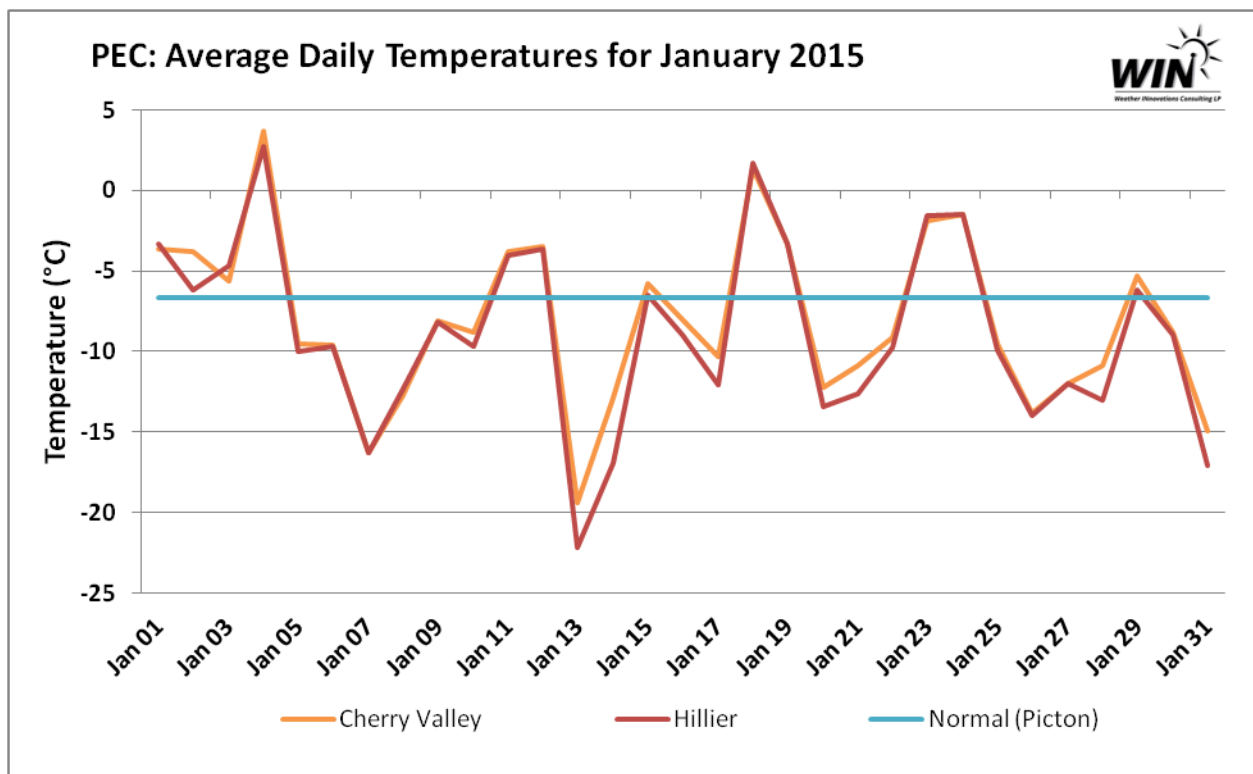




January 2015

Overview

Following a warm December, January temperatures fell to colder than normal. Average monthly temperatures were $-8.1\text{ }^{\circ}\text{C}$ at Cherry Valley and $-8.3\text{ }^{\circ}\text{C}$ at Hillier (compared to $-7.9\text{ }^{\circ}\text{C}$ at Cherry Valley and $-8.8\text{ }^{\circ}\text{C}$ at Hillier in 2013). Accordingly, the average monthly temperatures were $1.4\text{ }^{\circ}\text{C}$ to $2.1\text{ }^{\circ}\text{C}$ below normal for this appellation, compared to $1.2\text{ }^{\circ}\text{C}$ to $2.9\text{ }^{\circ}\text{C}$ below normal in 2014. These statistics are based on Environment Canada's 30-year normal for Picton. This summary illustrates minimum January 2015 temperatures and the icewine harvest opportunities that arose. For this report, icewine hours are defined as instances when the average hourly temperature ranged between $-8.0\text{ }^{\circ}\text{C}$ and $-12.0\text{ }^{\circ}\text{C}$, inclusive.



