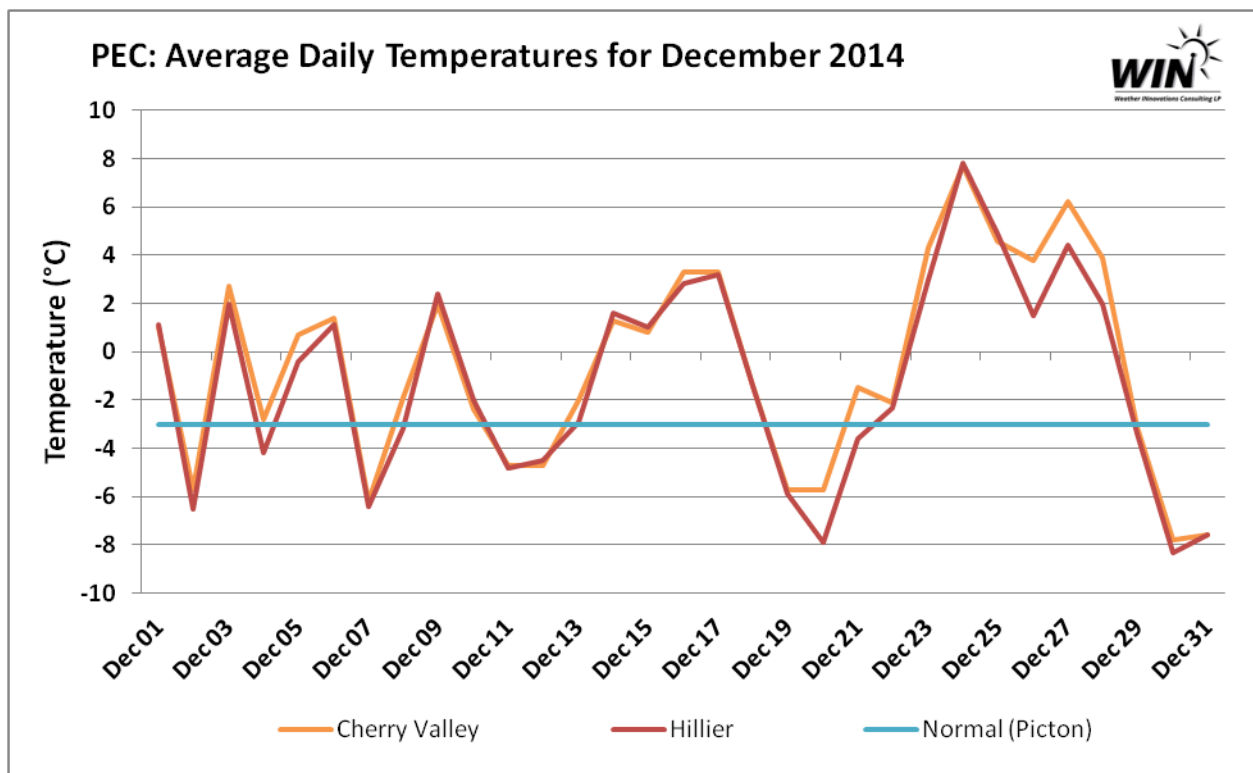




December 2014

Overview

December 2014 was warmer than normal in the Prince Edward County appellation. In comparison, December 2013 was cooler than normal. Average monthly temperatures were $-0.6\text{ }^{\circ}\text{C}$ at Cherry Valley and $-1.2\text{ }^{\circ}\text{C}$ at Hillier (compared to $-4.4\text{ }^{\circ}\text{C}$ at Cherry Valley and $-5.3\text{ }^{\circ}\text{C}$ at Hillier in 2013). Accordingly, the average monthly temperatures were $2.7\text{ }^{\circ}\text{C}$ above normal at Cherry Valley and $1.8\text{ }^{\circ}\text{C}$ above normal at Hillier (compared to $1.4\text{ }^{\circ}\text{C}$ below normal at Cherry Valley and $2.3\text{ }^{\circ}\text{C}$ below normal at Hillier in 2013). These statistics are based on Environment Canada's 30-year normal for Picton. This summary illustrates minimum December 2013 temperatures and the icewine harvest opportunities that arose. For this report, icewine hours are defined as instances when the average hourly temperature was between $-8.0\text{ }^{\circ}\text{C}$ and $-12\text{ }^{\circ}\text{C}$, inclusive.



