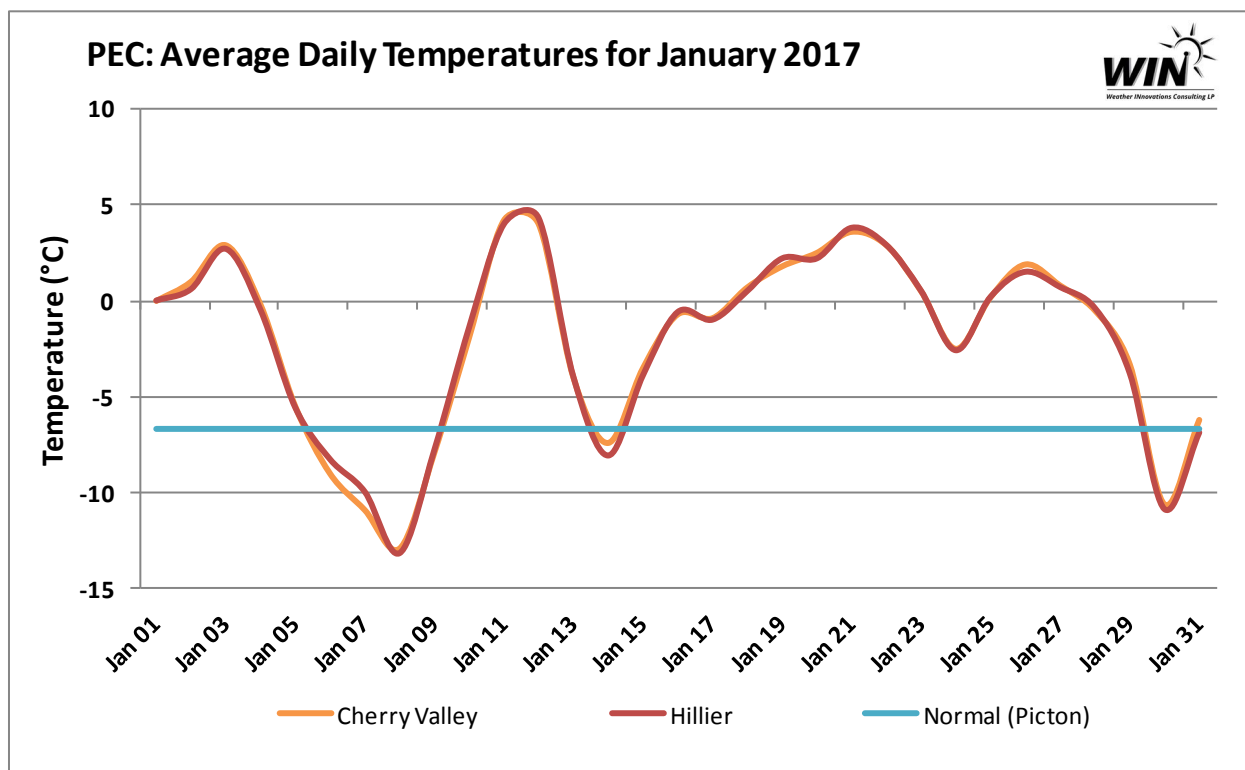




January 2017

Overview

Following a warm December, January temperatures continued to be warmer than normal. Average monthly temperatures were -2°C at both Cherry Valley and Hillier (compared to -3.8°C at Cherry Valley and -4.2°C at Hillier in 2016). Accordingly, the average monthly temperatures were 4.7°C above normal for Prince Edward County, compared to 2.5°C to 2.9°C below normal in 2016. These statistics are based on Environment Canada's 30-year normals for Picton. This summary illustrates minimum January 2017 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 2017 monthly minimum temperature for each site was -20.4°C at the Cherry Valley station (compared to -18.6°C in 2016) and -20.1°C at the low-lying Hillier station (compared to -19.9°C in 2016). The coldest temperature occurred on January 9 at both Cherry Valley and Hillier. There were 11 days when temperatures at one or more stations dipped into icewine temperature ranges (compared to 17 days in January 2016).



