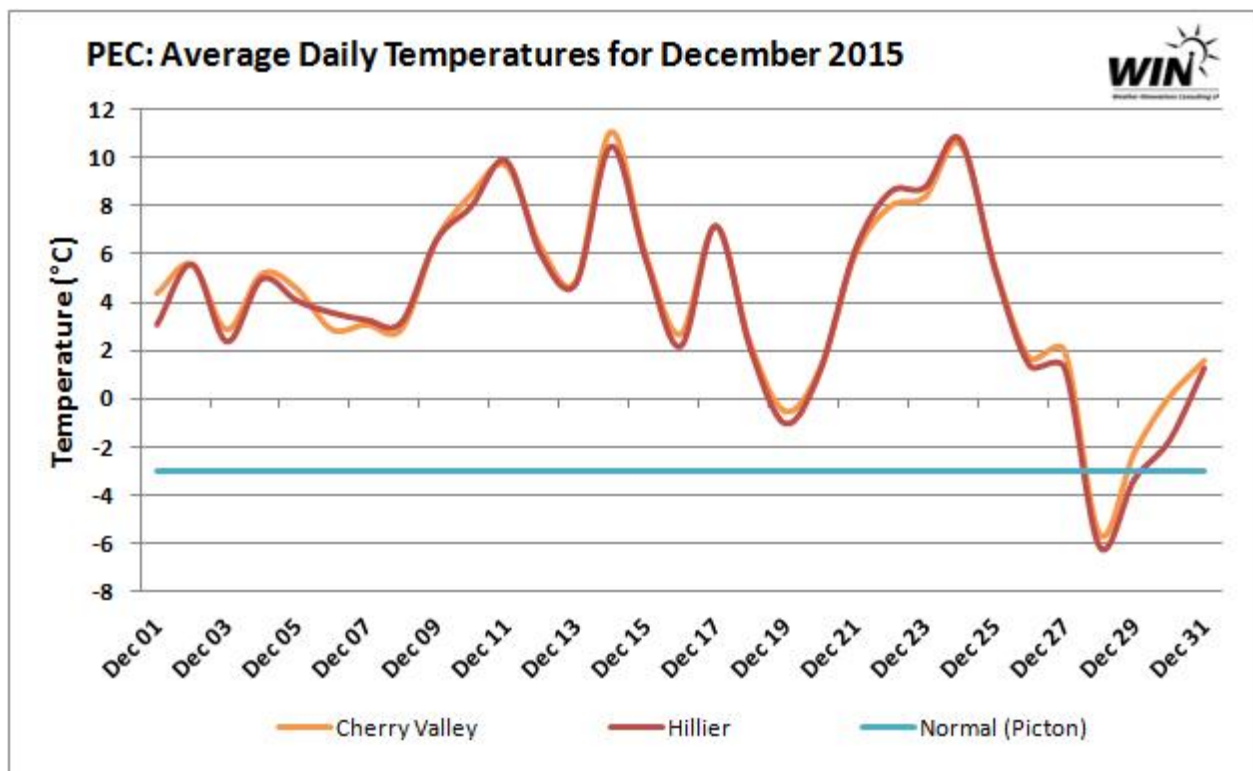




December 2015

Overview

December 2015 was significantly warmer than normal in the Prince Edward County appellation. Average monthly temperatures were 4.3°C at Cherry Valley and 4.1°C at Hillier (compared to -0.6°C at Cherry Valley and -1.2°C at Hillier in 2014). The average monthly temperatures were 7.3°C above normal at Cherry Valley and 7.1 °C above normal at Hillier (compared to 2.4°C above normal at Cherry Valley and 1.8°C above normal at Hillier in 2014). These statistics are based on Environment Canada’s 30-year normal for Picton. This summary illustrates December 2015 minimum 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°C and -12°C, inclusive.



