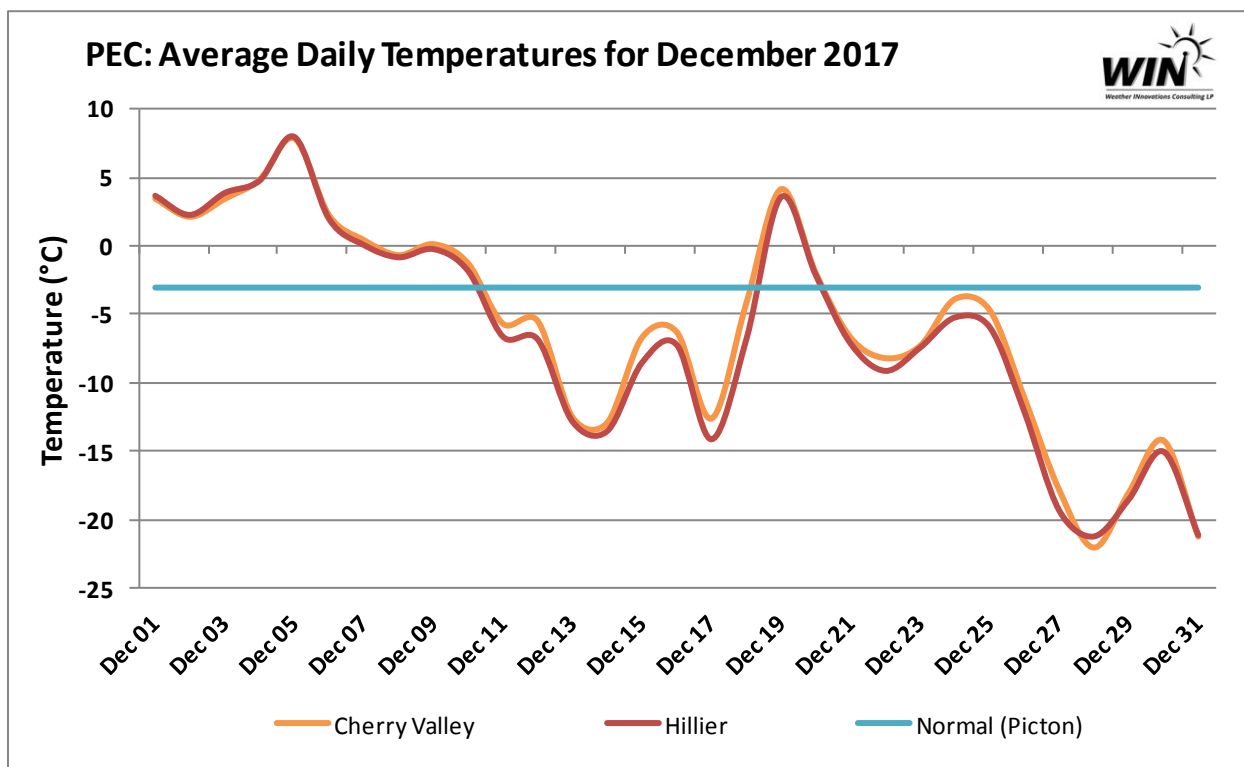




December 2017

Overview

December 2017 brought periods of below normal temperatures to the Prince Edward County appellation. Average monthly temperatures were -5.7°C at Cherry Valley and -6.3°C at Hillier (compared to -1.0°C at Cherry Valley and -1.4°C at Hillier in 2016). The average monthly temperatures were 2.7°C below normal at Cherry Valley and 3.3°C below normal at Hillier (compared to 2°C above normal at Cherry Valley and 1.6°C above normal at Hillier in 2016). These statistics are based on Environment Canada's 30-year normal for Picton. This summary illustrates December 2017 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 2016 were -9.7°C at Cherry Valley and -10.1°C at the Hillier station. The lowest temperatures in December 2015 were -28°C (compared to -21.3°C in 2016) at the Cherry Valley station and -27.7°C (compare to -22.3°C) at the Hillier Station. These minimum temperatures occurred on December 28. There was 15 days in December (compared to 8 day in 2016) when temperatures, at one or more stations, dipped into icewine temperature ranges.



