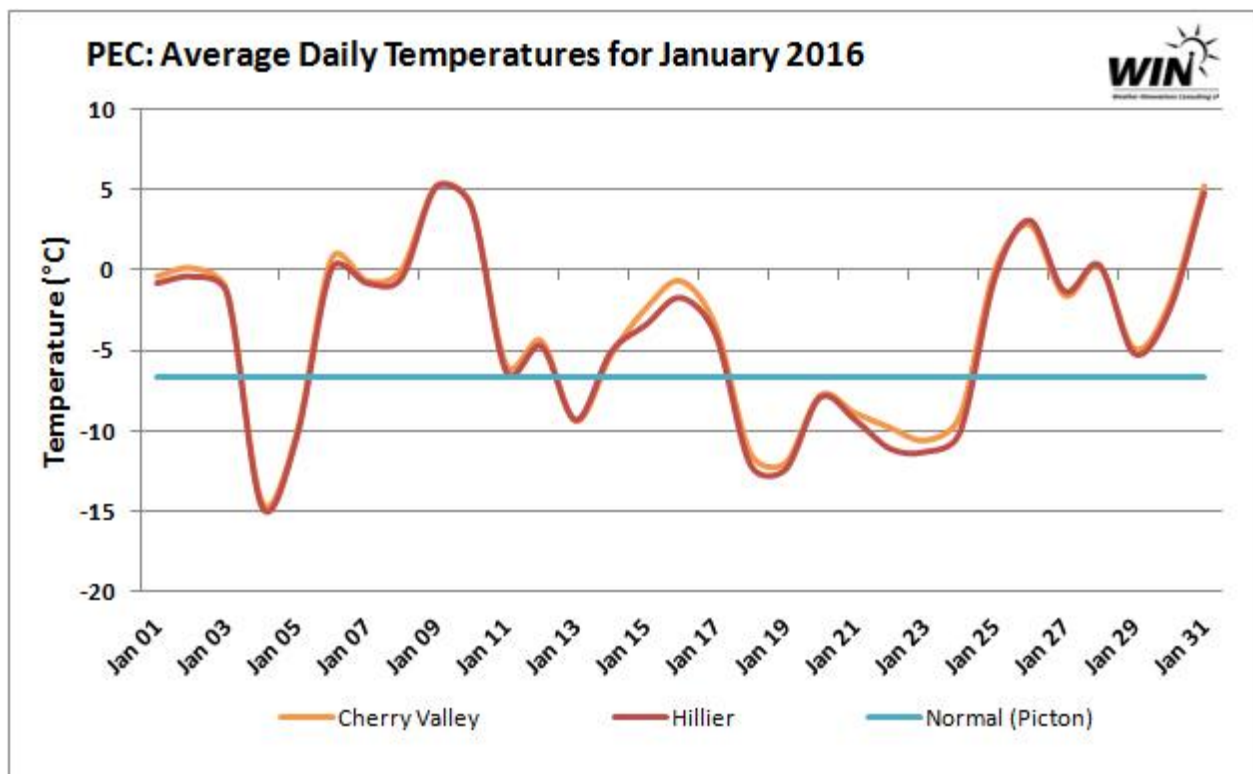




January 2016

Overview

Following a warm December, January temperatures continued to be warmer than normal. Average monthly temperatures were -3.8°C at Cherry Valley and -4.2°C at Hillier (compared to -8.1°C at Cherry Valley and -8.3°C at Hillier in 2015). Accordingly, the average monthly temperatures were 2.5°C to 2.9°C above normal for this appellation, compared to 1.4°C to 1.6°C below normal in 2015. These statistics are based on Environment Canada's 30-year normals for Picton. This summary illustrates minimum January 2016 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°C and -12.0°C , inclusive.



Temperature Analysis

The January 2016 monthly minimum temperature for each site was -18.6°C at the Cherry Valley station (compared to -27.9°C in 2015) and -19.9°C at the low-lying Hillier station (compared to -31.3°C in 2015). The coldest temperature occurred on January 5 at Cherry Valley and January 24 at Hillier. There were 17 days when temperatures at one or more stations dipped into icewine temperature ranges (compared to 25 days in January 2015).



