

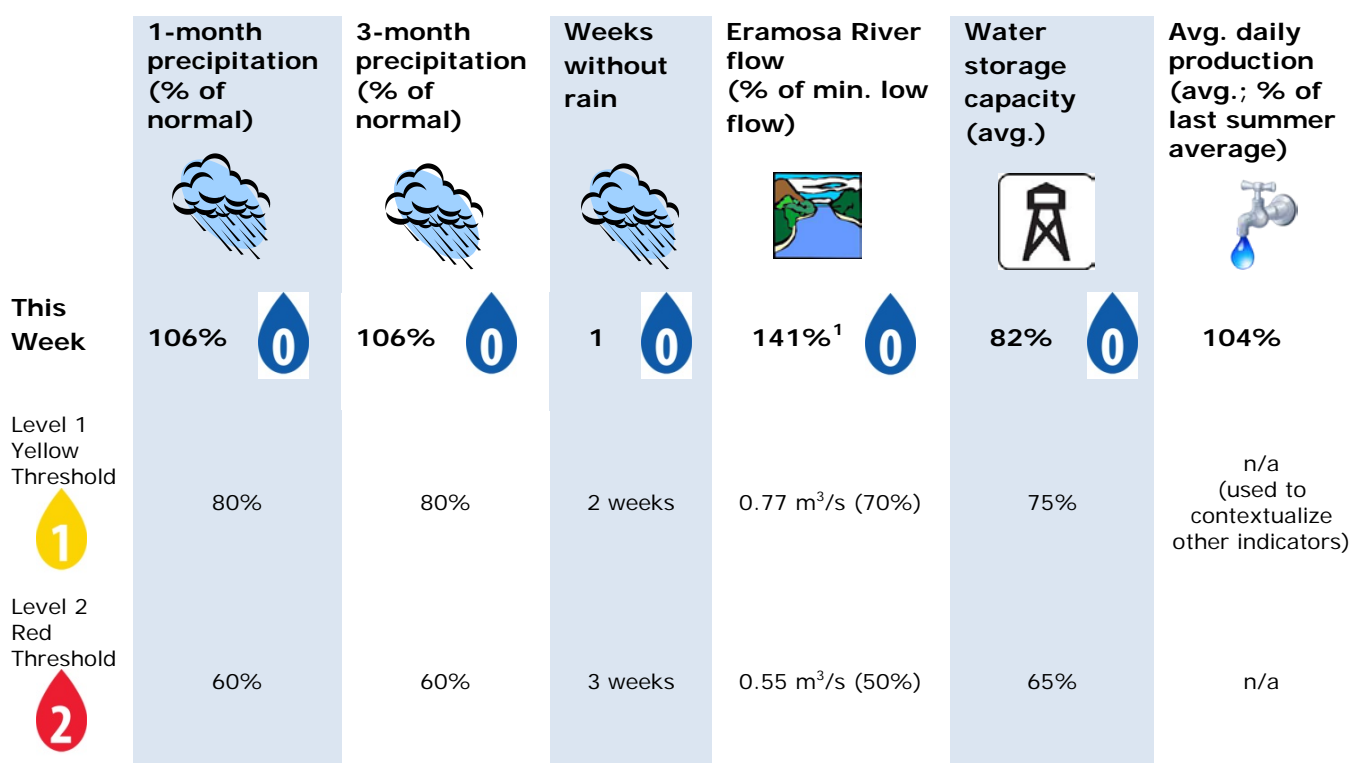
# LEVEL 0 BLUE CAREFUL USE

## Summary

The current Outside Water Use Program (OWUP) level is **Level 0 Blue – Careful Use**. Blue indicates there are no serious storage, rainfall or stream flow issues.

- One month precipitation is 6 percent above normal.
- Three month precipitation is 6 percent above normal.
- The Eramosa River flow is currently above normal.
- Last significant rainfall event occurred on June 29<sup>th</sup> 2017 with precipitation levels of 11 mm
- A Precipitation event is forecasted for Thursday, Friday and Sunday with average temperatures in the high-twenties and a low of 15°C.
- The average daily water production for the past week was 48 293m<sup>3</sup>.

## Current status of Outside Water Use Program indicators (July 5– July 11, 2017)



<sup>1</sup> Eramosa River Flow rate – taken July 12<sup>th</sup>, 2017

## Temperature

Average temperatures are being predicted for the remainder of the week, with a high of 26°C for the rest of the week and the upcoming week temperatures rising to 28°C.

Environment Canada predicts normal temperatures for the Guelph area for June through to August.

[\(Seasonal Forecast - Environment Canada\)](#)








## Precipitation

In the previous two weeks there was one significant precipitation event that occurred on June 29<sup>th</sup>.