Temperature Analysis

The coldest temperatures recorded in November 2015 were -7.5°C at Cherry Valley and -8.5°C at the Hillier station. The lowest temperatures in December 2015 were -8.7°C (compared to -14.1°C in 2014) at the Cherry Valley station and -8.5°C (compare to -15.2°C) at the Hillier Station. These minimum temperatures occurred on December 28. There was 1 day in December (compared to 11 days in 2014) when temperatures, at one or more stations, dipped into icewine temperature ranges.



PEC: Daily Minimums

November 2015

Date	Cherry Valley Hillier	
	Cherry Valley	Hillier
1-Nov	8.4	8.6
2-Nov	7.2	4.1
3-Nov	5.5	6.7
4-Nov	6.4	5.9
5-Nov	5.9	6.6
6-Nov	9.5	9.1
7-Nov	5	2.3
8-Nov	4.2	1.8
9-Nov	0.7	-0.5
10-Nov	2	1
11-Nov	6.5	6.4
12-Nov	8.1	8
13-Nov	3.5	3
14-Nov	0.5	0.4
15-Nov	4.9	2.3
16-Nov	1.5	1.7
17-Nov	-2.1	-1.9
18-Nov	6.2	6.8
19-Nov	8.6	8.3
20-Nov	1.6	-2.6
21-Nov	-2.8	-2.8
22-Nov	-3.1	-4.7
23-Nov	-6.7	-8.5
24-Nov	-1.4	-2.8
25-Nov	-2.3	-2.5
26-Nov	6.5	7
27-Nov	0.8	1
28-Nov	-6.2	-6.1
29-Nov	-7.5	-8.1
30-Nov	-4.9	-4.1

December 2015

Date	Cherry Valley Hillier	
	Cherry Valley	Hillier
1-Dec	-1.6	-3.4
2-Dec	3.4	2.4
3-Dec	-0.2	0
4-Dec	3.2	2.4
5-Dec	0.4	1.8
6-Dec	-0.3	-0.7
7-Dec	-0.3	1
8-Dec	-1.3	0.6
9-Dec	2.6	1.6
10-Dec	6	3.9
11-Dec	6.7	6.6
12-Dec	1.6	1.2
13-Dec	4.3	4.2
14-Dec	5.8	4.8
15-Dec	1.4	-0.9
16-Dec	-1.2	-1.8
17-Dec	4.5	3.3
18-Dec	-0.5	0
19-Dec	-1.6	-2.5
20-Dec	-0.8	-1.3
21-Dec	4.1	4.4
22-Dec	4	7.1
23-Dec	1.8	2.7
24-Dec	5.9	4.8
25-Dec	2.1	0.7
26-Dec	-3.2	-2.4
27-Dec	-0.4	-0.3
28-Dec	-8.7	-8.5
29-Dec	-5.3	-5.9
30-Dec	-5.1	-5.7
31-Dec	0.6	0.4

