

## E.D. Soulis Memorial Weather Station Summary – July 2023

### **A very wet July with average temperatures**

The people have spoken! Around 80% of the people who responded thought we should start to use the 25 years of data from the Soulis Weather Station rather than waiting for the updated 30 year averages from Environment and Climate Change Canada. More details on the differences of making this change will come later, but for right now let's just concentrate on the changes for this month.

Apart from a few days over 30°C at the beginning of the month and one at the end, most of the rest of the month were consistently in the high 20s. Here we have the first consequence of the change of the averages, using the old averages it would have been a bit less than degree warmer than average. However, with the new averages this goes down to only 0.1 degrees, which is now within the average range.

It was a consistently wet month with 4 days over 20 mm of rain, resulting in a total of 159.2 mm. This is well above the average of 78.2 mm (it would have also been well above the previous average of 98.6 mm) and quite the contrast to last year when we only got 18.7 mm. It was also the wettest July since 2014 and in the top 10 in the history of weather records in the region.

The very wet month put the total for the year of 635.6 mm well above the average of 459.3 mm (the previous average for this time of year was 509.0 mm).

Summary for July 2023:

Maximum Temperature 32.0°C

Minimum Temperature 10.7°C

Average Daily High Temperature 26.5°C (Long term average 26.5°C)

Average Daily Low Temperature 15.1°C (Long term average 14.8°C)

Total Precipitation 159.2 mm (Long term average 78.2 mm)

(Long term averages based on 1998-2022 data from the Soulis Memorial Weather Station at the University of Waterloo)