Temperature Analysis

The January 2015 monthly minimum temperature for each site was $-27.9\text{ }^{\circ}\text{C}$ at the Cherry Valley station (compared to $-28.4\text{ }^{\circ}\text{C}$ in 2014) and $-31.3\text{ }^{\circ}\text{C}$ at the low-lying Hillier station (compared to $-36.7\text{ }^{\circ}\text{C}$ in 2014). The coldest temperature occurred on January 8 at Cherry Valley and January 13 at Hillier. There were 25 days when temperatures at one or more stations dipped into icewine temperature ranges (compared to 18 days in January 2014).



PEC: January 2015 Daily Minimums

| Date | Cherry Valley | Hillier |
|--------|---------------|---------|
| 1-Jan | -6.6 | -6.2 |
| 2-Jan | -5.5 | -14.9 |
| 3-Jan | -12.5 | -15.1 |
| 4-Jan | -1.6 | -2 |
| 5-Jan | -12.6 | -13.6 |
| 6-Jan | -12.2 | -13.8 |
| 7-Jan | -26.2 | -28.6 |
| 8-Jan | -27.9 | -29.2 |
| 9-Jan | -10.2 | -10.7 |
| 10-Jan | -10.9 | -12.6 |
| 11-Jan | -9.2 | -9.9 |
| 12-Jan | -15.2 | -15.9 |
| 13-Jan | -24.2 | -31.3 |
| 14-Jan | -21.1 | -28.9 |
| 15-Jan | -10.8 | -15.3 |
| 16-Jan | -17.3 | -23.7 |
| 17-Jan | -19.7 | -27.1 |
| 18-Jan | -0.4 | -0.2 |
| 19-Jan | -10.3 | -11.2 |
| 20-Jan | -16.6 | -19.4 |
| 21-Jan | -15.3 | -20.2 |
| 22-Jan | -14.9 | -17.2 |
| 23-Jan | -2.5 | -6.4 |
| 24-Jan | -2.9 | -3.5 |
| 25-Jan | -16.2 | -19.1 |
| 26-Jan | -16.9 | -17.9 |
| 27-Jan | -14.8 | -19.9 |
| 28-Jan | -15.9 | -21.5 |
| 29-Jan | -15.8 | -18.6 |
| 30-Jan | -17.8 | -21.1 |
| 31-Jan | -25.3 | -30.4 |



| | |
|--|---------------------------------|
| | Days with Ice Wine Temperatures |
| | Monthly Minimum |