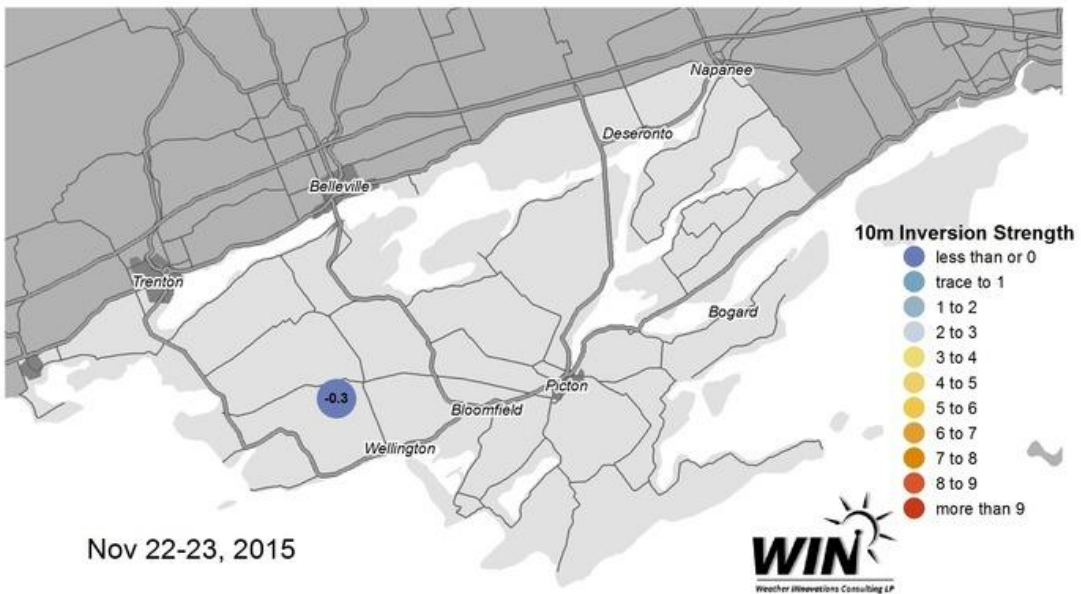
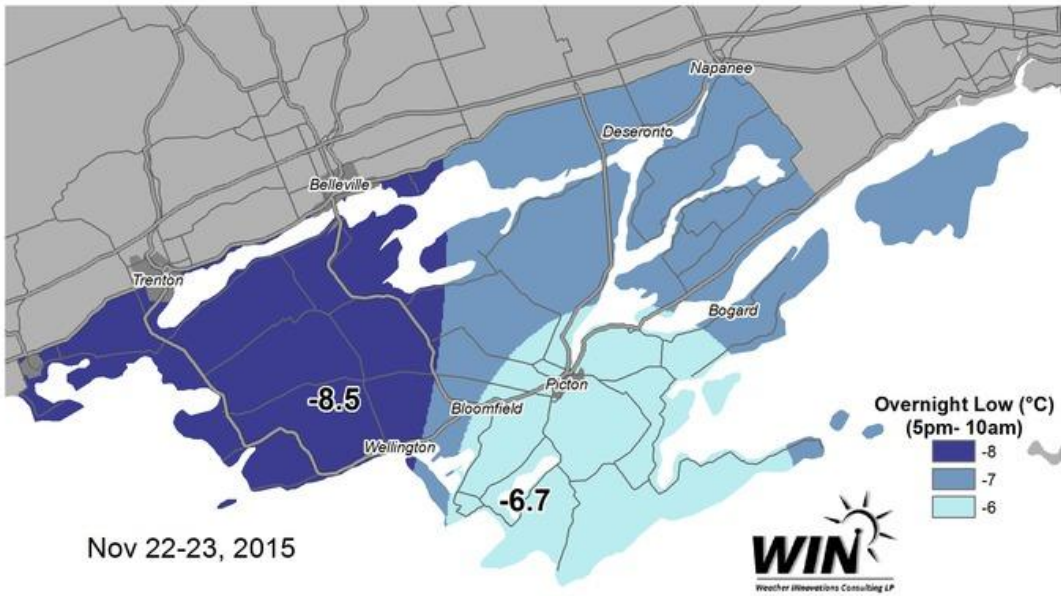


