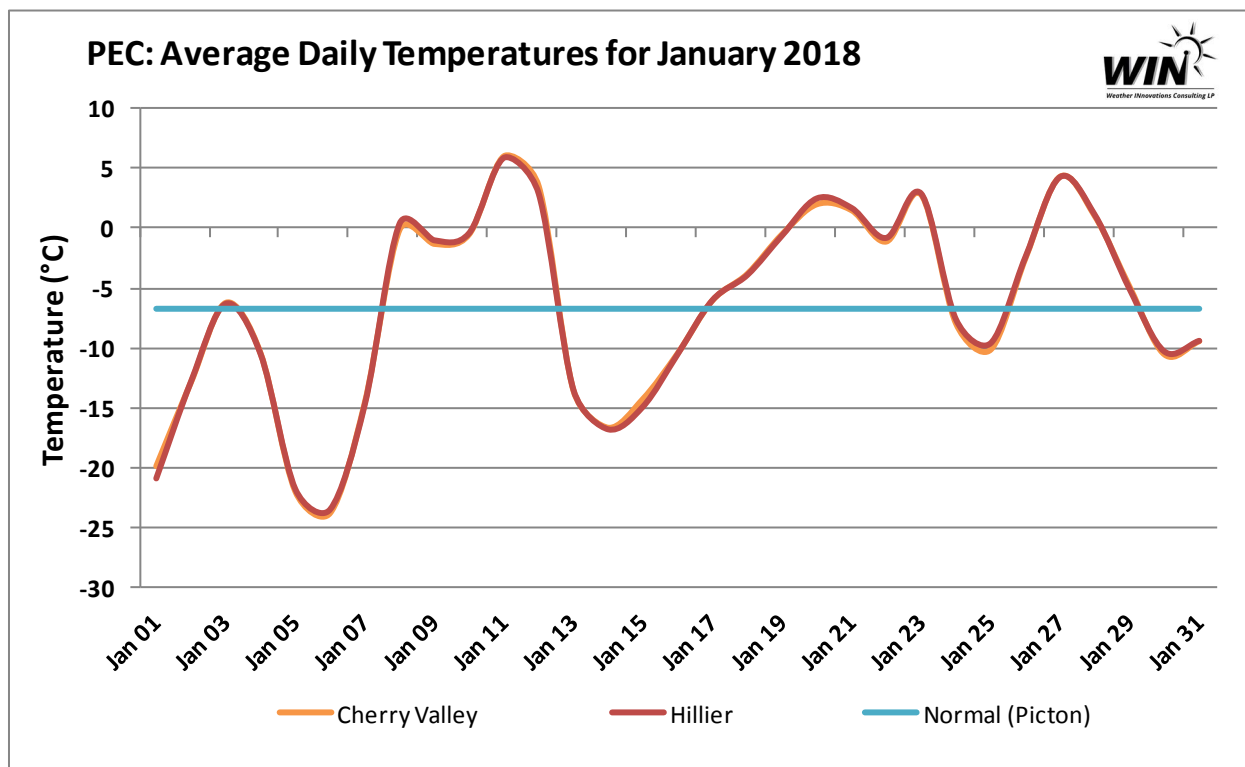




## January 2018

### Overview

Prince Edward County saw below normal temperatures in early and mid January. Average monthly temperatures were  $-6.5^{\circ}\text{C}$  at both Cherry Valley and Hillier (compared to  $-2^{\circ}\text{C}$  at both Cherry Valley and Hillier in 2017). Accordingly, the average monthly temperatures were  $0.2^{\circ}\text{C}$  above normal for Prince Edward County, compared to  $4.7^{\circ}\text{C}$  above normal in 2017. These statistics are based on Environment Canada's 30-year normals for Picton. This summary illustrates minimum January 2018 temperatures and the icewine harvest opportunities that arose. For this report, icewine hours are defined as instances when the average hourly temperature ranged between  $-8.0^{\circ}\text{C}$  and  $-12.0^{\circ}\text{C}$ , inclusive.



### Temperature Analysis

The January 2017 monthly minimum temperature for each site was  $-30.9^{\circ}\text{C}$  at the Cherry Valley station (compared to  $-20.4^{\circ}\text{C}$  in 2017) and  $-31.3^{\circ}\text{C}$  at the low-lying Hillier station (compared to  $-20.1^{\circ}\text{C}$  in 2017). The coldest temperature occurred on January 1 at Hillier and on January 7 at Cherry Valley. There were 16 days when temperatures at one or more stations dipped into icewine temperature ranges (compared to 11 days in January 2017).



