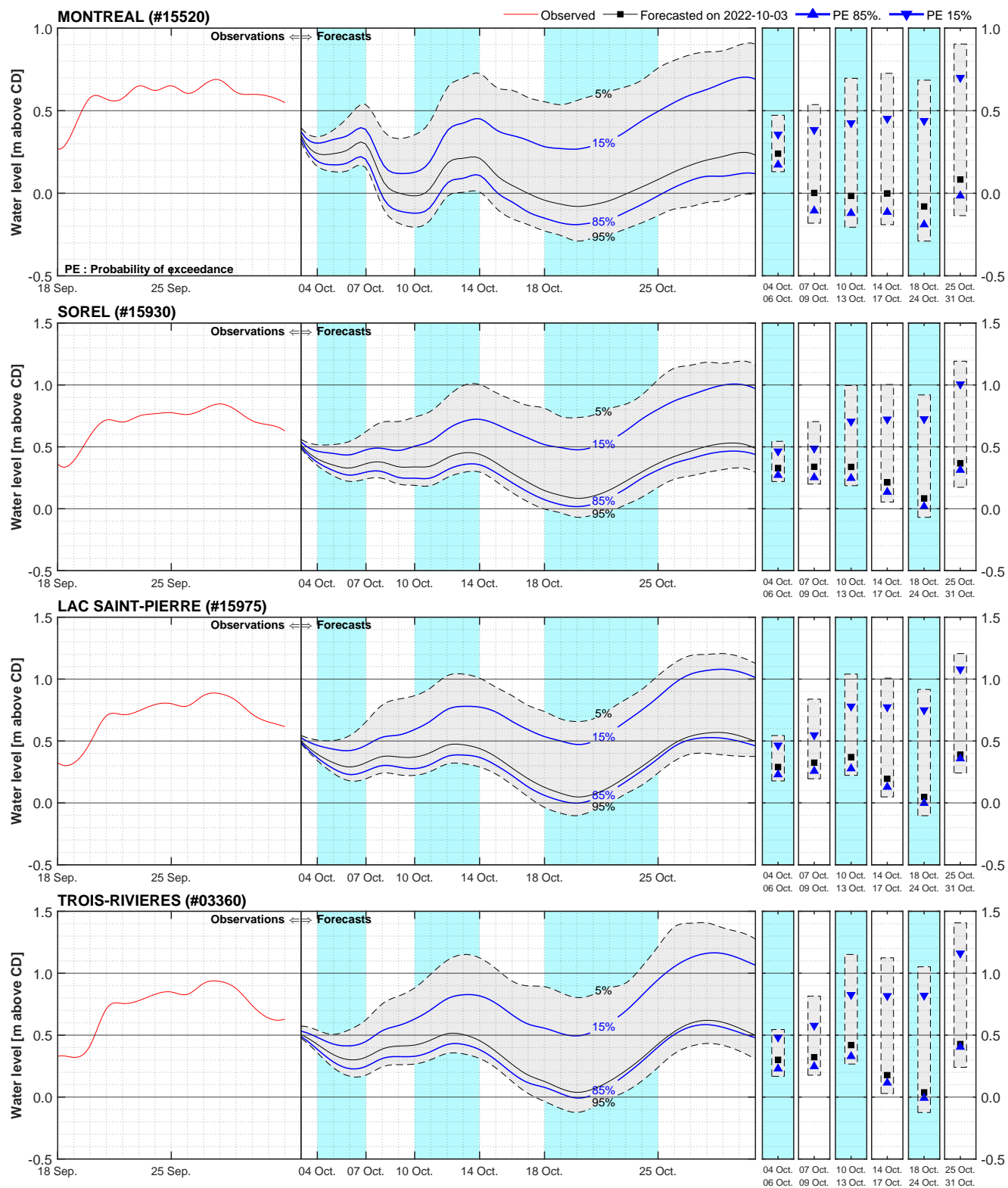
▲ Minimum water level forecast over the period for which there is a 85% probability of exceedance (PE 85 %).

□ 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<sup>a</sup>



<sup>a</sup>Water level modeled from available hydro-meteorological data (observed and forecast).

## Relevant current information

### Lake Saint-Louis Outflows [m<sup>3</sup>/s]

|              | Current year | Historical mean <sup>b</sup> (1900-2020) |
|--------------|--------------|--|
| Last week    | 417          |  |
| Current week | 614          |  |

### Ottawa River at Carillon Dam Outflows [m<sup>3</sup>/s]

|              | Current year | Historical mean <sup>b</sup> (1963-2020) |
|--------------|--------------|--|
| Last week    | 1220         | 1090                                     |
| Current week | 1760         | 1167                                     |

For more information, contact the Waterways Division at:

[MPO.GCC.NiveauxEauSL-CCG.WaterLevelSL.DFO@dfo-mpo.gc.ca](mailto:MPO.GCC.NiveauxEauSL-CCG.WaterLevelSL.DFO@dfo-mpo.gc.ca)

<sup>b</sup>As published by [International Lake Ontario - St. Lawrence River Board](#)