In the upcoming seven day forecast precipitation events are being predicted for Friday July 7<sup>th</sup>.

Total precipitation for January and February was above average, with February seeing 15mm of precipitation above average. March had lower than normal precipitation amounts. Normal amounts of precipitation, relative to the average, are being predicted by Environment Canada for June through to July 2017. [\(Seasonal Forecast – Environment Canada\)](#)

## Upcoming forecast for Guelph:

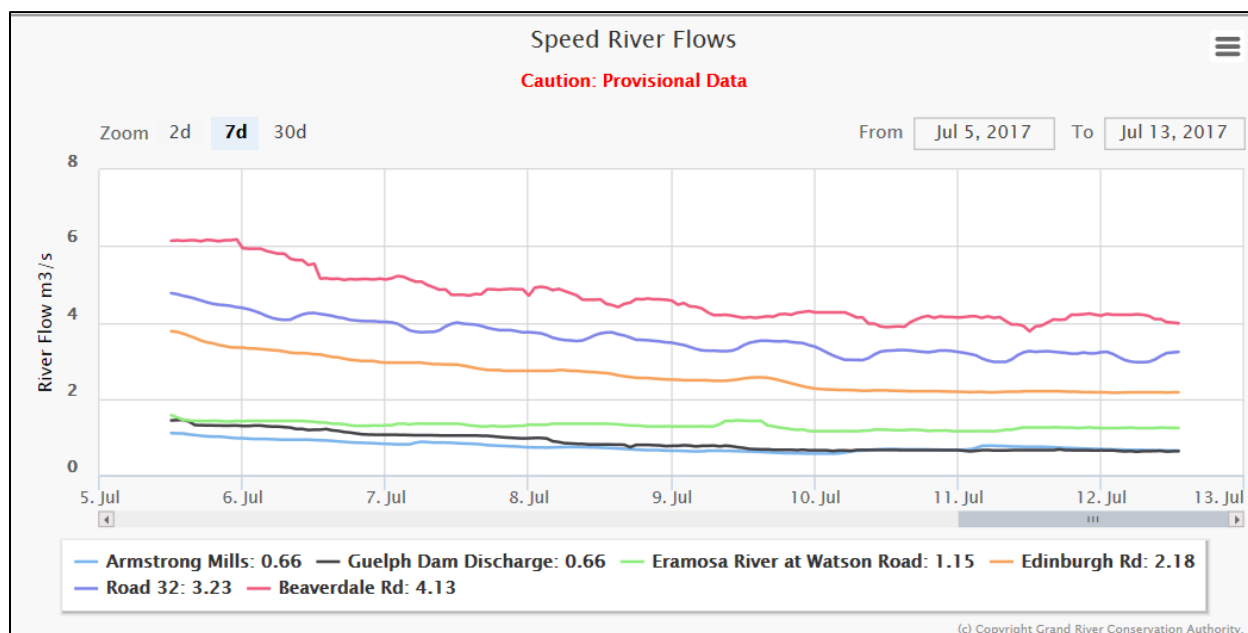
<b>Wed 12 Jul</b>	<b>Thu 13 Jul</b>	<b>Fri 14 Jul</b>	<b>Sat 15 Jul</b>	<b>Sun 16 Jul</b>	<b>Mon 17 Jul</b>	<b>Tue 18 Jul</b>
						
<b>28°C</b>	<b>23°C</b>	<b>24°C</b>	<b>26°C</b>	<b>25°C</b>	<b>25°C</b>	<b>28°C</b>
40%	40%	30%		30%		
Chance of showers	Chance of showers	Chance of showers	A mix of sun and cloud	Chance of showers	A mix of sun and cloud	A mix of sun and cloud

<b>Monthly Precipitation &amp; Production Analysis</b>						
	<b>Precipitation (mm)</b>				<b>Production (m<sup>3</sup>)</b>	
<b>Month</b>	<b>1-month precipitation</b>	<b>% of normal</b>	<b>3-month precipitation</b>	<b>% of normal</b>	<b>Average daily 2017</b>	<b>Average daily 2016</b>
January	70.5	● 107%	146.5	● 65%	45,030	45,610
February	91.8	● 167%	153.4	● 80%	46,103	47,073
March	43.8	● 72%	206.0	● 113%	46,632	46,725
April	130.0	● 174%	265.5	● 139%	45,707	47,588
May	94.6	● 115%	268.4	● 123%	44,935	48,430
June	87.6	● 106%	312.4	● 131%	47,315	51,482