	Days with Icewine Temperatures
	Monthly Minimum



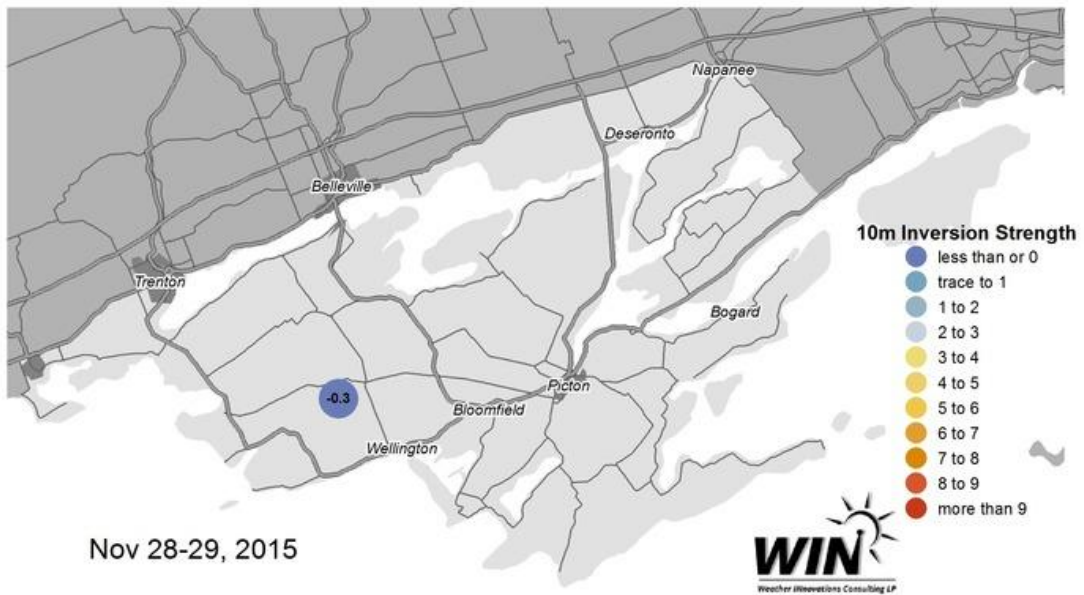
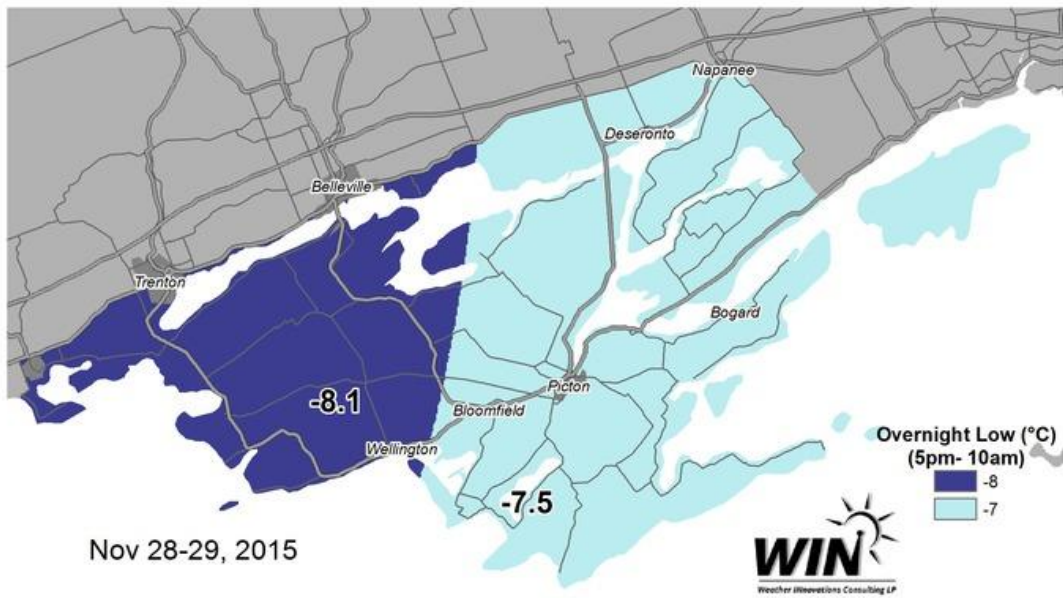
Inversion Strength

