



## Niagara - August 2011:

Hot conditions continued throughout the month of August, with cool but near-normal nights. Accumulated growing degree days remain ahead of normal values as of the end of August (Fig 1). Day-time temperatures averaged above normal for the third month in a row. Average daily maximum temperatures were approximately 2°C above normal in August, while average daily minimum temperatures were near normal (Fig 2-5). The maximum temperature surpassed 30°C on an average of 5 days in Niagara West and 7 in Niagara East (Fig 6 and 7). This is above the 30-year normal of 2-3 days for August.

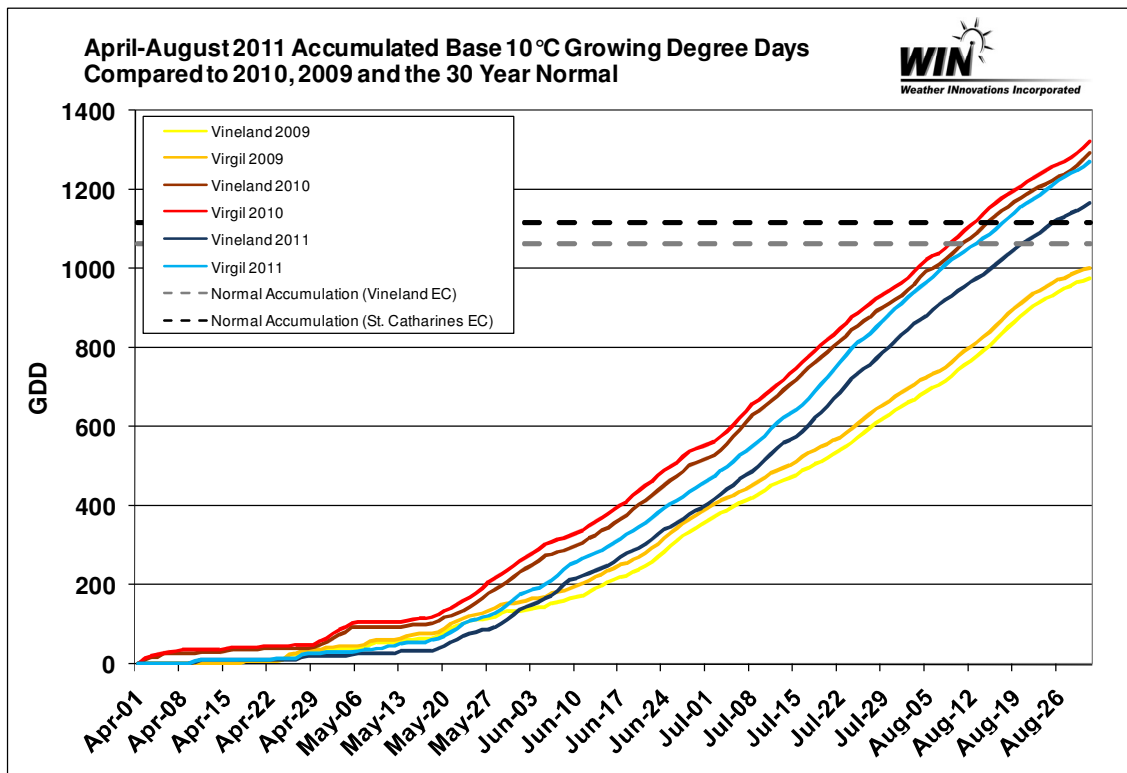


Figure 1: Growing Degree Days

The month of August brought a near-normal number of rain events after an extremely dry July. Each rainfall event in the Niagara region was highly variable, however, with some localized areas receiving more precipitation than others. Rainfall totals for the month ranged from 66% of normal at West Lincoln to 130% of normal at St. Catharines Glass Ave (Fig 8 and 9). Overall, monthly rainfall averaged 93% of normal for Niagara West and 97% of normal for Niagara East.