### PEC: January 2018 Daily Minimums

Date	Cherry Valley	Hillier
1-Jan	-29.3	-31.3
2-Jan	-26.2	-24.6
3-Jan	-8	-8.7
4-Jan	-19.4	-19.6
5-Jan	-24.2	-24.3
6-Jan	-26.7	-26.6
7-Jan	-30.9	-29.2
8-Jan	-2.6	-2.2
9-Jan	-7.7	-8.3
10-Jan	-8.7	-8.2
11-Jan	3.4	3.3
12-Jan	-10.3	-10.3
13-Jan	-19	-18.8
14-Jan	-23.9	-24.2
15-Jan	-17.2	-17.9
16-Jan	-14.5	-14.7
17-Jan	-9.3	-9.2
18-Jan	-4.5	-5
19-Jan	-2.5	-2.4
20-Jan	0.7	1.5
21-Jan	-0.4	-0.5
22-Jan	-2.7	-2.8
23-Jan	-4.1	-4.6
24-Jan	-10.2	-10.4
25-Jan	-14.4	-14.2
26-Jan	-10	-9.1
27-Jan	1.7	1.7
28-Jan	-2.9	-3.1
29-Jan	-7.4	-7.5
30-Jan	-17.8	-19
31-Jan	-23.9	-22.6



	Days with Icewine Temperatures
	Monthly Minimum



### PEC: January 2018 Daily Temperatures Compared to Normal

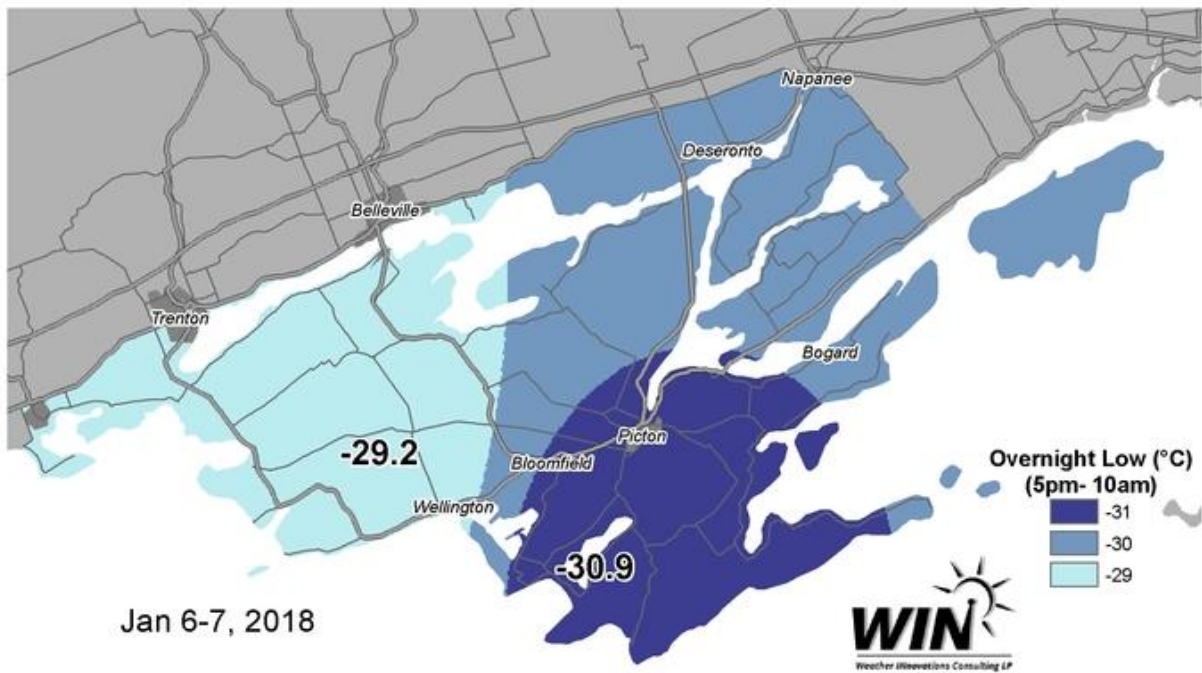
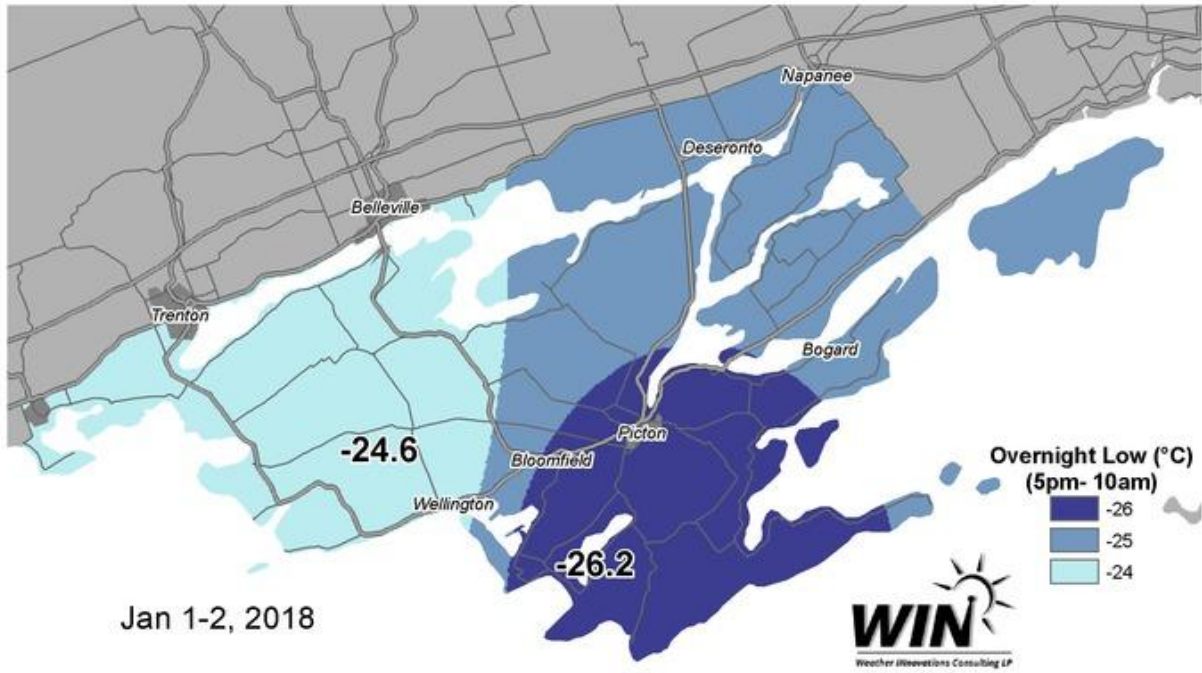
	Cherry Valley	Hillier	Normal (Picton)
<b>Days with Maximum Temperature:</b>			
<= 0 °C	17	17	18.3
> 0 °C	14	14	12.8
> 10 °C	1	0	0.3
> 20 °C	0	0	0
> 30 °C	0	0	0
> 35 °C	0	0	0
<b>Days with Minimum Temperature:</b>			
> 0 °C	3	3	1.9
<= 2 °C	30	30	30.4
<= 0 °C	28	28	29.1
<= -2 °C	27	27	25.8
<= -10 °C	16	15	16.2
<= -20 °C	7	7	4.7
<= -30 °C	1	1	0.5