Temperature Analysis

The coldest temperatures recorded in November 2014 were $-8.4\text{ }^{\circ}\text{C}$ at Cherry Valley and $-10.4\text{ }^{\circ}\text{C}$ at the Hillier station. The monthly minimum temperatures in December 2014 were $-14.1\text{ }^{\circ}\text{C}$ (compared to $-22.2\text{ }^{\circ}\text{C}$ in 2013) at the Cherry Valley station and $-15.2\text{ }^{\circ}\text{C}$ (compare to $-29.6\text{ }^{\circ}\text{C}$) at the Hillier Station. These monthly minimums temperatures occurred on December 31. There were 11 days (compared to 16 days in 2013) when temperatures, at one or more stations, dipped into icewine temperature ranges.



PEC: Daily Minimums

November 2014

Date	Cherry Valley Hillier	
	Cherry Valley	Hillier
1-Nov	1.3	0.7
2-Nov	-1.1	-2.2
3-Nov	4.7	4.1
4-Nov	9.3	8.3
5-Nov	4.1	3.3
6-Nov	2	1.3
7-Nov	0.9	-0.6
8-Nov	-3.9	-6.8
9-Nov	3.1	1.6
10-Nov	3.6	3.1
11-Nov	8.1	-0.8
12-Nov	2.4	1.2
13-Nov	-1	-3.6
14-Nov	-3.3	-5.6
15-Nov	-4	-10
16-Nov	-1.9	-1.7
17-Nov	-1.1	-2
18-Nov	-4.2	-5.2
19-Nov	-4.8	-6.1
20-Nov	-4.5	-6.3
21-Nov	-8.4	-10.4
22-Nov	-2.1	-5
23-Nov	4.5	4.8
24-Nov	5.2	4.7
25-Nov	1.8	0.8
26-Nov	-2.9	-3.7
27-Nov	-4.5	-9.3
28-Nov	-6.2	-9.6
29-Nov	-5.7	-5.9
30-Nov	3.8	3.8

December 2014

Date	Cherry Valley Hillier	
	Cherry Valley	Hillier
1-Dec	-6.5	-7.5
2-Dec	-12.1	-12.9
3-Dec	1.1	0.3
4-Dec	-8.2	-11.2
5-Dec	-5.3	-9.3
6-Dec	-2.8	-3.6
7-Dec	-8.8	-10.1
8-Dec	-9	-10.1
9-Dec	0.6	0.8
10-Dec	-3.7	-3.7
11-Dec	-6.6	-7.9
12-Dec	-7.8	-7.8
13-Dec	-7.9	-13.8
14-Dec	-0.1	0.3
15-Dec	0	-0.1
16-Dec	1.1	0.8
17-Dec	1	0.7
18-Dec	-3.9	-3.8
19-Dec	-8.5	-10.6
20-Dec	-9.6	-12.6
21-Dec	-4.8	-7.7
22-Dec	-3.9	-3.7
23-Dec	2.5	-2.5
24-Dec	5.4	6.1
25-Dec	3.3	3.7
26-Dec	1.1	-5.4
27-Dec	2.6	-4.7
28-Dec	0.9	-2.4
29-Dec	-8.3	-10.7
30-Dec	-13.6	-15.2
31-Dec	-14.1	-15.2

