



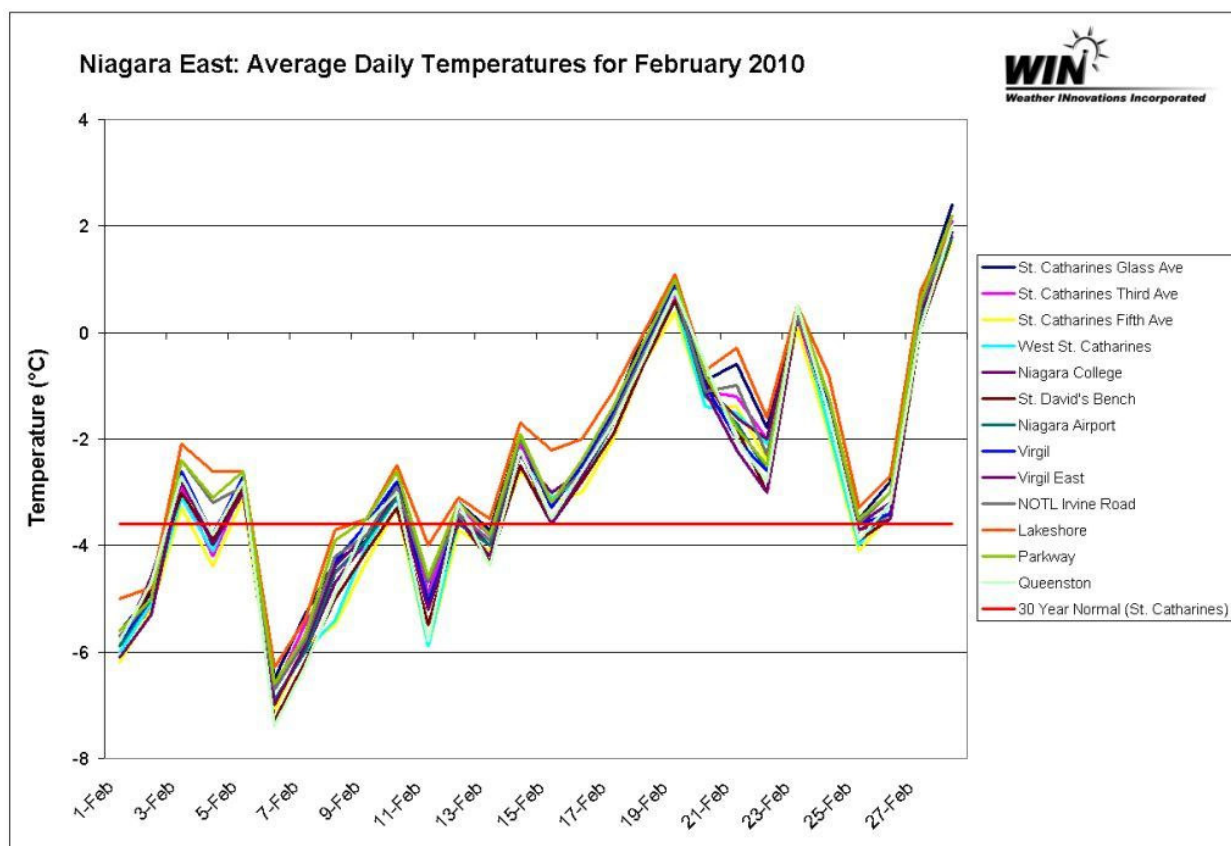
Weather INnovations Incorporated



February 2010 Summary

Niagara Region

WIN Staff
March 12, 2010



TEMPERATURE ANALYSIS:

The minimum temperatures for January 2010 ranged from -15.4°C at the Grimsby station to -9.1°C at the NOTL Lakeshore station. These minimum temperatures were much higher than those in 2009: ranging from -26.1°C at the Jordan Escarpment station to -17.2°C at the NOTL Lakeshore station. As can be seen in the following figures, there were 17 days in February when temperatures fell below -8°C at one or more of the stations.