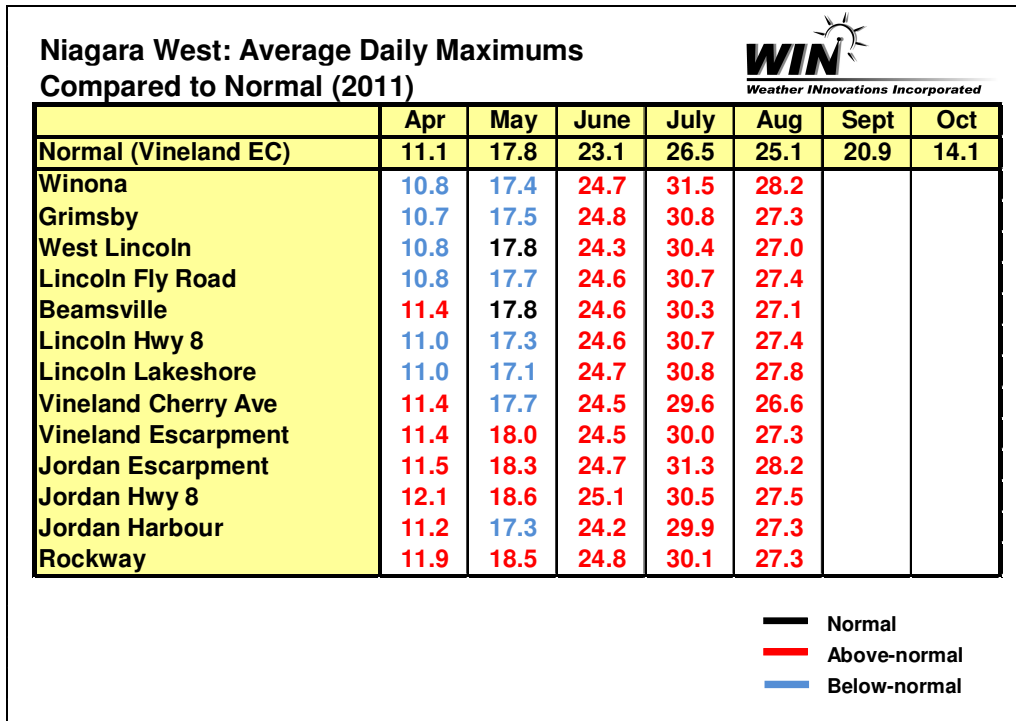


Figure 2: Niagara West – Maximum Temperatures

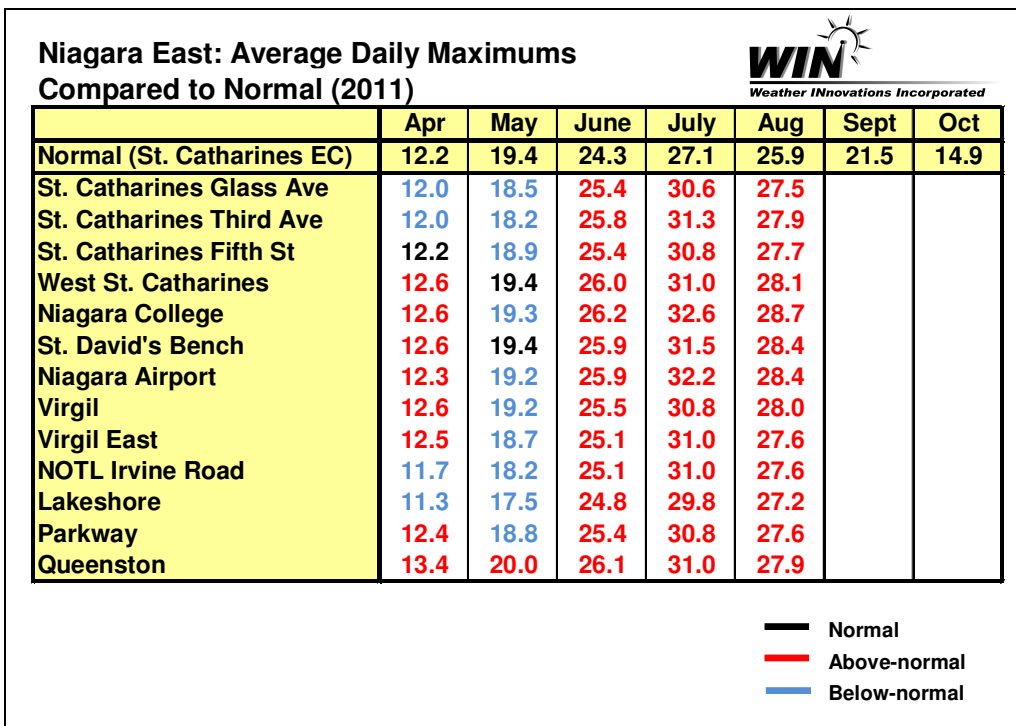