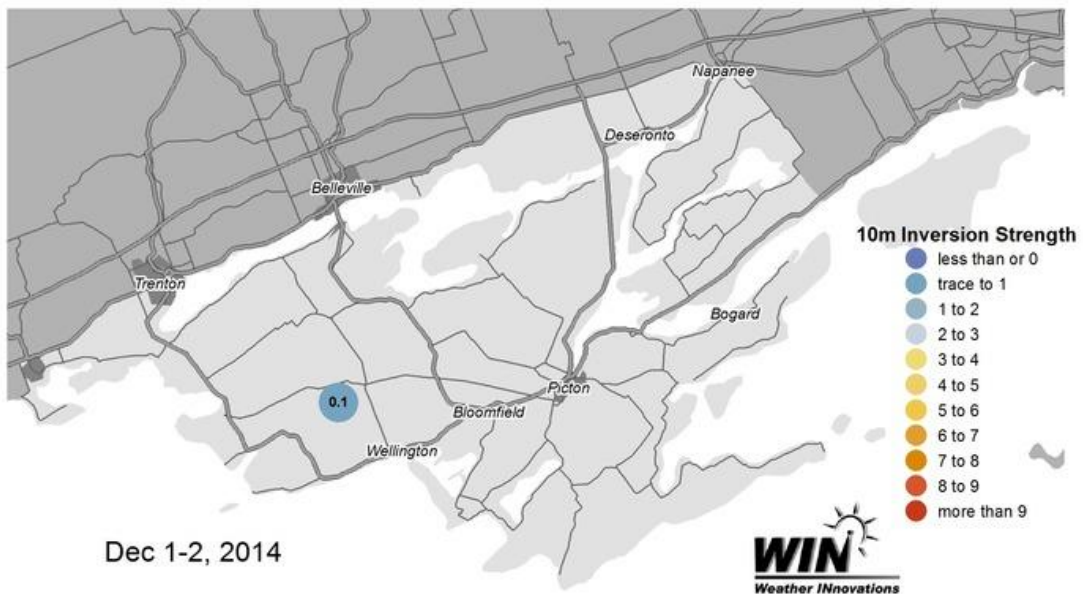
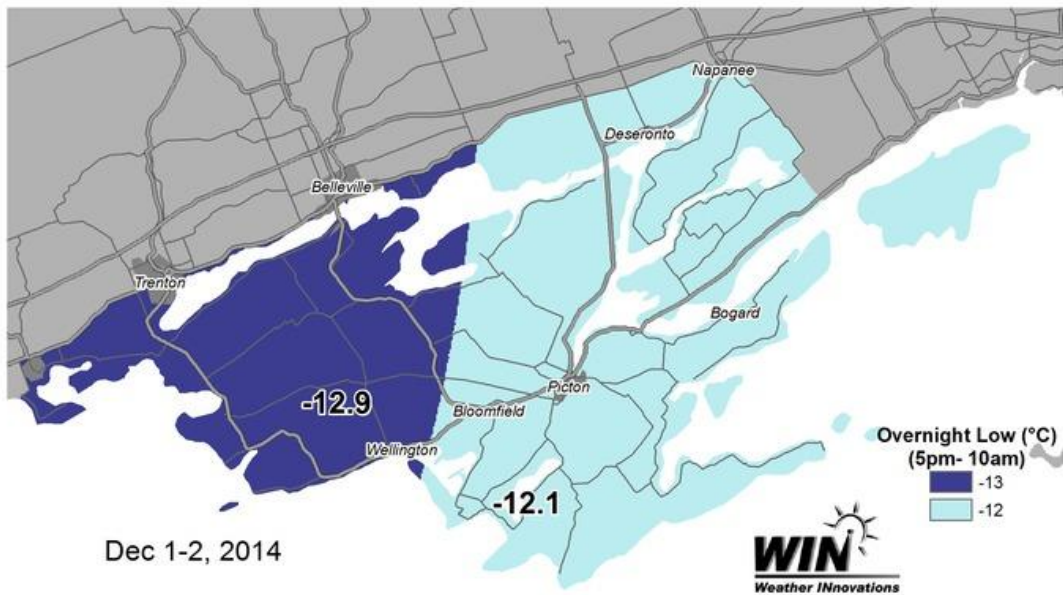