PEC: January 2017 Daily Minimums

Date	Cherry Valley	Hillier
1-Jan	-4.1	-3
2-Jan	-3.8	-4.1
3-Jan	2.6	1.6
4-Jan	-5.8	-6
5-Jan	-8.5	-8.7
6-Jan	-14.8	-11
7-Jan	-17.5	-14.1
8-Jan	-19	-19.4
9-Jan	-20.4	-20.1
10-Jan	-3.6	-3.1
11-Jan	1.1	1.7
12-Jan	-0.7	-0.6
13-Jan	-10.5	-10.3
14-Jan	-12.9	-13.2
15-Jan	-8.1	-7.3
16-Jan	-5.6	-6
17-Jan	-5.1	-4.5
18-Jan	-1	-0.8
19-Jan	0.7	0.8
20-Jan	0.6	1
21-Jan	2.4	2.3
22-Jan	0.6	0.5
23-Jan	-1.1	-1.4
24-Jan	-3.7	-5.4
25-Jan	-3.7	-3.9
26-Jan	1.1	0.7
27-Jan	0.1	-0.1
28-Jan	-1.5	-1.1
29-Jan	-8.7	-8.9
30-Jan	-15.2	-15
31-Jan	-14.8	-14.7



	Days with Icewine Temperatures
	Monthly Minimum



PEC: January 2017 Daily Temperatures Compared to Normal

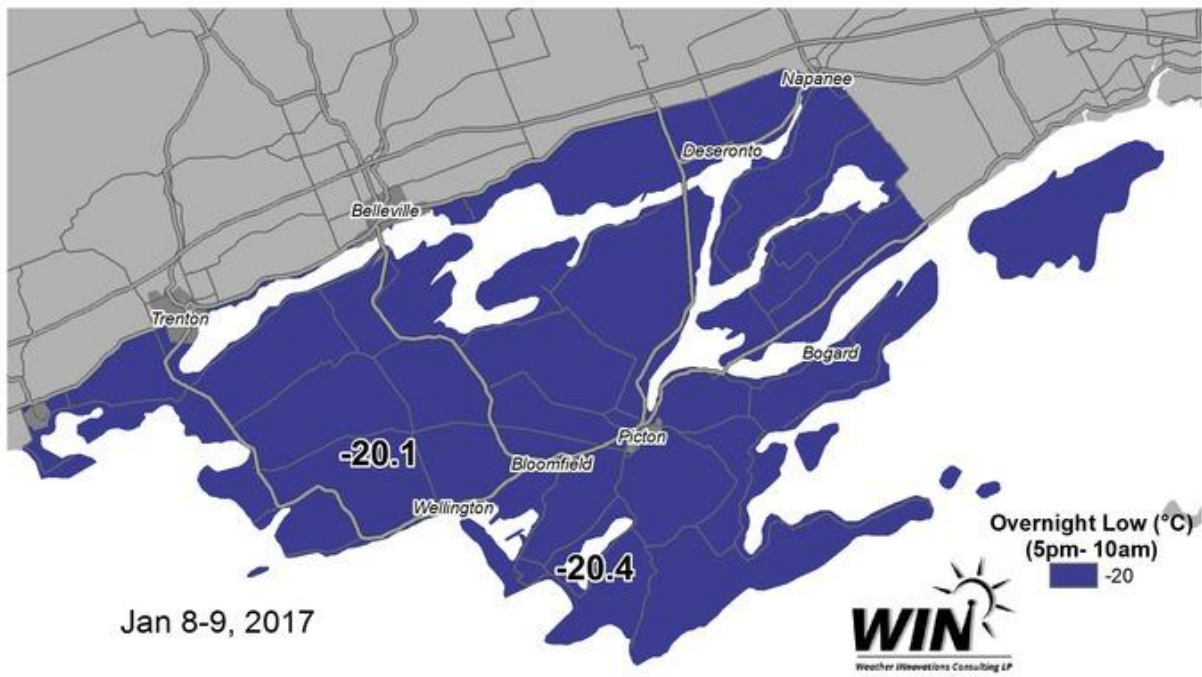
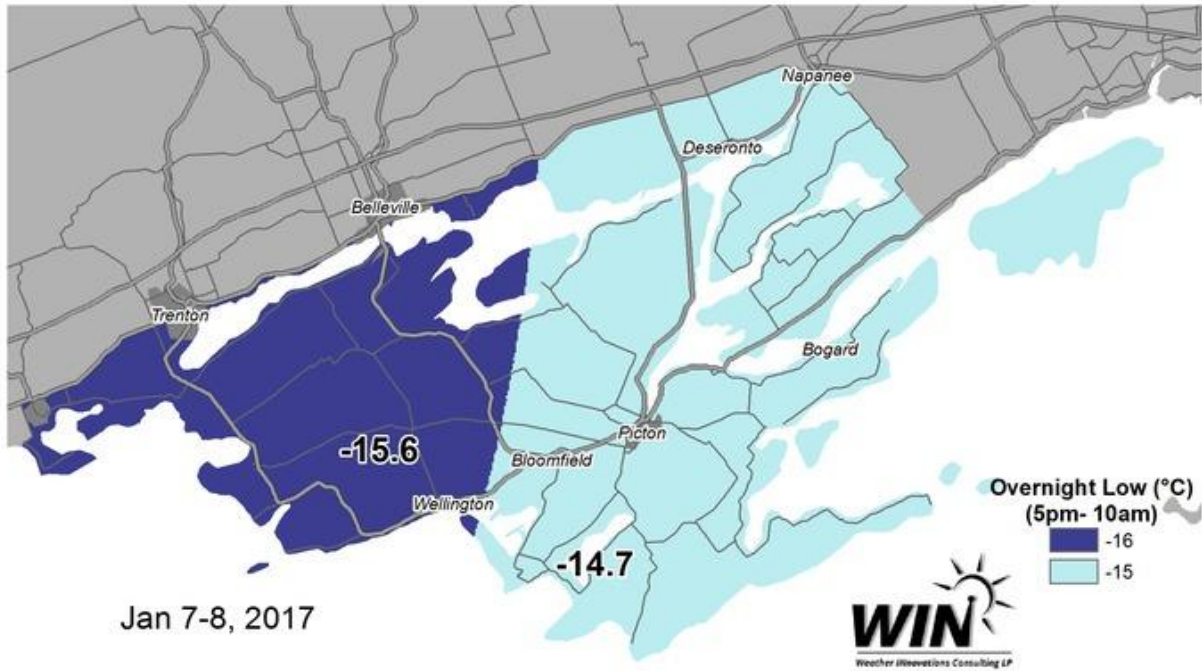
	Cherry Valley	Hillier	Normal (Picton)
Days with Maximum Temperature:			
<= 0 °C	11	11	18.3
> 0 °C	20	20	12.8
> 10 °C	0	0	0.3
> 20 °C	0	0	0
> 30 °C	0	0	0
> 35 °C	0	0	0
Days with Minimum Temperature:			
> 0 °C	8	7	1.9
<= 2 °C	29	30	30.4
<= 0 °C	23	24	29.1
<= -2 °C	19	19	25.8
<= -10 °C	8	8	16.2
<= -20 °C	1	1	4.7
<= -30 °C	0	0	0.5