Figure 3: Niagara East - Maximum Temperatures

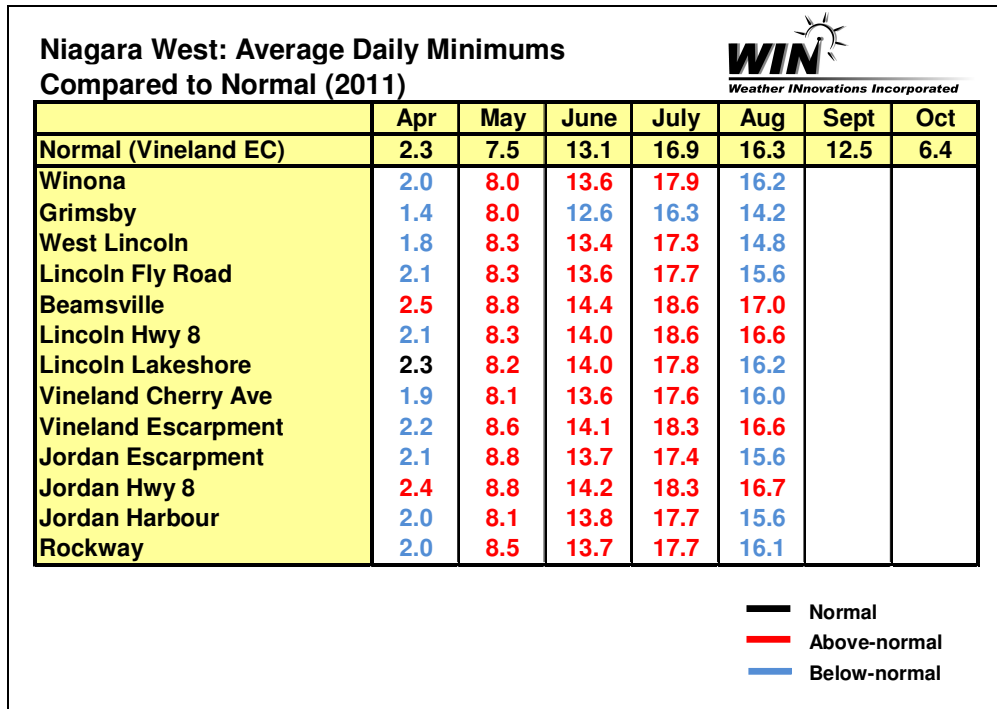


Figure 4: Niagara West - Minimum Temperatures

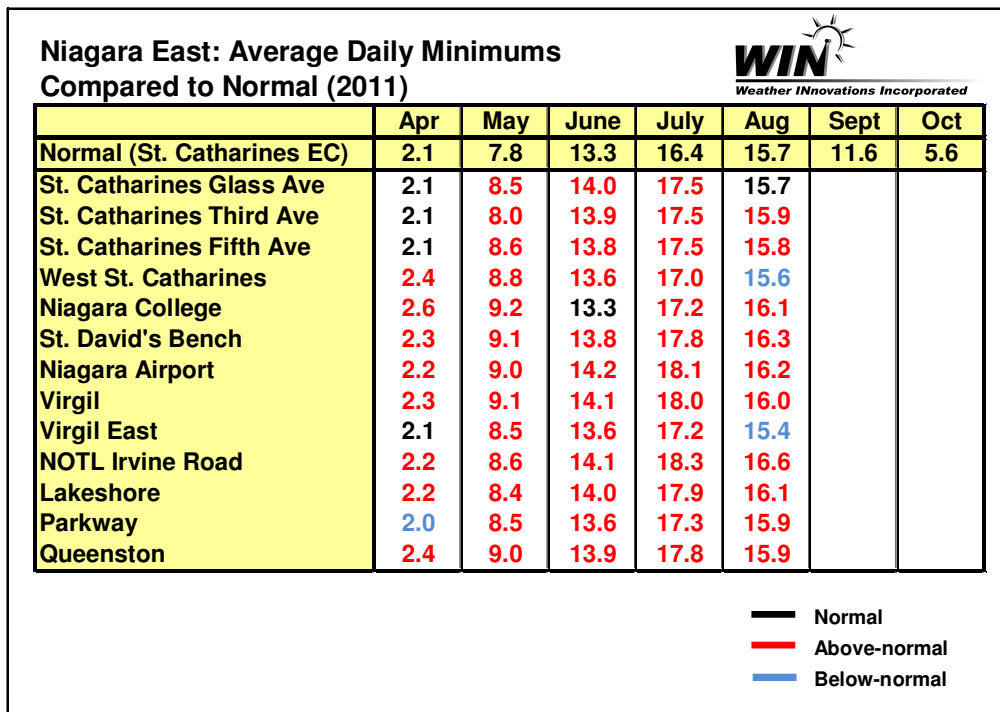


