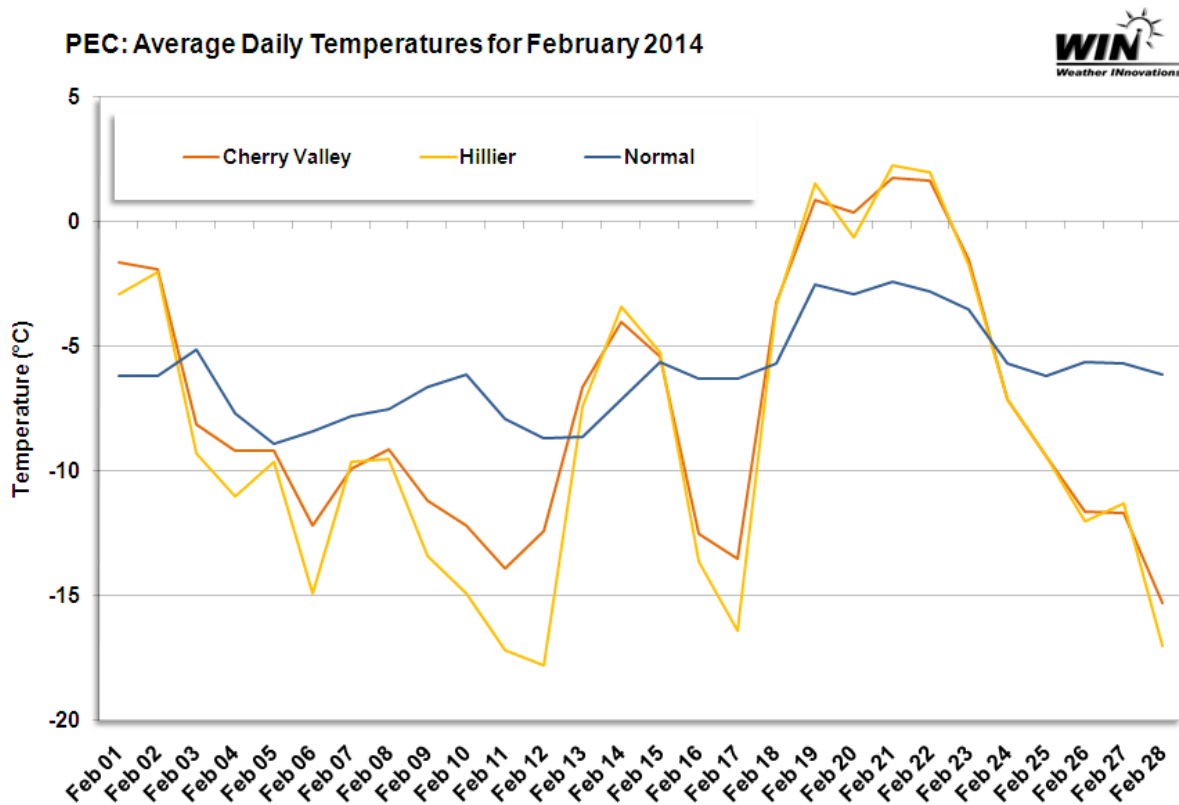


## Overview

The colder-than-normal temperatures experienced this winter continued into February 2014. Average monthly temperatures were  $-7.4^{\circ}\text{C}$  at Cherry Valley and  $-8.4^{\circ}\text{C}$  at Hillier. Accordingly, the average monthly temperatures were  $1.1^{\circ}\text{C}$  –  $2.1^{\circ}\text{C}$  below normal for this appellation, compared to  $0.2^{\circ}\text{C}$  –  $1.1^{\circ}\text{C}$  above normal in 2013. These statistics are based on Environment Canada’s 30-year normal for Picton. This summary illustrates February 2014 temperatures and icewine hours. 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 February 2014 monthly minimum temperature for each site was  $-22.5^{\circ}\text{C}$  at the Cherry Valley station (compared to  $-20.0^{\circ}\text{C}$  in 2013) and  $-32.8^{\circ}\text{C}$  at the Hillier station (compared to  $-27.2^{\circ}\text{C}$  in 2013). A strong inversion was present during the time at which the Hillier station reached  $-32.8^{\circ}\text{C}$ . Note that there were a significantly greater-than-normal number of days when the minimum temperature was below  $-20^{\circ}\text{C}$ . There were 21 days (compared to 18 days in 2013) when temperatures, at one or more stations, dipped into icewine temperature ranges. These temperature characteristics are illustrated in the following figures.