PEC: January 2016 Daily Minimums

Date	Cherry Valley	Hillier
1-Jan	-1.4	-2.1
2-Jan	-1.7	-2.6
3-Jan	-13	-13.7
4-Jan	-17.3	-17.4
5-Jan	-18.6	-19
6-Jan	-2	-2.1
7-Jan	-6	-6.1
8-Jan	-5.8	-5.7
9-Jan	3.2	3.5
10-Jan	-2.6	-3.2
11-Jan	-8.8	-8.7
12-Jan	-8.1	-8.7
13-Jan	-11.9	-13
14-Jan	-9.8	-8.4
15-Jan	-4.9	-4.8
16-Jan	-4	-5.4
17-Jan	-8.8	-10.3
18-Jan	-14.2	-15.9
19-Jan	-17.8	-18.7
20-Jan	-13	-12.4
21-Jan	-13.3	-16.5
22-Jan	-15.1	-19.5
23-Jan	-15.4	-17.5
24-Jan	-17.6	-19.9
25-Jan	-3.3	-4.7
26-Jan	1.4	1.6
27-Jan	-7.8	-7.1
28-Jan	-2.1	-2.1
29-Jan	-11.2	-11.9
30-Jan	-11.5	-11.5
31-Jan	1.7	-0.4



	Days with Icewine Temperatures
	Monthly Minimum



PEC: January 2016 Daily Temperatures Compared to Normal

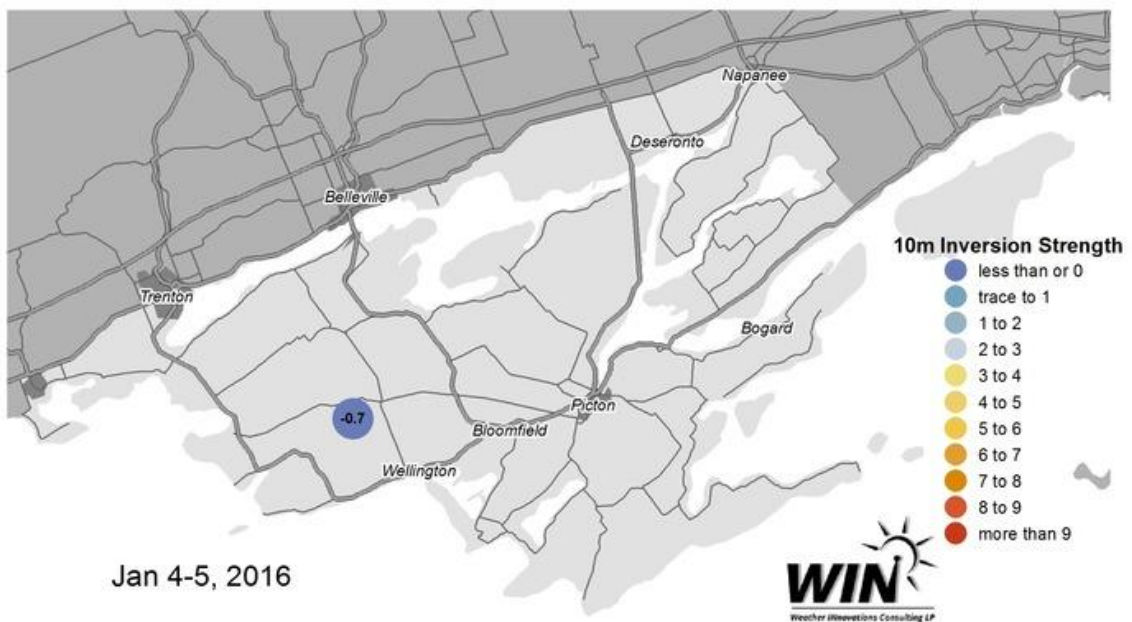
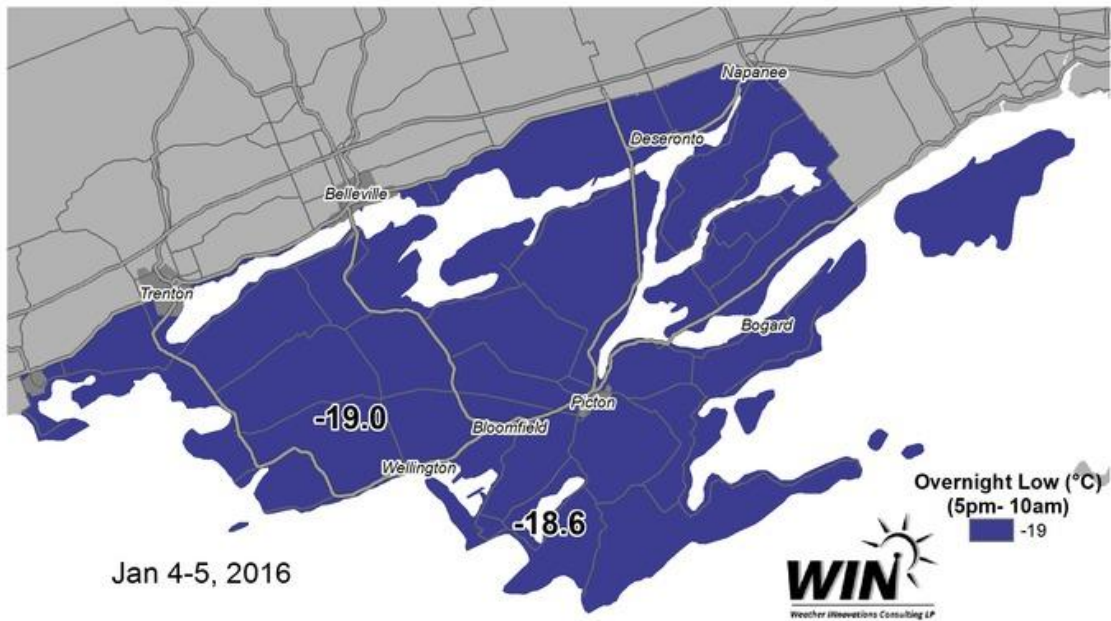
	Cherry Valley	Hillier	Normal (Picton)
Days with Maximum Temperature:			
<= 0 °C	14	14	18.3
> 0 °C	17	17	12.8
> 10 °C	0	0	0.3
> 20 °C	0	0	0
> 30 °C	0	0	0
> 35 °C	0	0	0
Days with Minimum Temperature:			
> 0 °C	3	2	1.9
<= 2 °C	30	30	30.4
<= 0 °C	28	29	29.1
<= -2 °C	26	28	25.8
<= -10 °C	13	14	16.2
<= -20 °C	0	0	4.7
<= -30 °C	0	0	0.5