Figure 5: Niagara East - Minimum Temperatures

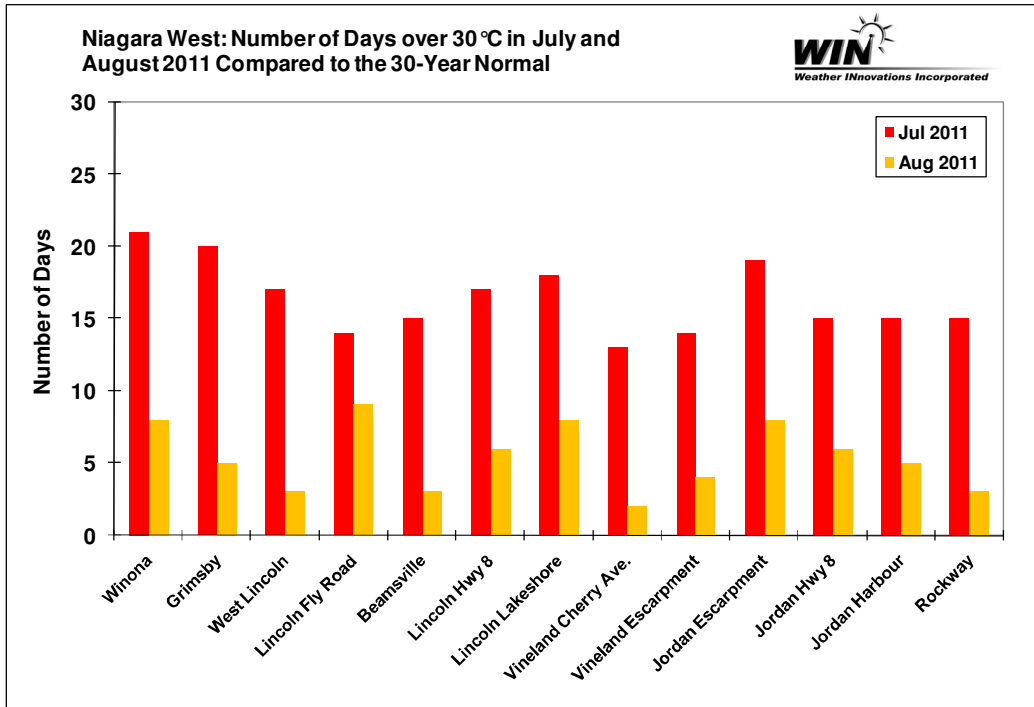


Figure 6: Niagara West - Days with the Maximum Temperature over 30°C