	Days with Icwine Temperatures
	Monthly Minimum



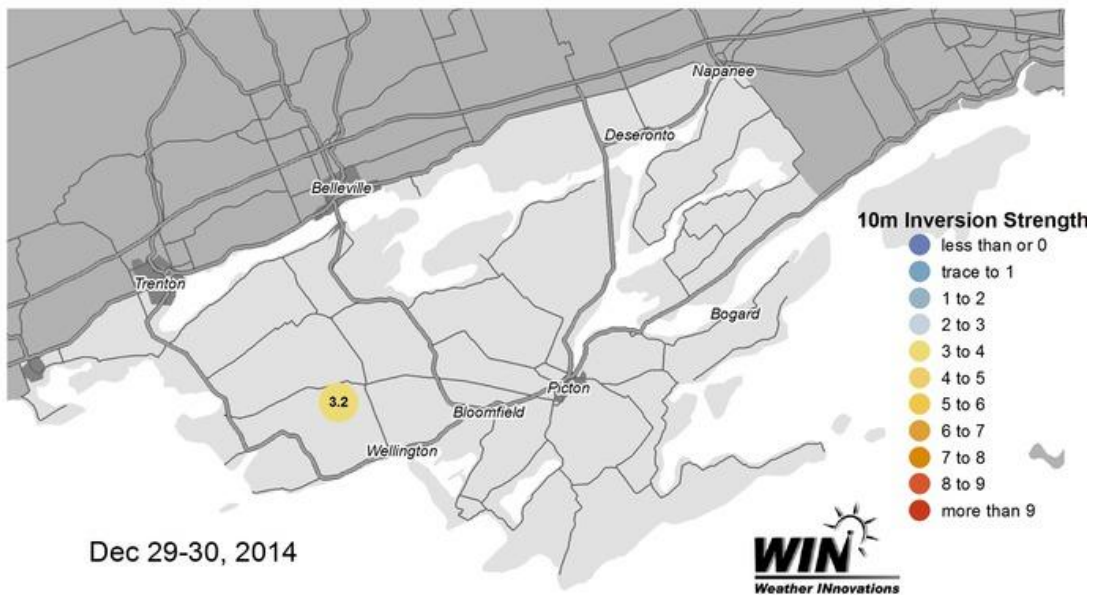
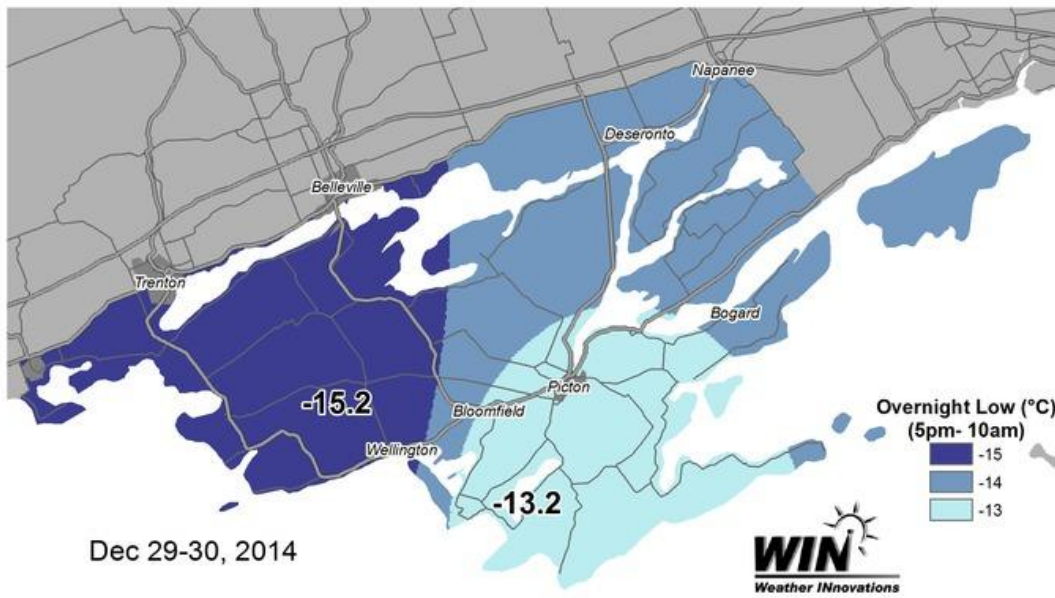
Inversion Strength