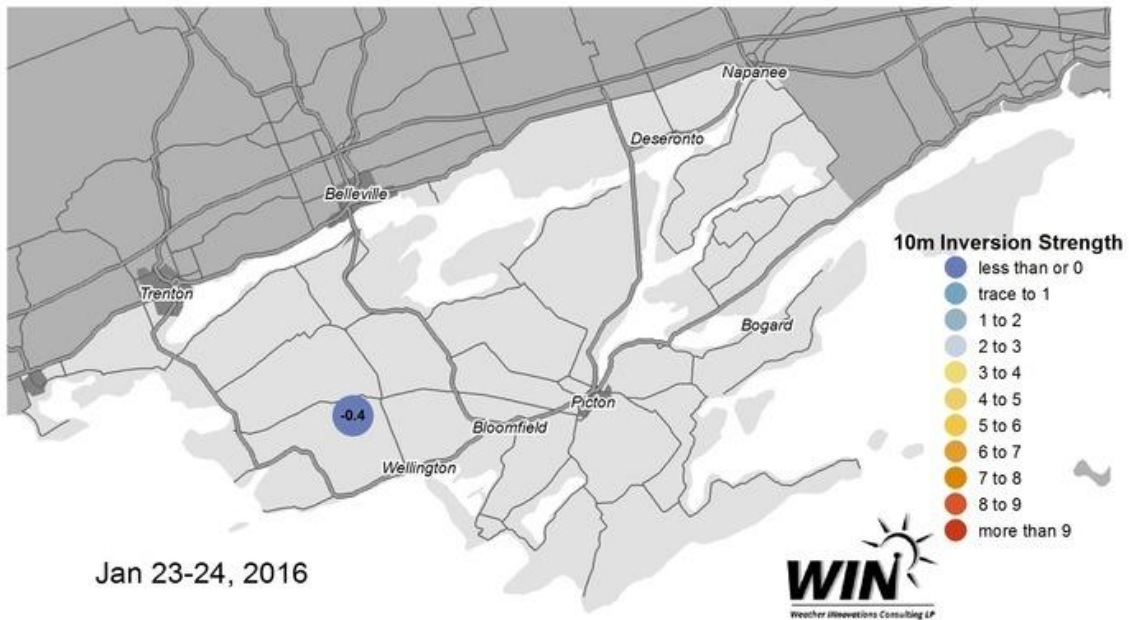
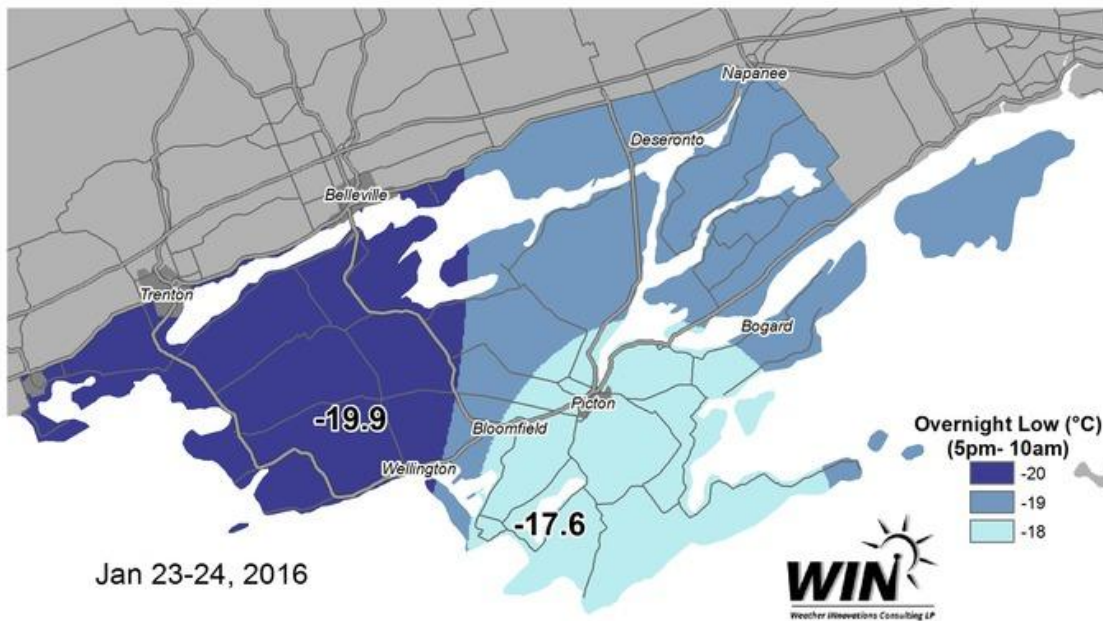