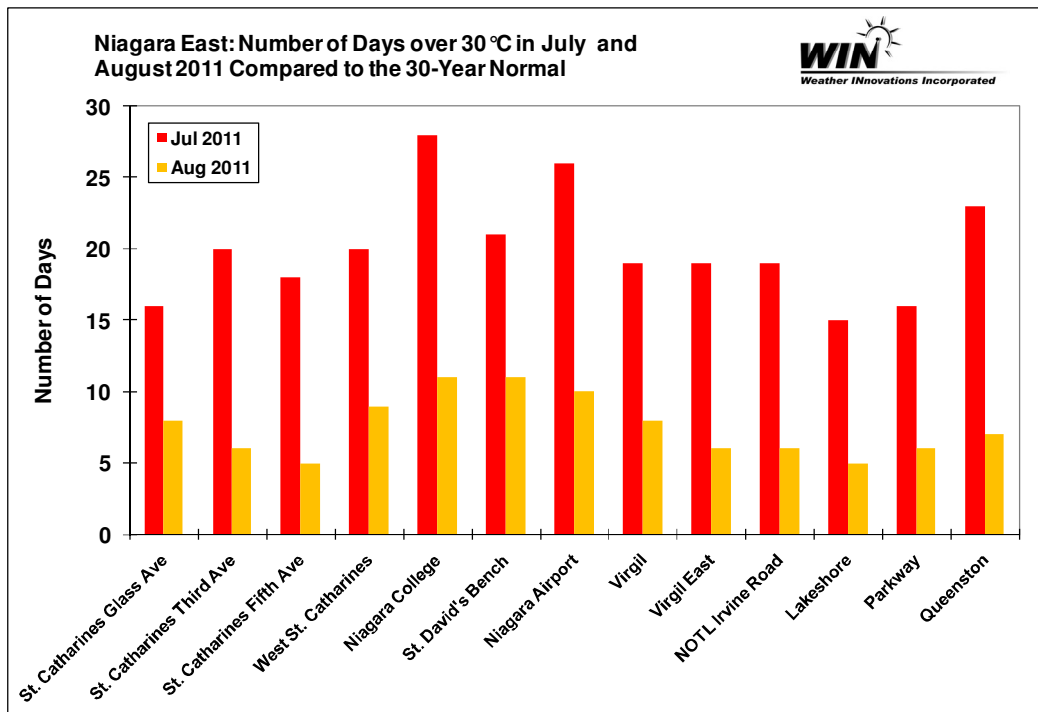


Figure 7: Niagara East - Days with the Maximum Temperature over 30°C

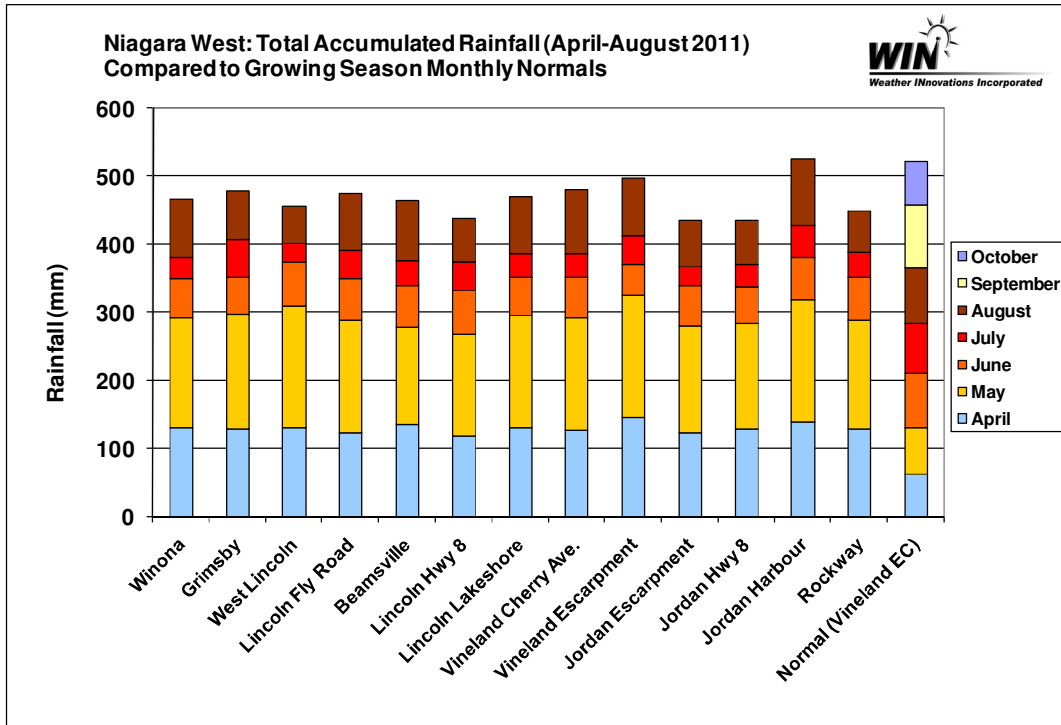