Inversion Strength

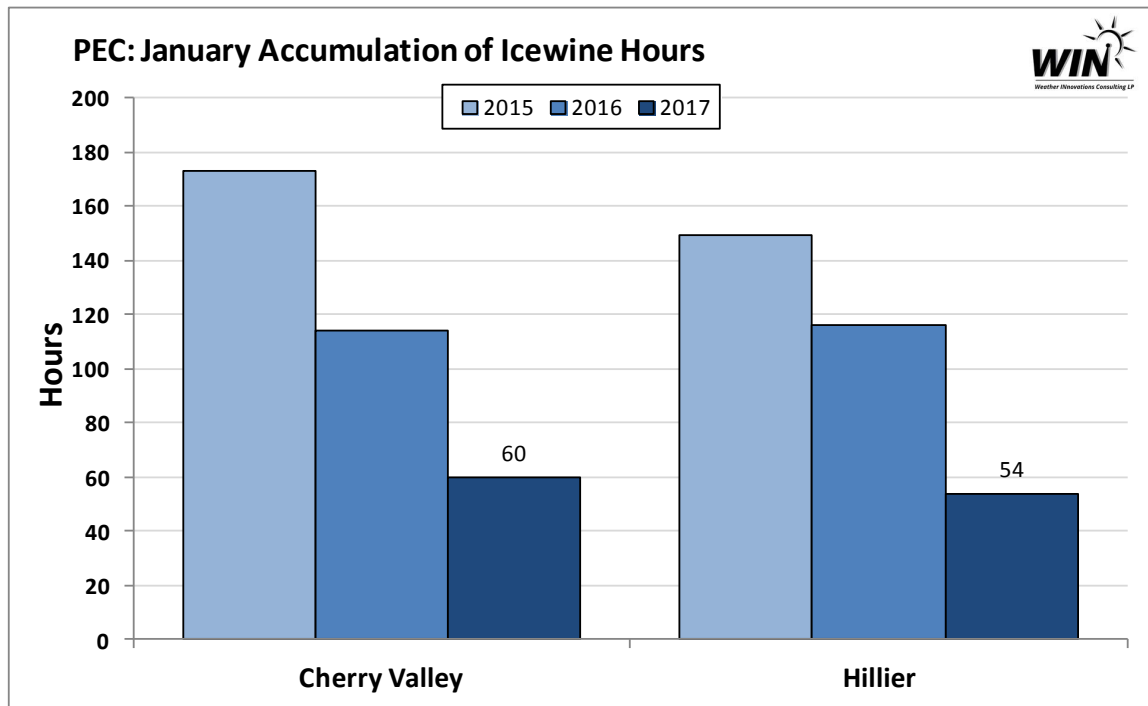
The following two figures show the two coldest January nights: January 7-8 and 8-9.