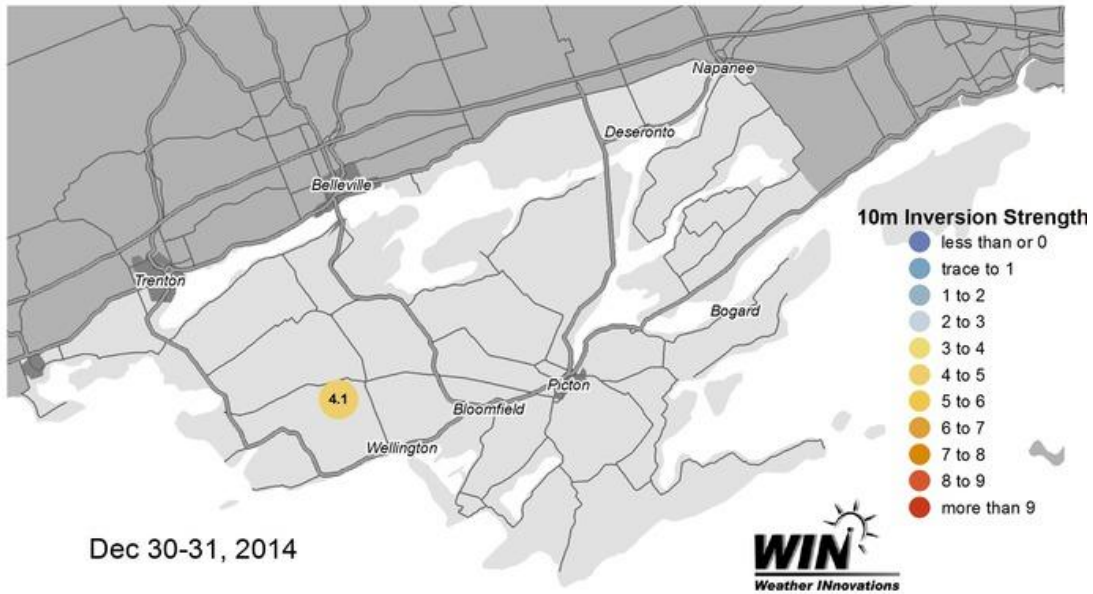
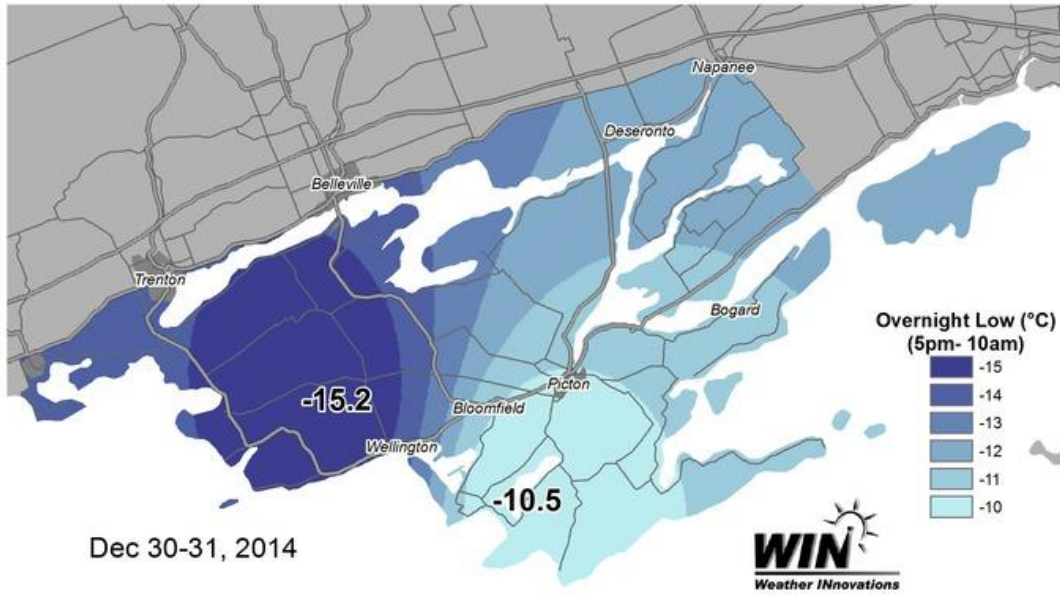
The following six figures show the coldest December nights: December 1-2, 29-30, and 30-31. Note that the nights of December 29-30 and 30-31 had suitable inversion strengths for running wind machines.