Figure 8: Niagara West – Accumulated Rainfall

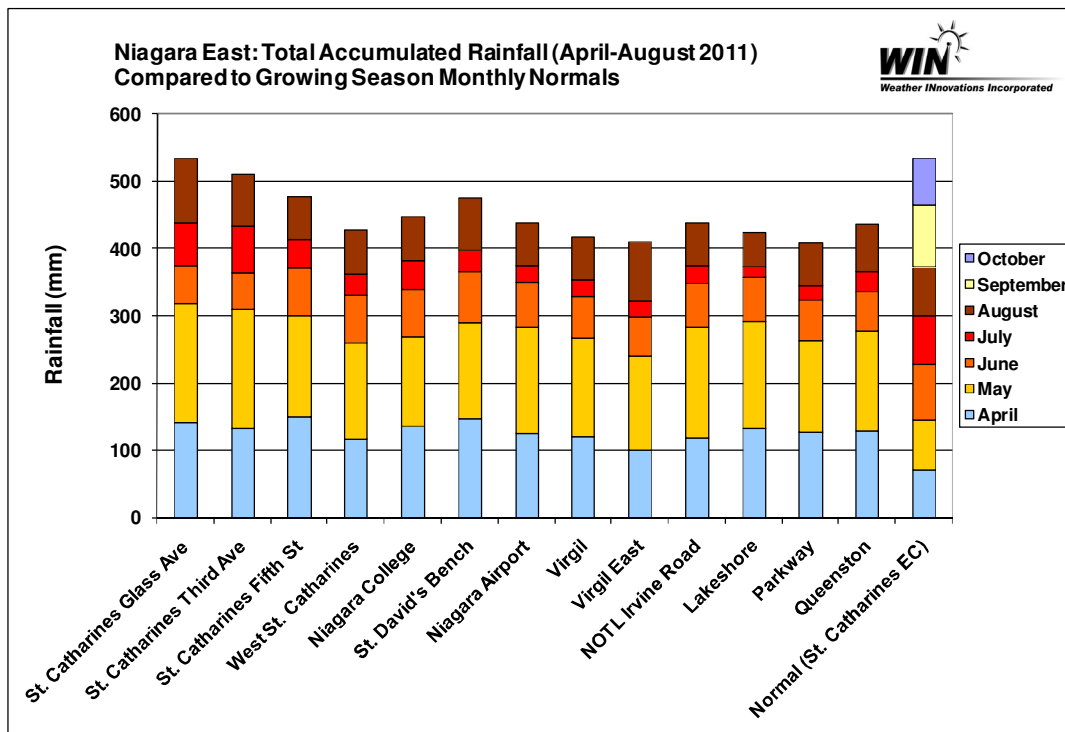


Figure 9: Niagara East – Accumulated Rainfall