

University of Waterloo Weather Station Summary - July 2010

A very hot July that was also very wet

It was very hot for the first week of the month and then it was just a bit hot for the rest. Overall it was a full 2 degrees above average and about 4 degrees hotter than what we saw last year in July.

The high temperature of 33.1 °C on the 5th was the warmest day since August 1st of 2007 and the 5 days in a row of temperatures over 30 (from the fourth to the eighth) was the first time that happened since 2005. On the night of the 5th (morning of 6th) the temperature only got down to 21.9 °C making it the warmest night since August 1st of 2006.

It was looking like a very average month for precipitation up until the morning of the 23rd, when we received over 35 mm between 7:45 am and 8:15 am. This was a 1 in 10 year precipitation event that caused some flooding in the area. At 65.2 mm it was also the wettest single day since July 11, 2008. (see some pictures of Silver Lake after the storm here: <http://uwweatherstation.blogspot.com/2010/07/friday-mornings-significant-rain-event.html>)

The total precipitation of 129.2 mm was definitely way above the average of 92.9 mm for the month, but not close to the record of 223.2 mm in 1988.

These last two very wet months have made up for the dry beginning to the year and we have now had the average precipitation for the first half of 2010.

Summary for July 2010:

Maximum Temperature 33.1 °C

Minimum Temperature 7.2 °C

Average Daily High Temperature 27.4 °C (Long term average 26.0 °C)

Average Daily Low Temperature 16.3 °C (Long term average 13.8 °C)

Total Precipitation 129.2 mm (Long term average 92.9 mm)

(Long term averages based on 1971-2000 data for the Waterloo Wellington Airport)