### Inversion Strength

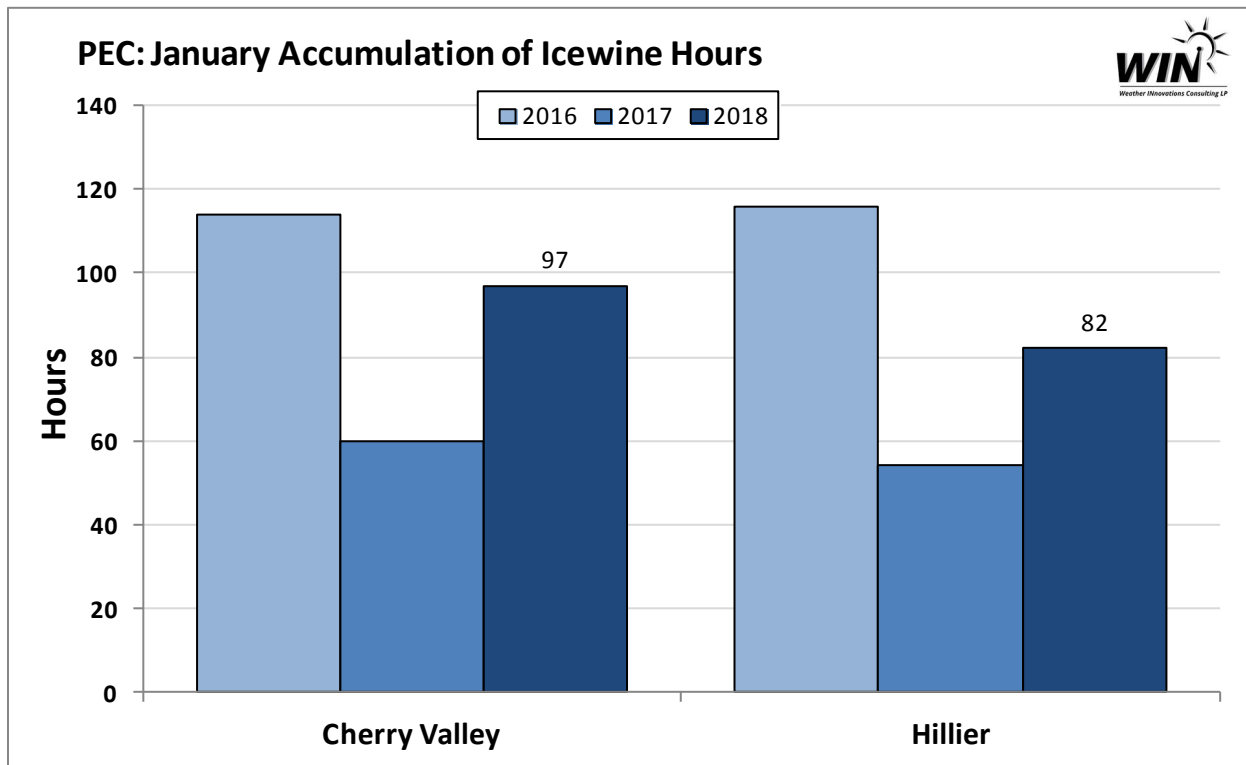
The following two figures show the two coldest January nights: January 1-2 and 6-7.

