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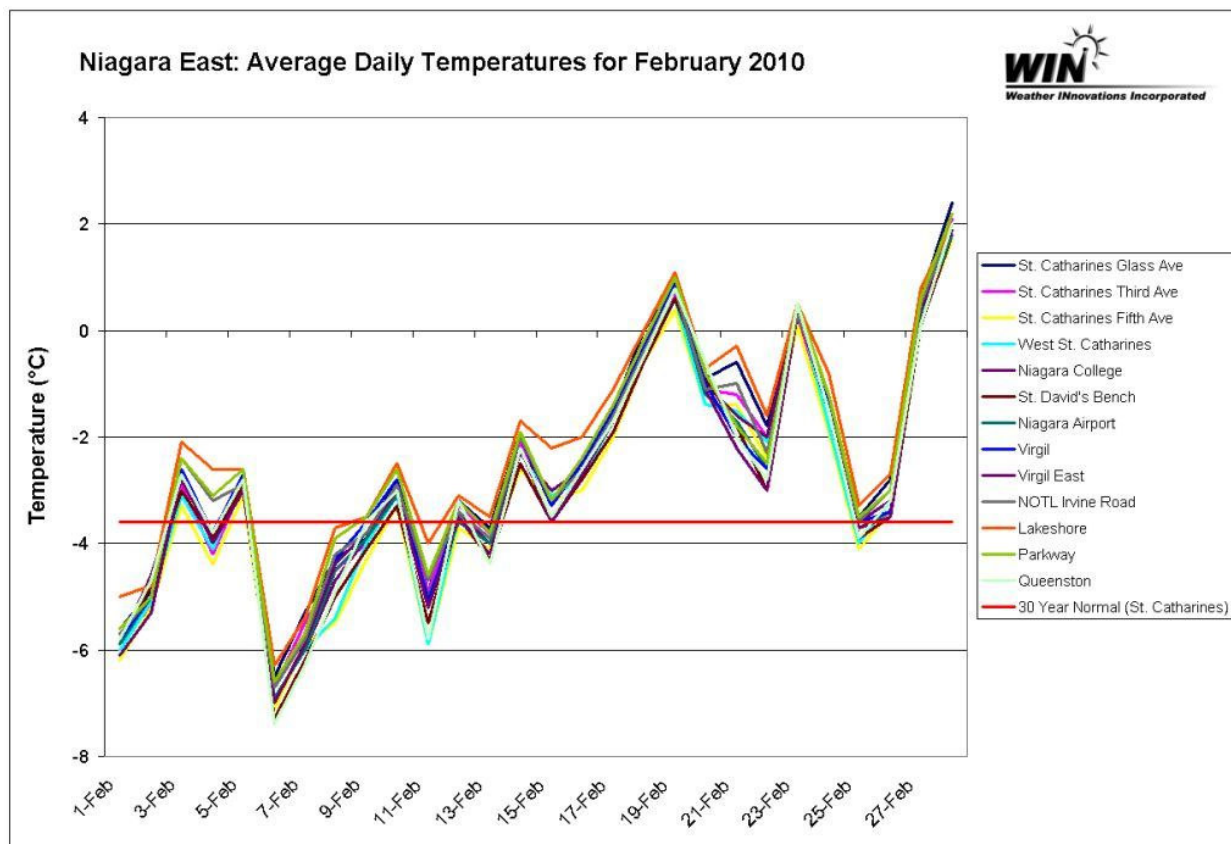


# February 2010 Summary

Niagara Region

WIN Staff  
March 12, 2010





### TEMPERATURE ANALYSIS:

The minimum temperatures for January 2010 ranged from  $-15.4^{\circ}\text{C}$  at the Grimsby station to  $-9.1^{\circ}\text{C}$  at the NOTL Lakeshore station. These minimum temperatures were much higher than those in 2009: ranging from  $-26.1^{\circ}\text{C}$  at the Jordan Escarpment station to  $-17.2^{\circ}\text{C}$  at the NOTL Lakeshore station. As can be seen in the following figures, there were 17 days in February when temperatures fell below  $-8^{\circ}\text{C}$  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 | Parkway | 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:

|   |                                 |
|---|---------------------------------|
| <span style="background-color: #e0e0e0; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> | Days with Ice Wine Temperatures |
| <span style="background-color: #0000ff; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> | Monthly Minimum                 |

### SUMMARY:

Above average temperatures in February prevented extreme temperature events from occurring. The coldest temperature reached in February 2010 was only  $-15.4^{\circ}\text{C}$  at the Grimsby station, compared to  $-26.1^{\circ}\text{C}$  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.