Niagara West: February 2010 Daily Minimums

Date	Winona	Grimsby	West Lincoln	Lincoln Fly Road	Beamsville	Lincoln Hwy 8	Lincoln Lakeshore	Vineland Cherry Ave.	Vineland Escarpment	Jordan Escarpment	Jordan Hwy 8	Jordan Harbour	Rockway
01-Feb	-8.3	-9.9	-10.6	-10.2	-9.3	-8.8	-8	-8.5	-9.7	-10.7	-9.2	-8.4	-10.2
02-Feb	-8.8	-13.3	-11.8	-10.6	-8.8	-8.4	-8.8	-11.3	-9.3	-11.3	-9.7	-9.1	-9.5
03-Feb	-7.5	-10.0	-9.7	-7.2	-6.2	-6.4	-6.2	-8.8	-6.6	-8.0	-7.7	-6.3	-8.5
04-Feb	-9.5	-15.4	-12.2	-10.2	-10.5	-8.8	-7.5	-8.4	-9.8	-10.9	-9.7	-8.6	-10.2
05-Feb	-6.2	-10.0	-8.7	-7.0	-6.0	-5.7	-5.6	-7.4	-6.0	-7.6	-7.0	-6.1	-6.9
06-Feb	-8.7	-9.2	-8.8	-8.8	-8.0	-8.4	-7.6	-7.6	-8.0	-8.5	-7.7	-7.6	-8.2
07-Feb	-9.6	-10.2	-9.9	-9.9	-9.1	-9.2	-8.4	-8.6	-9.1	-9.2	-8.4	-8.6	-8.8
08-Feb	-9.1	-11.7	-12.4	-11.1	-10.2	-9.3	-8.8	-9.4	-10.4	-11.4	-10.6	-9.1	-10.7
09-Feb	-5.5	-6.3	-6.2	-6.1	-5.3	-5.3	-4.5	-4.8	-5.2	-5.5	-4.7	-4.8	-5.2
10-Feb	-7.7	-7.4	-11.6	-7.2	-6.1	-5.9	-4.7	-5.8	-6.3	-7.1	-5.8	-5.7	-6.2
11-Feb	-10.2	-13.3	-12.9	-12.0	-10.6	-10.8	-9.7	-10.6	-11.5	-12.0	-11.1	-10.2	-11.5
12-Feb	-7.3	-9.3	-9.1	-8.8	-8.0	-7.6	-6.9	-6.5	-7.7	-8.4	-7.1	-7.0	-8.0
13-Feb	-6.5	-9.8	-8.5	-7.8	-6.7	-6.6	-6.2	-6.4	-7.2	-7.4	-5.7	-5.9	-6.3
14-Feb	-3.2	-4.6	-4.6	-4.8	-4.0	-3.9	-3.5	-3.8	-4.4	-4.5	-3.9	-4.1	-4.3
15-Feb	-7.0	-12.7	-12.0	-7.2	-7.0	-6.2	-5.7	-8.4	-6.4	-8.8	-7.6	-7.3	-8.5
16-Feb	-4.5	-7.6	-7.2	-6.4	-5.0	-5.0	-4.1	-4.5	-5.5	-6.1	-4.7	-4.6	-5.8
17-Feb	-3.7	-5.9	-5.5	-5.5	-4.3	-4.4	-3.2	-3.8	-4.3	-4.6	-3.6	-3.7	-4.2
18-Feb	-1.9	-2.8	-2.9	-2.8	-1.9	-2.0	-1.3	-1.5	-2.1	-2.2	-1.5	-1.7	-1.8
19-Feb	-2.8	-5.7	-5.8	-4.5	-3.4	-3.6	-1.7	-2.3	-3.4	-4.2	-2.5	-2.1	-3.4
20-Feb	-4.1	-6.6	-6.9	-6.2	-4.6	-4.8	-4.5	-4.0	-4.8	-6.3	-4.4	-4.5	-5.4
21-Feb	-4.5	-8.7	-8.2	-7.7	-5.3	-5.1	-4.7	-4.7	-6.3	-6.8	-5.9	-5.4	-7.0
22-Feb	-2.3	-3.8	-4.0	-4.1	-3.5	-3.9	-3.4	-4.2	-3.9	-3.6	-5.2	-4.1	-5.6
23-Feb	-2.7	-5.5	-5.0	-3.6	-4.0	-3.7	-3.4	-2.7	-3.2	-2.4	-1.1	-2.4	-1.4
24-Feb	-8.6	-14.5	-9.6	-7.8	-6.5	-7.0	-5.9	-8.1	-6.8	-10.4	-7.2	-6.9	-8.1
25-Feb	-6.6	-7.6	-7.6	-7.4	-6.6	-6.7	-5.8	-6.2	-6.8	-6.9	-6.3	-6.3	-6.7
26-Feb	-5.8	-6.7	-6.7	-6.6	-6.0	-6.0	-5	-6.3	-6.1	-8.0	-5.5	-5.7	-6.4
27-Feb	0.0	-0.4	-0.9	-1.3	-0.5	0.0	-0.9	-1.0	-1.9	-3.1	-2.4	-2.7	-2.9
28-Feb	0.7	0.0	0.2	0.0	0.7	0.9	1.4	1.1	0.5	0.3	0.9	0.7	0.4



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Legend:

	Days with Ice Wine Temperatures
	Monthly Minimum



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Niagara East: February 2010 Daily Minimums