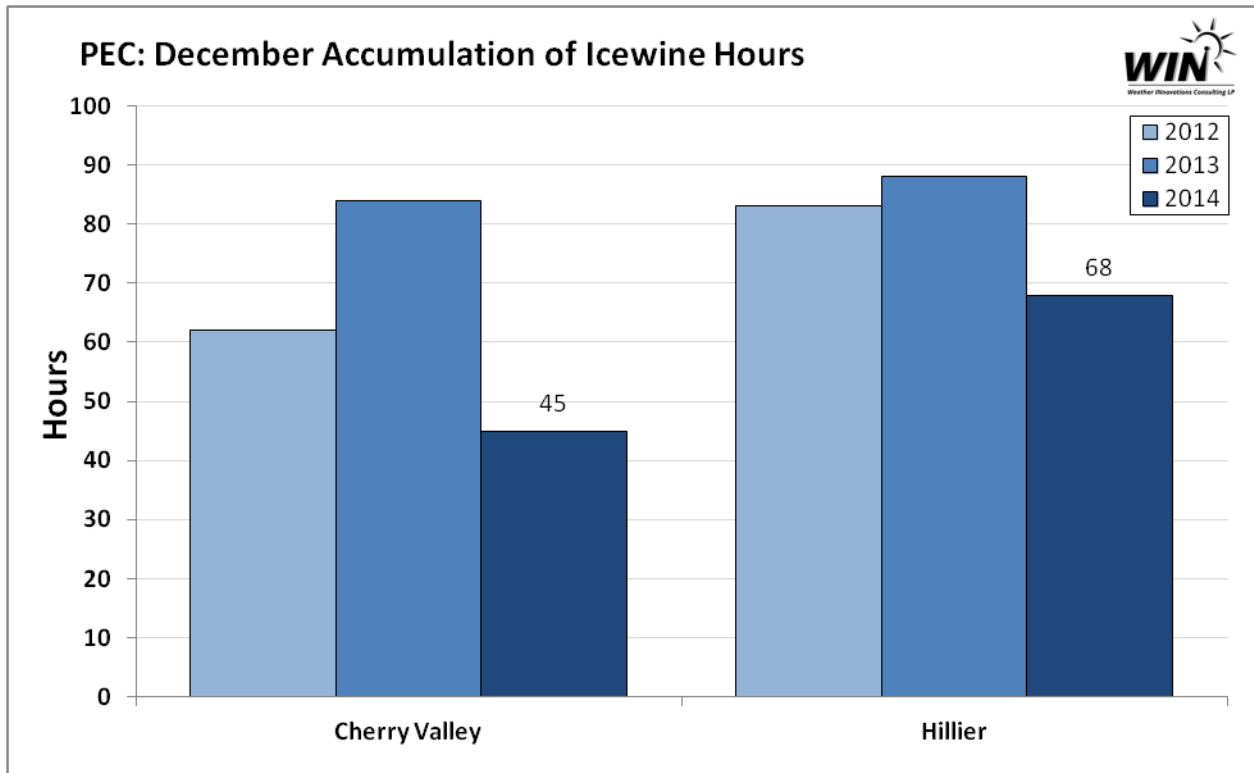
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Icewine Hours Analysis

Icewine hours were abundant in December with harvest beginning as early as December 2 for most locations. As seen in the following figure, both stations accumulated fewer icewine hours than 2012 and 2013. The Prince Edward County stations recorded between 45 and 68 icewine hours in December 2014, compared to between 84 and 88 hours in 2013.



Summary

December 2014 temperatures were above normal in the Price Edward County appellation; average temperatures for the month were 1.8 °C to 2.7 °C above the 30-year normals. The coldest temperature reached was -15.2 °C on December 30 and December 31 at the Hillier station. December 2014 provided some opportunities for harvest icewine grapes at most locations. These conditions led to an early completion of icewine harvest for some this year.