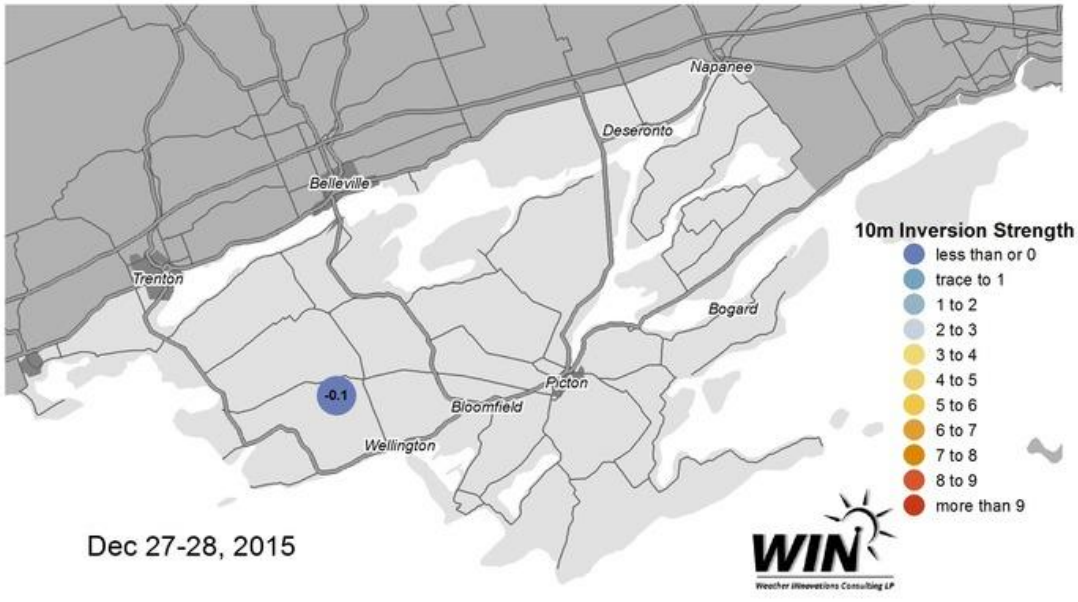
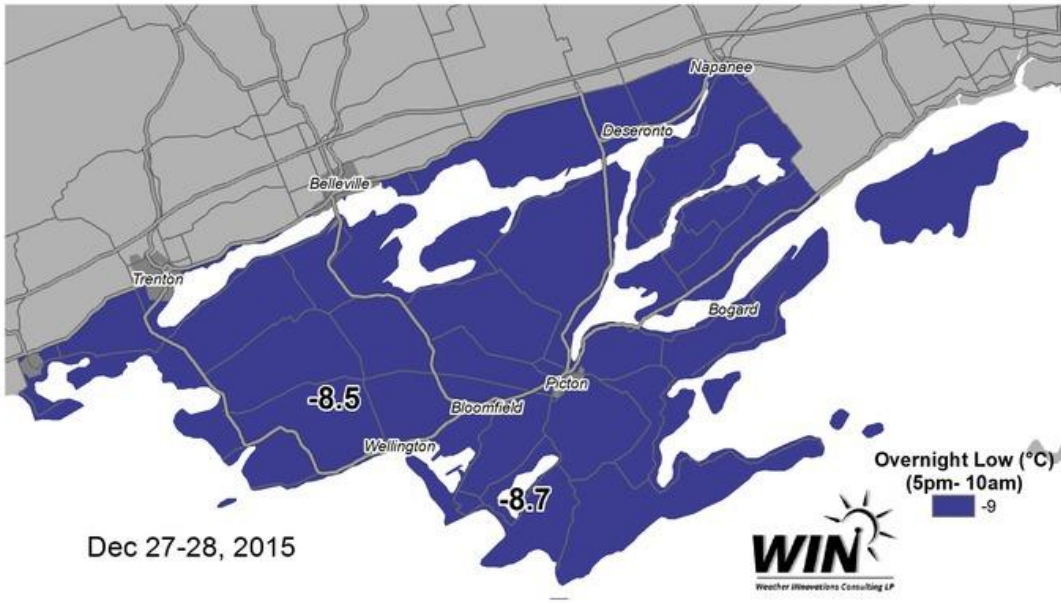
The following six figures show the coldest November and December nights: November 22-23, November 28-29 and December 27-28. Wind machines were not needed due to the mild temperatures.