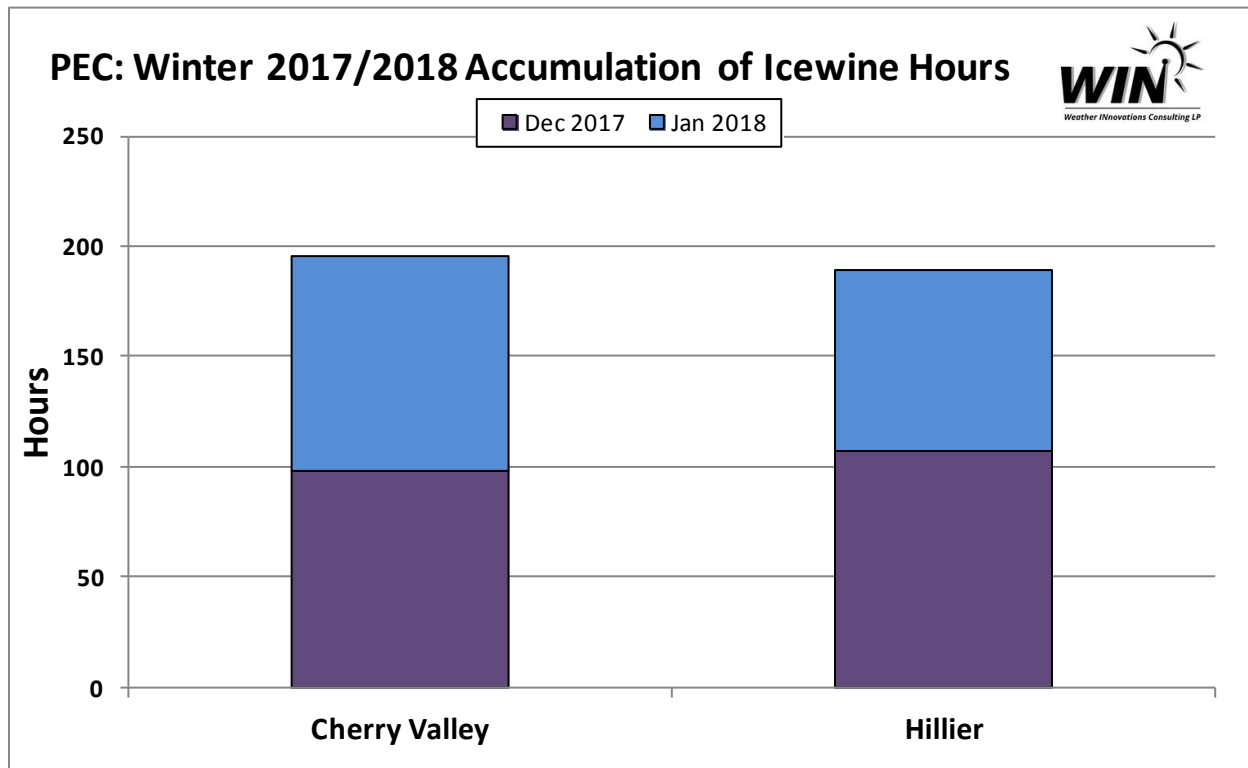




### Icewine Hours Analysis

As seen in the following two figures, both stations accumulated more icewine hours than in 2017 and fewer hours than in 2016. A total of 97 icewine hours were recorded at the Cherry Valley station (compared to 60 hours in 2017) and 82 icewine hours at the Hillier station (compared to 54 hours in 2016). The 2017/2018 two month accumulations totaled between 189 hours and 195 hours. The following figures illustrate how the accumulation of icewine hours differed between the two sites.





## Summary

January 2018 temperatures were above normal in the Prince Edward County appellation. Average temperatures for the month were 0.2°C above the 30-year normals. The coldest event took place on January 1 with the coldest temperature reaching -31.3°C at the Hillier station. January 2018 provided a suitable number of opportunities for harvesting icewine grapes, allowing for the completion of most icewine harvests.