Current to July 12<sup>th</sup>, 2017

## Eramosa River Flows

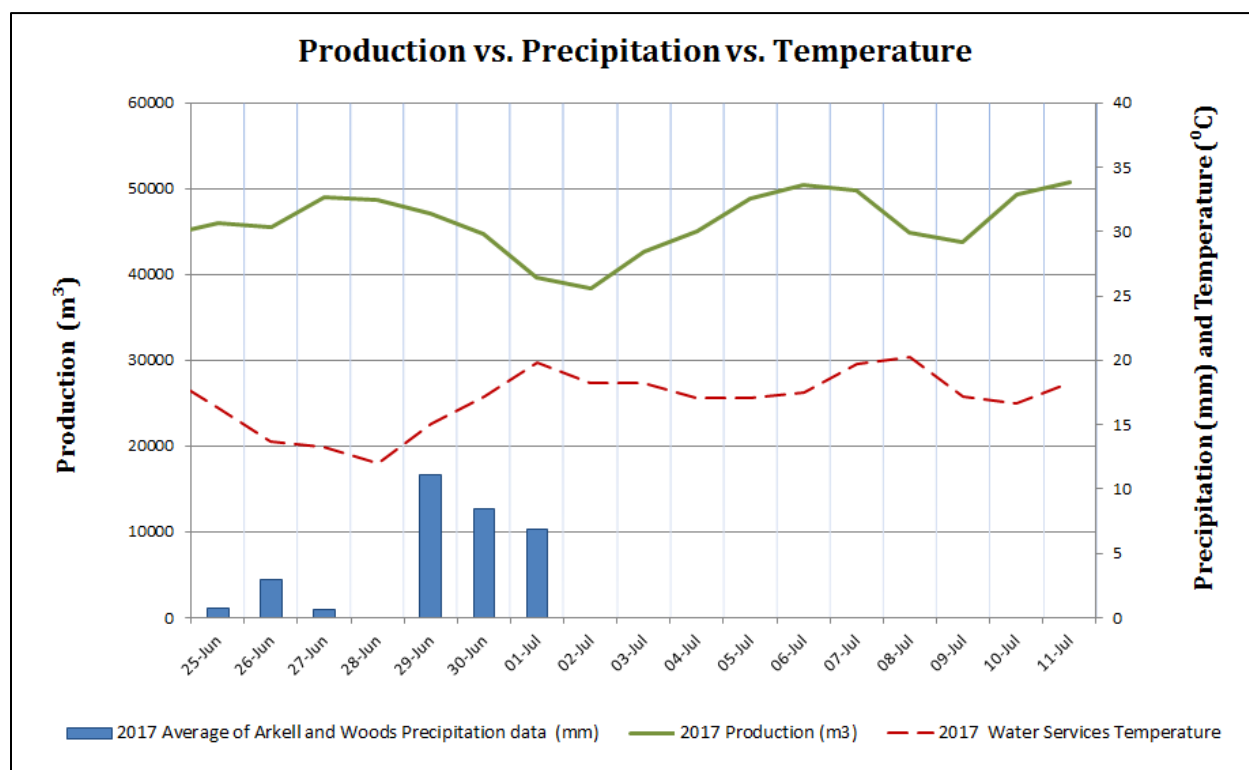
River levels and flows are monitored regularly as they can change dramatically after heavy rainfalls or snowmelts, or during periods of severe dry weather. The information gathered from observing these conditions is used to inform water management decisions, such as OWUP restrictions. To ensure the Eramosa River remains healthy, the City of Guelph's Outdoor Water Use Bylaw states that water can no longer be collected from the Eramosa River when the flow of the River falls below 0.43 m<sup>3</sup>/s. For more information about local river flows and water levels visit [grandriver.ca](http://grandriver.ca).



Flow rate taken on July 12<sup>th</sup>

## Municipal Water Production

To date in 2017, the highest (or peak) observed daily water production has been 54,188 (March 24, 2017), which is lower than the highest peak production day in 2016 of 56,364m<sup>3</sup> (July 5, 2016).



### ABOUT THIS REPORT

This report contains information on climatic conditions and river flows within the Eramosa sub-watershed of the Grand River Watershed, as well as information on municipal water production in the City of Guelph. These indicators are used to determine the current Outside Water Use Program level, and the need for municipal watering restrictions.

The data reported herein has been obtained from Environment Canada and the Grand River Conservation Authority, and summarized by City of Guelph staff.

This information is reported on a weekly basis during the summer months in order to keep residents informed of the conditions that affect Guelph's municipal water supply and the Outside Water Use Program.

**For more information on Guelph's Outside Water Use Program, visit [guelph.ca/ourstoconserve](http://guelph.ca/ourstoconserve), or call 519-822-1260 x 2153**