Inversion Strength

The following four figures show the two coldest January nights: January 4-5 and 23-24. Note that on both nights, inversion strengths were not suitable for running wind machines.



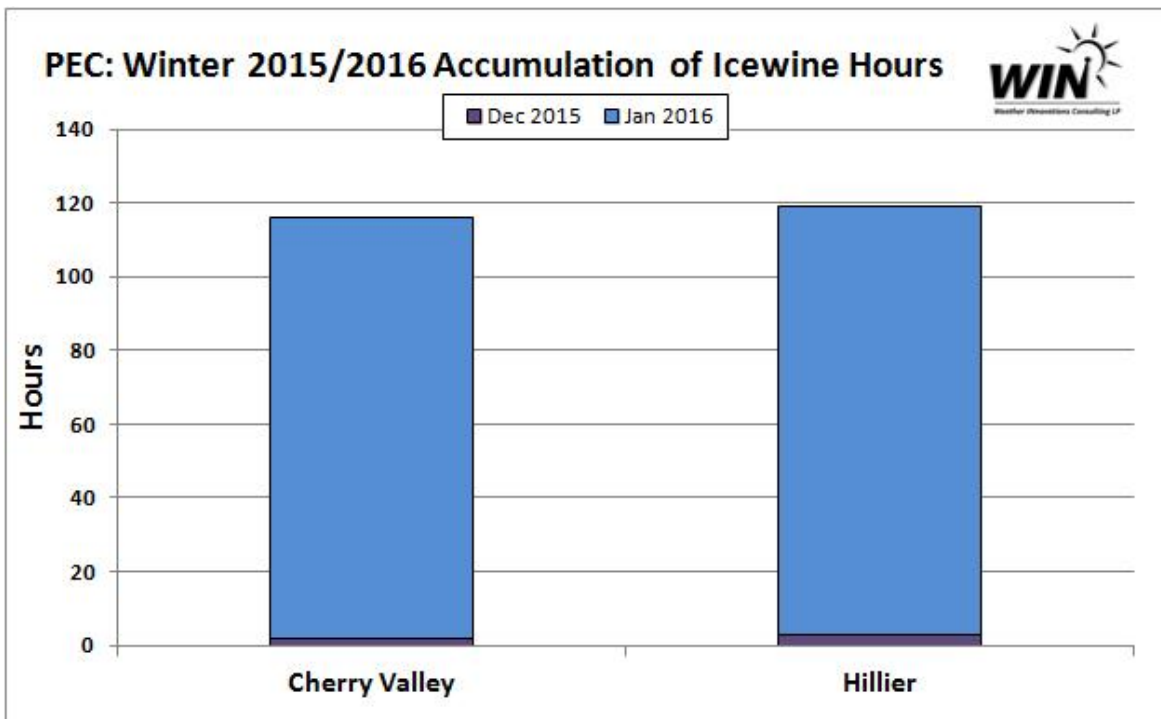
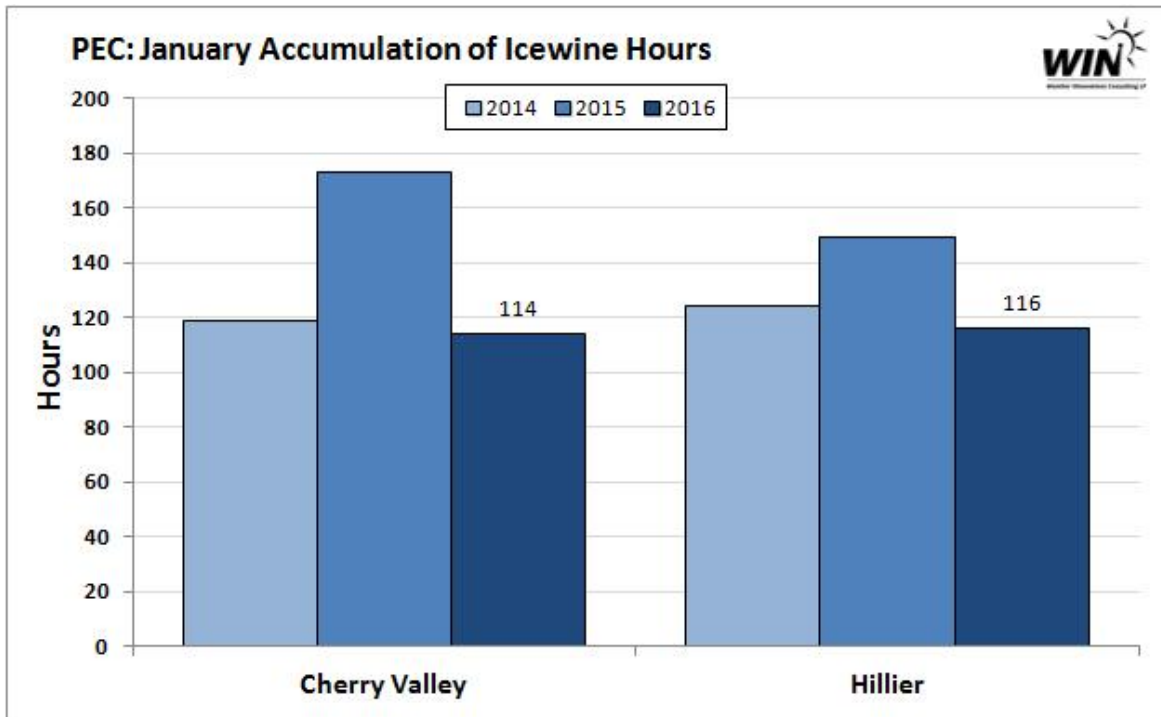


Icewine Hours Analysis

As seen in the following two figures, all of the stations accumulated a fewer number of icewine hours than in 2015 and 2014. A total of 114 icewine hours were recorded at the Cherry Valley station (compared to 173 hours in 2015) and 116 icewine hours at the Hillier station (compared to 149 hours in



2015). The 2015/2016 two month accumulations totaled between 116 hours and 119 hours. The following figures illustrate how the accumulation of icewine hours differed between the two sites.





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Summary

January 2016 temperatures were above normal in the Prince Edward County appellation. Average temperatures for the month were 2.5°C to 2.9°C above the 30-year normals. The coldest events took place on January 5 and January 24 with the coldest temperature reaching -19.9°C at the low-lying Hillier station. January 2016 provided a suitable number of opportunities for harvesting icewine grapes, allowing for the completion of most icewine harvests.