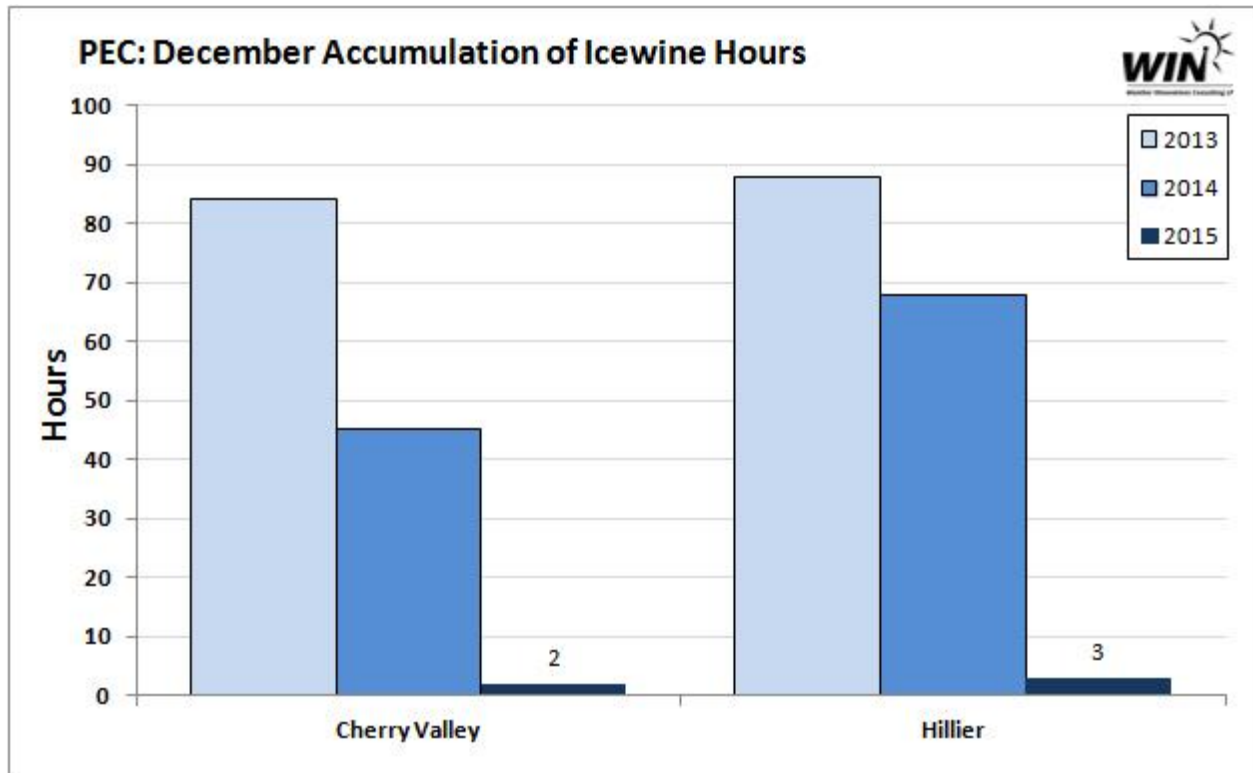
Weather INnovations Consulting LP PO Box 23005, Chatham, ON, N7L 0B1





Icewine Hours Analysis

Icewine hours were scarce in December 2015, as seen in the following figure, both stations accumulated significantly fewer icewine hours than 2013 and 2014. The Prince Edward County stations recorded between 2 and 3 icewine hours in December 2015, between 45 and 68 hours in 2014, and between 84 and 88 hours in 2013.



Summary

December 2015 temperatures were considerably above normal in the Price Edward County appellation; average temperatures for the month were 7.1°C to 7.3°C above the 30-year normals. The coldest temperature reached was -8.7°C on December 28 at the Cherry Valley station. December 2015 provided limited opportunities for harvesting icewine grapes at both locations, leading to a later completion of icewine harvest for many this year.