**PEC: February 2014 Daily Minimums**

Date	Cherry Valley	Hillier
1-Feb	-6.8	-12.2
2-Feb	-6.4	-7.4
3-Feb	-13.1	-19.8
4-Feb	-15.7	-20.7
5-Feb	-16.9	-21.8
6-Feb	-20.8	-31.3
7-Feb	-12.3	-11.8
8-Feb	-12.7	-15.3
9-Feb	-18.8	-26.4
10-Feb	-19.4	-27.9
11-Feb	-19.1	-28.9
12-Feb	-22.5	-32.8
13-Feb	-12	-19.2
14-Feb	-7.1	-6.4
15-Feb	-13	-13.3
16-Feb	-18	-23.8
17-Feb	-20.6	-30.5
18-Feb	-7	-10.8
19-Feb	-3.9	-3.4
20-Feb	-1.7	-7.8
21-Feb	0.9	1.1
22-Feb	0.5	0.5
23-Feb	-5.7	-6.3
24-Feb	-9.4	-9.6
25-Feb	-12.1	-15.3
26-Feb	-14.8	-16.7
27-Feb	-16.2	-17.9
28-Feb	-22.4	-32.2

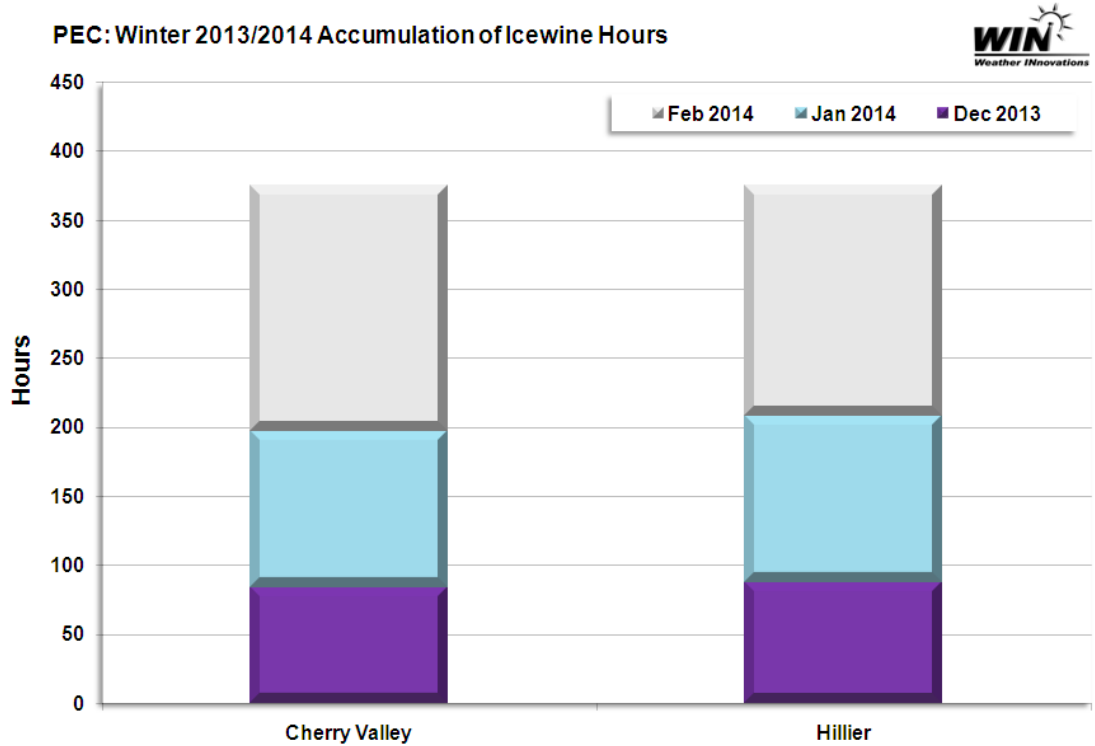
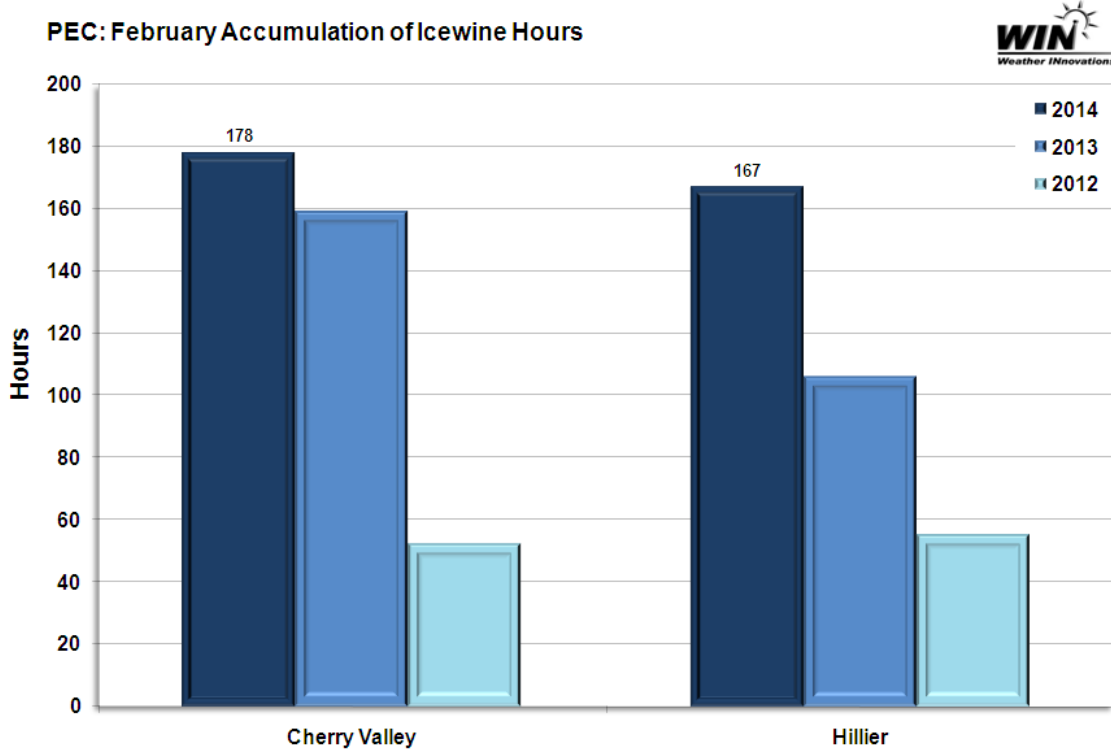
	Days with Icewine Temperatures
	Monthly Minimum

**PEC: February 2014 Daily Temperatures Compared to Normal**

	Cherry Valley	Hillier	Normal (Picton)
<b>Days with Maximum Temperature:</b>			
<= 0 °C	21	19	16.8
> 0 °C	7	9	11.4
> 10 °C	0	0	0.2
> 20 °C	0	0	0
> 30 °C	0	0	0
> 35 °C	0	0	0
<b>Days with Minimum Temperature:</b>			
> 0 °C	2	2	2.2
<= 2 °C	28	28	27.4
<= 0 °C	26	26	26
<= -2 °C	25	26	23.1
<= -10 °C	18	20	15.2
<= -20 °C	4	10	3.6
<= -30 °C	0	4	0.2

### Icewine Hours Analysis

A total of 178 icewine hours were recorded at the Cherry Valley station and 167 icewine hours at the Hillier station. The combined icewine hour totals for the entire winter equaled 375 hours (compared to 279 to 316 in the previous winter). The following figures illustrate the variability of accumulated icewine hours within the appellation.





## **Summary**

February 2014 temperatures were below normal in the Prince Edward County appellation; average temperatures for the month were 1.1°C to 2.1°C below the 30-year normal. The coldest event took place on the 12<sup>th</sup>, reaching -32.8°C at the low-lying Hillier station. Ample ice wine harvest opportunities occurred throughout this winter.