

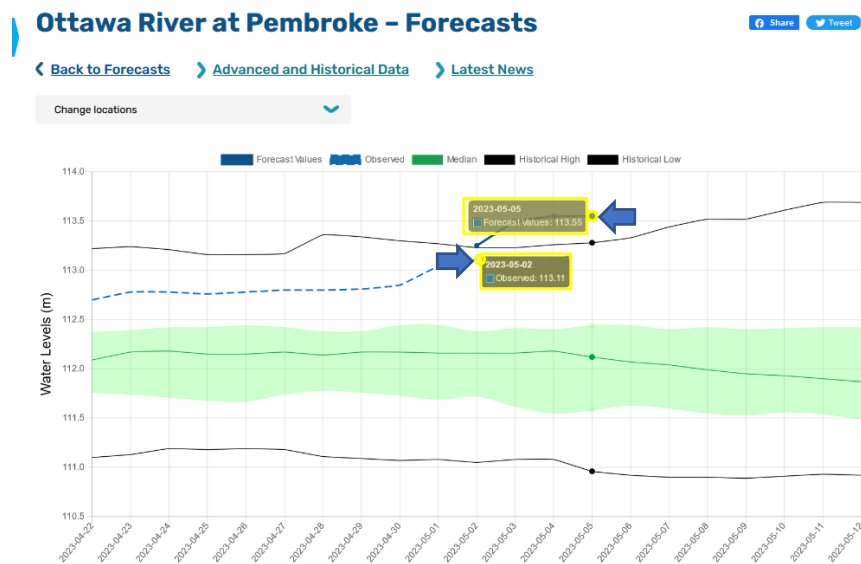
Using Forecast Data

Map Method

The [Forecasts](#) page contains a map showing locations where water level forecasts are available. Clicking a location will show a graph with observed levels as a blue dashed line and the 4-day forecasted data as a solid blue line. The historical highs and lows as well as median water levels are also displayed.

To calculate the forecasted water level rise at a given location hover your cursor over the date of the forecast you wish to use to see the forecasted water level. In the below example the May 5th level forecast at Pembroke is 113.55 m. The current water level can be seen by hovering your cursor over the end of the dashed observed line. A popup window will display the observed value. In this case, on May 2nd the latest observed level is 113.11 m. The expected level increase can be calculated as:

$$113.55 \text{ m} - 113.11 \text{ m} = 0.44 \text{ m (or 44 cm) between May 2}^{\text{nd}} \text{ and May 5}^{\text{th}}.$$



If the level on a different date is required, hover your cursor over the point on the line for the required date.

Table Method

The forecasted change in level can also be calculated using the table located below the map on the [Forecasts page](#) and the table on the [Current Conditions](#) page. The Forecast table shows the forecast locations in the furthest left column followed by the type of value (level or flow) then forecasted values for the end of the current day at 11:59 pm and for the next three days.

The Current Conditions table lists locations on the left followed by columns of recent observed data as of 11:59pm on the listed date. The rightmost column presents the most recent observation for 'today'.

To calculate the forecasted water level rise at a given location, select the gauge location in which you are interested on the Forecast table and the highest forecast value. On the Current Conditions table, read the level value from the day you wish to use as your starting reference (usually the most recent observation in the rightmost column). Subtract the forecasted value from the reference value to determine the forecasted change in level at that location.

The following example calculates the forecasted level change at Chats Lake at Arnprior between May 2nd and May 5th. The tables are highlighted to demonstrate which values were used:

The starting level at Chats Lake at Arnprior is 75.57 m on May 2nd and the forecasted value for May 5th is 75.80 m. The forecasted level change can be calculated as:

$$75.80 \text{ m} - 75.57 \text{ m} = 0.23 \text{ m between May 2}^{\text{nd}} \text{ and May 5}^{\text{th}}.$$

River Levels and Flows

Water levels at 24:00h in metres	2023-04-27	2023-04-28	2023-04-29	2023-04-30	2023-05-01	2023-05-02	2023-05-03	2023-05-04
OTTO HOLDEN GENERATING STATION Graph View and Advanced Data Agency: OPG	177.32	177.29	177.30	177.33	177.22	177.16	177.06	177.07
MATTAWA Graph View and Advanced Data Agency: WSC	153.78	153.91	153.84	153.99	154.43	154.69	154.56	154.53
DES JOACHIMS GENERATING STATION Graph View and Advanced Data Agency: OPG	150.66	150.66	150.66	150.69	150.67	150.67	150.67	150.67
PEMBROKE Graph View and Advanced Data Agency: OPG	112.80	112.80	112.81	112.85	113.04	113.23	113.31	113.30
LAKE COULONGE AT FORT-COULONGE Graph View and Advanced Data Agency: HQ	108.03	108.02	107.99	107.99	108.15	108.40	108.49	108.72
CHENAUX GENERATING STATION Graph View and Advanced Data Agency: OPG	85.56	85.54	85.51	85.52	85.62	85.67	85.61	85.51
CHATS LAKE AT ARNPRIOR Graph View and Advanced Data Agency: OPG	75.29	75.28	75.27	75.30	75.48	75.57	75.74	75.78
LAKE DESCHENES AT BRITANNIA (OTTAWA) Graph View and Advanced Data Agency: WSC	59.84	59.82	59.79	59.81	59.98	60.05	60.16	60.21
GATINEAU (HULL) Graph View and Advanced Data Agency: HQ	43.72	43.70	43.71	43.81	44.16	44.33	44.40	44.55
THURSO Graph View and Advanced Data Agency: HQ	42.48	42.45	42.45	42.55	42.83	43.00	43.04	43.14
ORENVILLE Graph View and Advanced Data Agency: HQ	41.88	41.85	41.81	41.75	42.14	42.28	42.29	42.37
CARILLON GENERATING STATION Graph View and Advanced Data Agency: HQ	40.50	40.50	40.49	40.49	40.52	40.52	40.52	40.50

Forecast Values

Location	Type of value	2023-05-03 (Forecast)	2023-05-04 (Forecast)	2023-05-05 (Forecast)	2023-05-06 (Forecast)
OTTAWA RIVER AT TEMISCAMING Graph View	Flow (m ³ /s)	2350	2400	2400	2400
OTTAWA RIVER AT MATTAWA Graph View	Level (m)	154.85	154.85	154.75	154.70
OTTAWA RIVER AT PEMBROKE Graph View	Level (m)	113.40	113.40	113.35	113.30
LAKE COULONGE AT FORT-COULONGE Graph View	Level (m)	108.65	108.75	108.75	108.70
CHATS LAKE AT ARNPRIOR Graph View	Level (m)	75.70	75.80	75.80	75.75
LAKE DESCHENES AT BRITANNIA Graph View	Level (m)	60.10	60.20	60.30	60.25
	Flow (m ³ /s)	4550	4800	5050	4925
OTTAWA RIVER AT CARILLON Graph View	Flow (m ³ /s)	7600	7650	7600	7600

Disclaimer: These forecasts are based on estimated weather data and on estimated effects of the quantity of runoff flowing into the streams. The forecasts will vary with rainfall amounts, temperatures and actual amounts of runoff. For example, if more rain falls than was expected, levels can increase beyond the forecast for a given day and location. Level forecasts can only be provided at the locations indicated. If levels in your area have previously increased more than the forecasted amounts, please take this into consideration and add an appropriate safety margin to your calculations.