PEC: January 2015 Daily Temperatures Compared to Normal

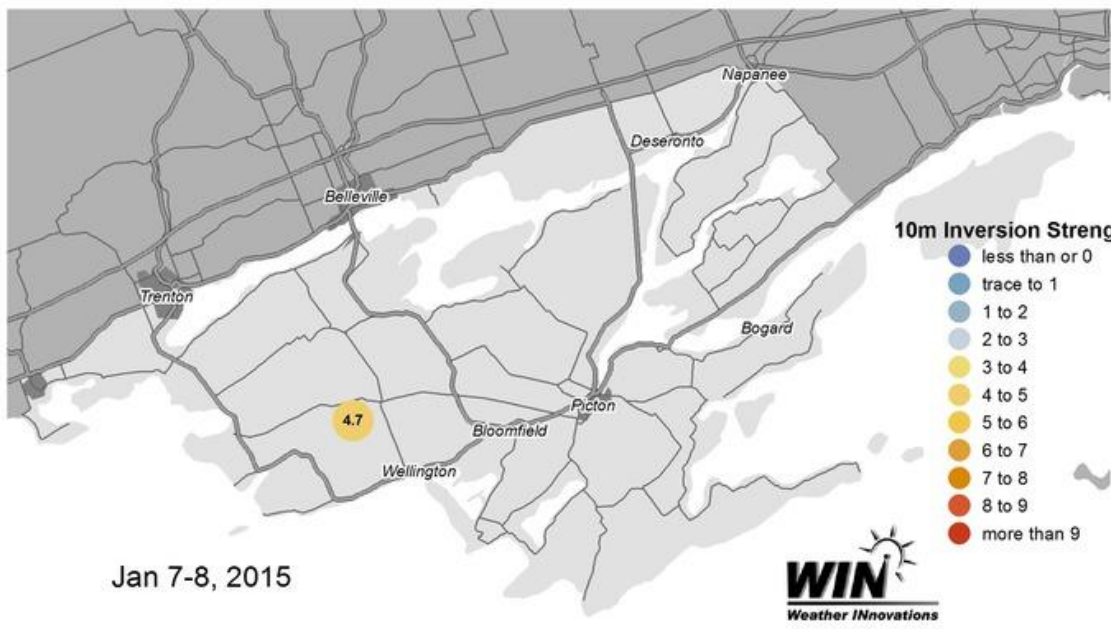
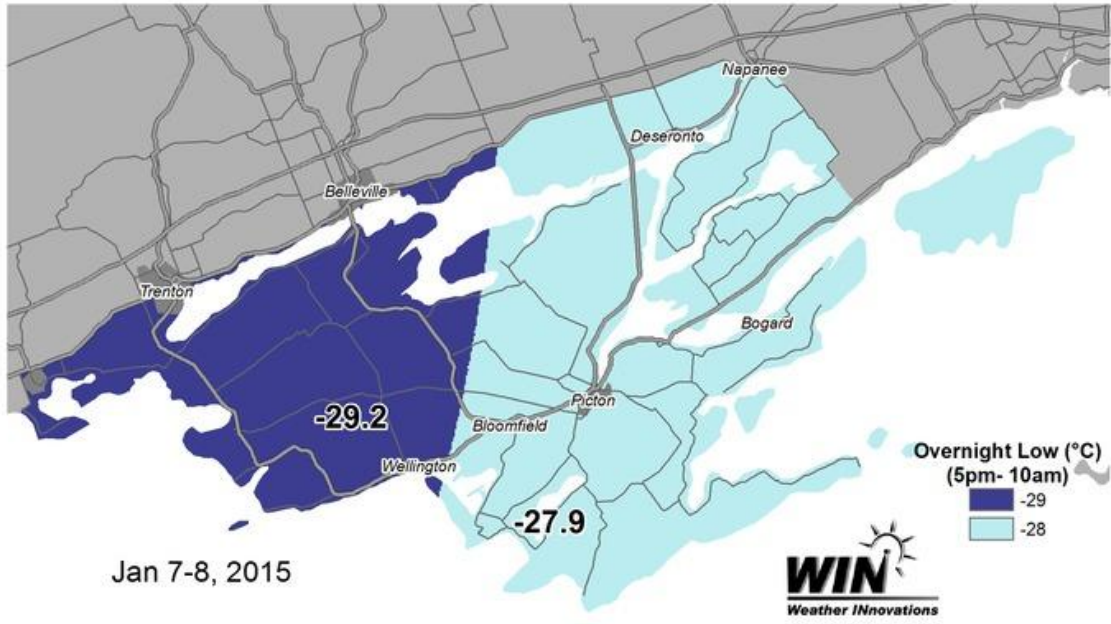
| | Cherry Valley | Hillier | Normal (Picton) |
|---------------------------------------|---------------|---------|-----------------|
| Days with Maximum Temperature: | | | |
| <= 0 °C | 24 | 26 | 18.3 |
| > 0 °C | 7 | 5 | 12.8 |
| > 10 °C | 0 | 0 | 0.3 |
| > 20 °C | 0 | 0 | 0 |
| > 30 °C | 0 | 0 | 0 |
| > 35 °C | 0 | 0 | 0 |
| Days with Minimum Temperature: | | | |
| > 0 °C | 0 | 0 | 1.9 |
| <= 2 °C | 31 | 31 | 30.4 |
| <= 0 °C | 31 | 31 | 29.1 |
| <= -2 °C | 29 | 30 | 25.8 |
| <= -10 °C | 24 | 25 | 16.2 |
| <= -20 °C | 5 | 10 | 4.7 |
| <= -30 °C | 0 | 2 | 0.5 |