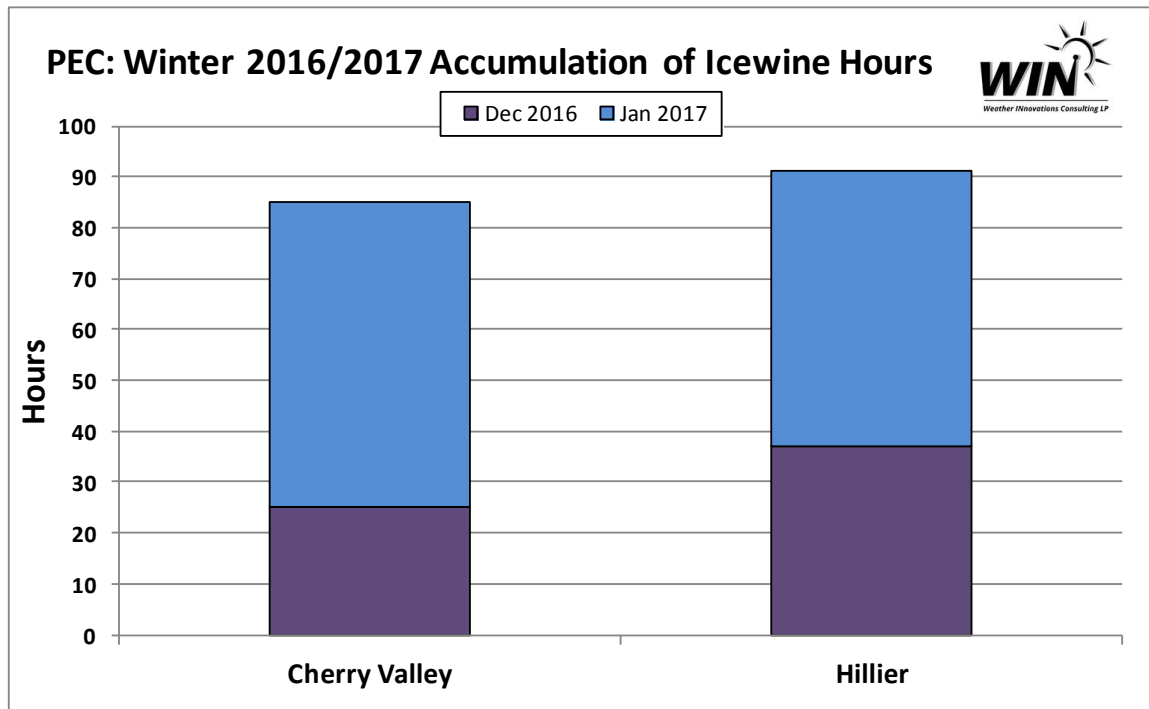




Icewine Hours Analysis

As seen in the following two figures, both stations accumulated fewer icewine hours than in 2016 and 2015. A total of 60 icewine hours were recorded at the Cherry Valley station (compared to 114 hours in 2016) and 54 icewine hours at the Hillier station (compared to 116 hours in 2016). The 2016/2017 two month accumulations totaled between 85 hours and 91 hours. The following figures illustrate how the accumulation of icewine hours differed between the two sites.





Summary

January 2017 temperatures were above normal in the Prince Edward County appellation. Average temperatures for the month were 4.7°C above the 30-year normals. The coldest events took place on January 9 with the coldest temperature reaching -20.4°C at the Cherry Valley station. January 2017 provided a suitable number of opportunities for harvesting icewine grapes, allowing for the completion of most icewine harvests.