Date	St. Catharines Glass Ave	St. Catharines Third Ave	West St. Catharines Fifth St	Niagara College	St. David's Bench	Niagara Airport	Virgil	NOTL Irvine Road	Lakeshore	Pathway	Queenston		
01-Feb	-9.5	-9.2	-9.9	-10.6	-10.0	-9.0	-9.5	-8.7	-9.4	-8.3	-7.5	-9.1	-9.0
02-Feb	-10.5	-11.4	-10.5	-10.4	-9.3	-9.7	-9.2	-10.7	-12.4	-9.0	-9.1	-11.6	-9.3
03-Feb	-8.8	-9.2	-8.4	-7.6	-9.0	-9.1	-8.3	-8.0	-8.3	-6.6	-6.5	-7.2	-9.5
04-Feb	-10.7	-11.1	-10.6	-9.6	-9.3	-10.9	-9.6	-10.3	-10.7	-8.4	-7.1	-10.0	-11.5
05-Feb	-7.0	-8.0	-7.1	-6.8	-6.4	-5.8	-6.9	-7.4	-7.2	-6.5	-5.9	-6.0	-7.2
06-Feb	-7.6	-7.8	-8.3	-8.2	-8.4	-8.6	-8.1	-8.1	-8.2	-8.0	-7.6	-7.9	-11.5
07-Feb	-8.3	-8.5	-8.7	-9.3	-11.7	-9.3	-9	-8.5	-8.7	-8.5	-8.3	-8.4	-12.3
08-Feb	-9.9	-10.3	-11.0	-11.4	-10.5	-11.3	-9.8	-10.2	-9.8	-7.2	-6.3	-6.9	-10.7
09-Feb	-4.6	-4.9	-5.2	-4.8	-4.4	-4.6	-4.6	-4.2	-4.4	-4.5	-4.3	-4.2	-4.2
10-Feb	-5.2	-5.3	-6.2	-6.5	-5.9	-6.7	-6.1	-6.3	-6.8	-5.7	-4.8	-5.4	-8.6
11-Feb	-10.4	-10.3	-11.6	-11.7	-10.4	-10.2	-10	-9.4	-10.0	-7.4	-6.5	-7.8	-11.1
12-Feb	-7.2	-7.1	-7.6	-7.9	-7.8	-7.1	-8.9	-7.9	-7.8	-7.9	-7.8	-7.6	-6.9
13-Feb	-5.6	-5.6	-6.0	-5.8	-6.7	-7.6	-6.7	-7.5	-7.3	-5.9	-5.9	-6.1	-9.1
14-Feb	-3.8	-3.9	-4.3	-4.1	-4.0	-4.3	-4.1	-4.0	-4.2	-3.9	-3.1	-3.7	-4.0
15-Feb	-10.9	-11.6	-8.6	-8.4	-9.7	-12.8	-11.8	-12.0	-12.7	-9.3	-7.6	-10.9	-11.6
16-Feb	-4.5	-4.8	-5.5	-5.7	-4.8	-4.8	-5.2	-4.5	-4.8	-4.4	-4.2	-4.5	-4.5
17-Feb	-3.4	-3.7	-4.2	-3.8	-3.7	-3.9	-3.5	-3.2	-3.6	-3.1	-2.0	-3.1	-3.5
18-Feb	-1.4	-1.6	-1.7	-1.6	-1.6	-1.8	-1.7	-1.4	-1.7	-1.6	-1.3	-1.3	-1.7
19-Feb	-1.9	-2.2	-3.1	-3.4	-1.9	-2.1	-2.1	-1.8	-1.8	-1.4	-1.1	-1.4	-1.4
20-Feb	-4.4	-5.6	-5.0	-5.7	-4.8	-4.0	-5.4	-4.4	-4.6	-4.9	-5.1	-4.4	-3.7
21-Feb	-6.3	-7.4	-6.4	-6.7	-6.8	-8.5	-7.2	-7.7	-8.1	-5.3	-3.1	-6.7	-8.8
22-Feb	-5.0	-5.9	-6.5	-6.3	-6.2	-9.4	-7	-8.5	-8.6	-6.0	-4.6	-7.5	-9.4
23-Feb	-1.1	-1.1	-1.2	-0.7	-0.5	-0.8	-0.7	-0.5	-0.5	-0.6	-0.3	-0.5	-0.4
24-Feb	-8.3	-8.7	-6.5	-5.5	-6.1	-5.8	-5.8	-4.7	-5.5	-4.1	-3.2	-4.7	-6.2
25-Feb	-6.0	-6.1	-6.6	-6.3	-6.2	-6.4	-6.3	-6.1	-6.2	-6.1	-5.7	-5.9	-6.2
26-Feb	-6.2	-8.2	-6.2	-5.8	-7.0	-8.1	-9.1	-10.4	-9.9	-7.1	-5.6	-7.0	-5.4
27-Feb	-2.7	-3.1	-3.3	-2.8	-2.4	-2.9	-2.9	-2.6	-3.0	-3.1	-3.0	-3.0	-2.7
28-Feb	1	0.7	0.4	0.3	0.5	0.0	0.4	0.6	0.2	0.1	0.2	0.7	0.3



Legend:

	Days with Ice Wine Temperatures
	Monthly Minimum

SUMMARY:

Above average temperatures in February prevented extreme temperature events from occurring. The coldest temperature reached in February 2010 was only -15.4°C at the Grimsby station, compared to -26.1°C at the Jordan Escarpment station in February 2009. The first half of February provided some suitable hours for ice wine harvest; however, the majority of the harvest was completed in December and January. The latter half of February was significantly warmer than the first half of the month. Consequently, February 2010 conditions were pleasant for the grape and tender fruit industry in the Niagara appellation.