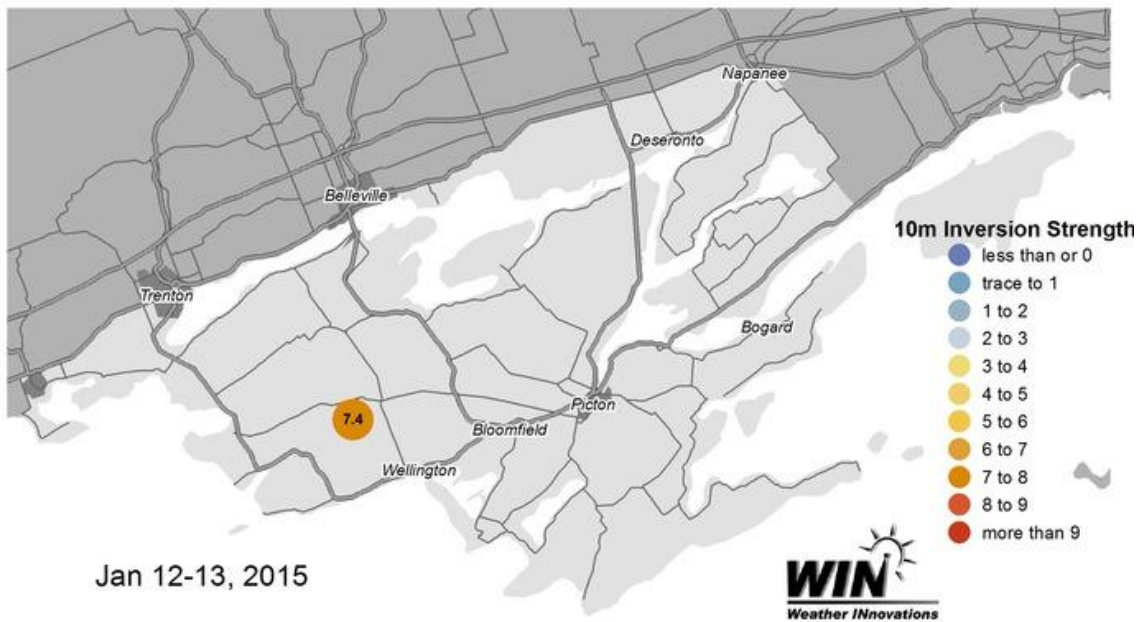
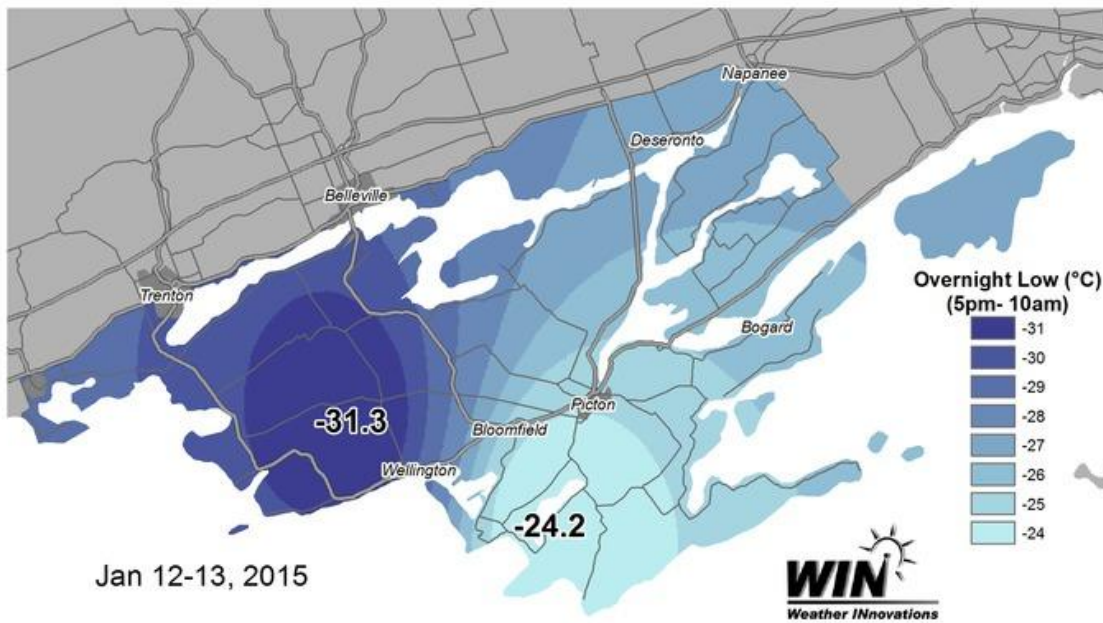




Inversion Strength

The following four figures show the two coldest January nights: January 7-8 and 12-13. Note that on both nights, inversion strengths suitable for running wind machines were present.



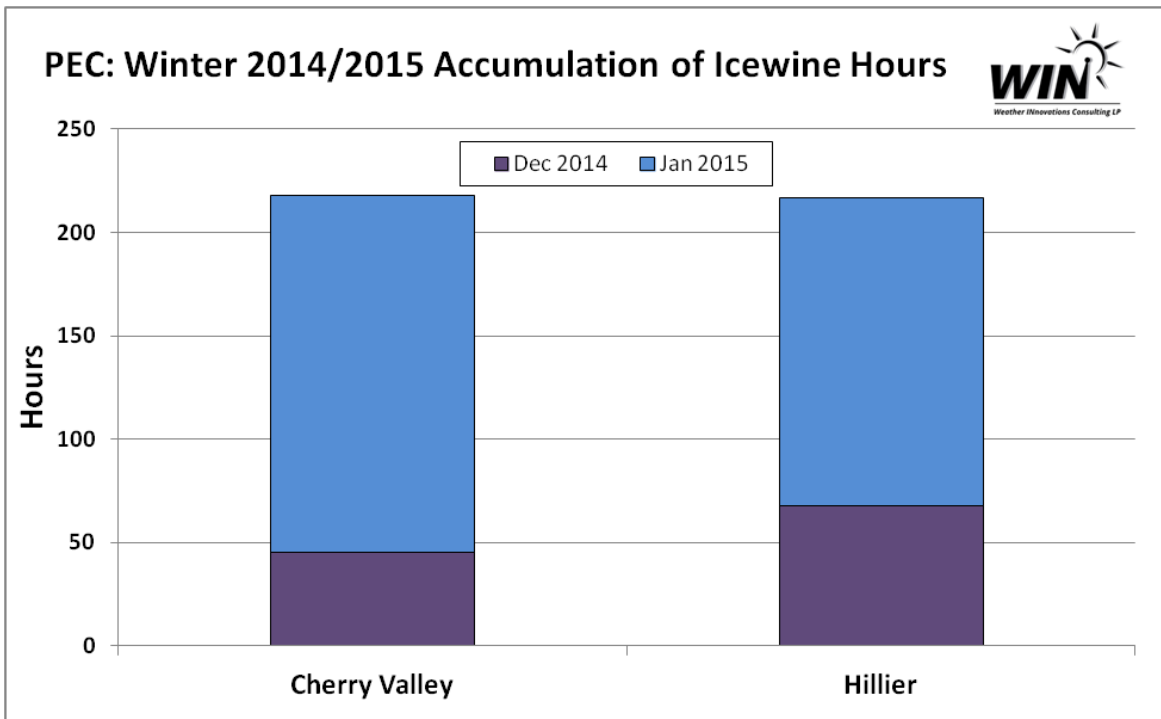
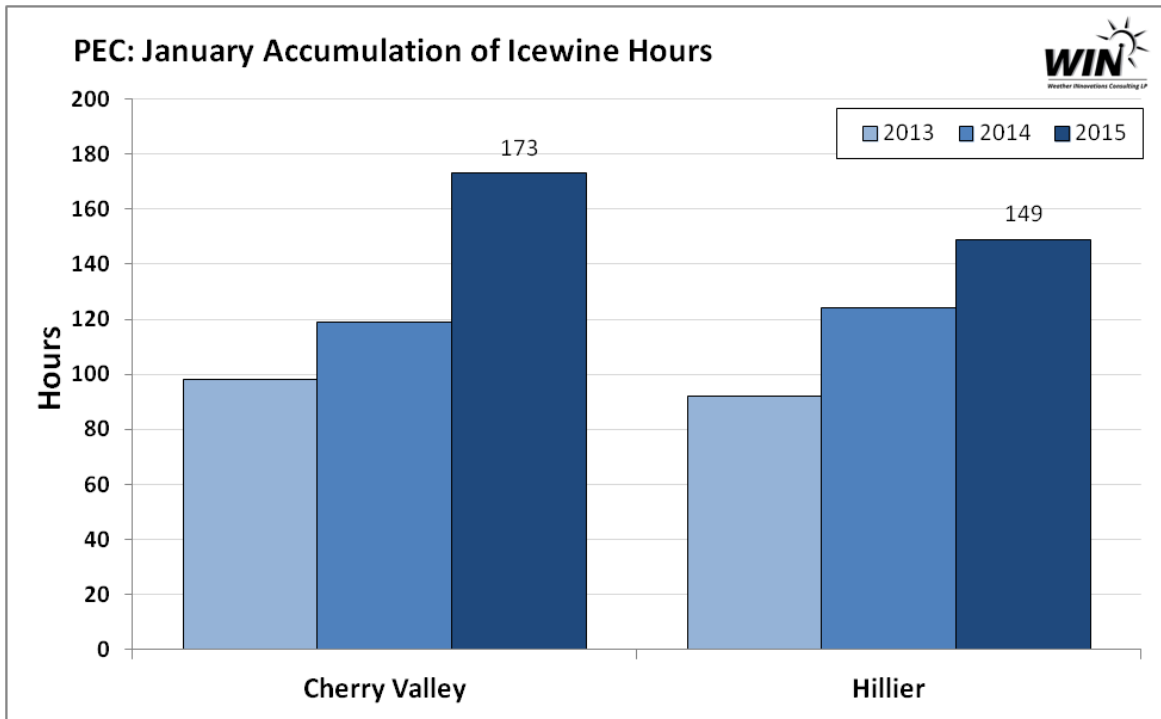


Icewine Hours Analysis

As seen in the following two figures, all of the stations accumulated a greater number of icewine hours than in 2014 and 2012. A total of 173 icewine hours were recorded at the Cherry Valley station (compared to 113 hours in 2014) and 149 icewine hours at the Hillier station (compared to 120 hours in



2014). The 2014/2015 two month accumulations totaled between 217 hours and 218 hours. The following figures illustrate how the accumulation of icewine hours differed between the two sites.





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Summary

January 2015 temperatures were below normal in the Prince Edward County appellation. Average temperatures for the month were 1.4 °C to 2.1 °C below the 30-year normal. The coldest events took place on January 8 and January 13 with the coldest temperature reaching -31.3 °C at the low-lying Hillier station. January 2015 provided a suitable number of opportunities for harvesting icewine grapes, allowing for the completion of most icewine harvests.