PEC: Daily Minimums

November 2017

Date	Cherry Valley Hillier	
	Cherry Valley	Hillier
1-Nov	3.4	3.6
2-Nov	6.9	6.6
3-Nov	1.9	0.4
4-Nov	-1	-1.1
5-Nov	7.6	7
6-Nov	0.2	-1.7
7-Nov	-2.7	-3
8-Nov	1.4	1.1
9-Nov	-0.1	-1.5
10-Nov	-9	-9.2
11-Nov	-9.7	-10.1
12-Nov	-0.5	-1.9
13-Nov	1.3	1.7
14-Nov	-3.2	-3.6
15-Nov	-3.5	-4
16-Nov	0.1	0
17-Nov	-5	-5.1
18-Nov	1.4	0
19-Nov	-2.2	-2.6
20-Nov	-4.3	-4.2
21-Nov	4.8	4.7
22-Nov	-5.6	-6.6
23-Nov	-6.2	-8.3
24-Nov	3.5	2.2
25-Nov	4.6	4
26-Nov	-1.7	-1.8
27-Nov	-6	-6.3
28-Nov	-5	-6.2
29-Nov	-4.9	-4.7
30-Nov	-2.4	-3.3

December 2017

Date	Cherry Valley Hillier	
	Cherry Valley	Hillier
1-Dec	-2.8	-1.4
2-Dec	-2.5	-1.3
3-Dec	-0.7	-0.4
4-Dec	-1.5	-1.6
5-Dec	3.1	2.6
6-Dec	0.8	0.4
7-Dec	-0.6	-1.6
8-Dec	-2.9	-2.2
9-Dec	-2.7	-2
10-Dec	-2.7	-3.7
11-Dec	-9.3	-10
12-Dec	-9	-9.8
13-Dec	-15.2	-16
14-Dec	-19.3	-20.9
15-Dec	-16.2	-18
16-Dec	-13.9	-15.2
17-Dec	-17.8	-19.1
18-Dec	-9.5	-11.8
19-Dec	2	-1.1
20-Dec	-8.1	-9.3
21-Dec	-10.5	-10.1
22-Dec	-10.3	-10.3
23-Dec	-9.8	-10.2
24-Dec	-6.6	-8.5
25-Dec	-8.4	-9.3
26-Dec	-16.7	-22.9
27-Dec	-22.6	-25.8
28-Dec	-28	-27.7
29-Dec	-21.7	-22.1
30-Dec	-17.8	-17.8
31-Dec	-25	-26.2

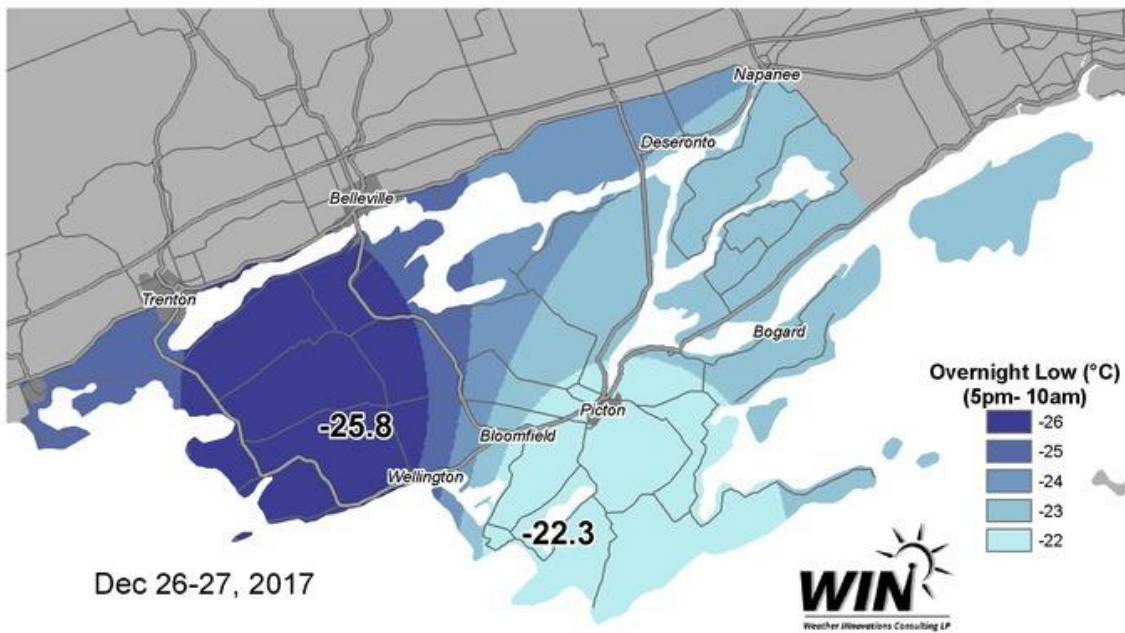


	Days with Icwine Temperatures
	Monthly Minimum

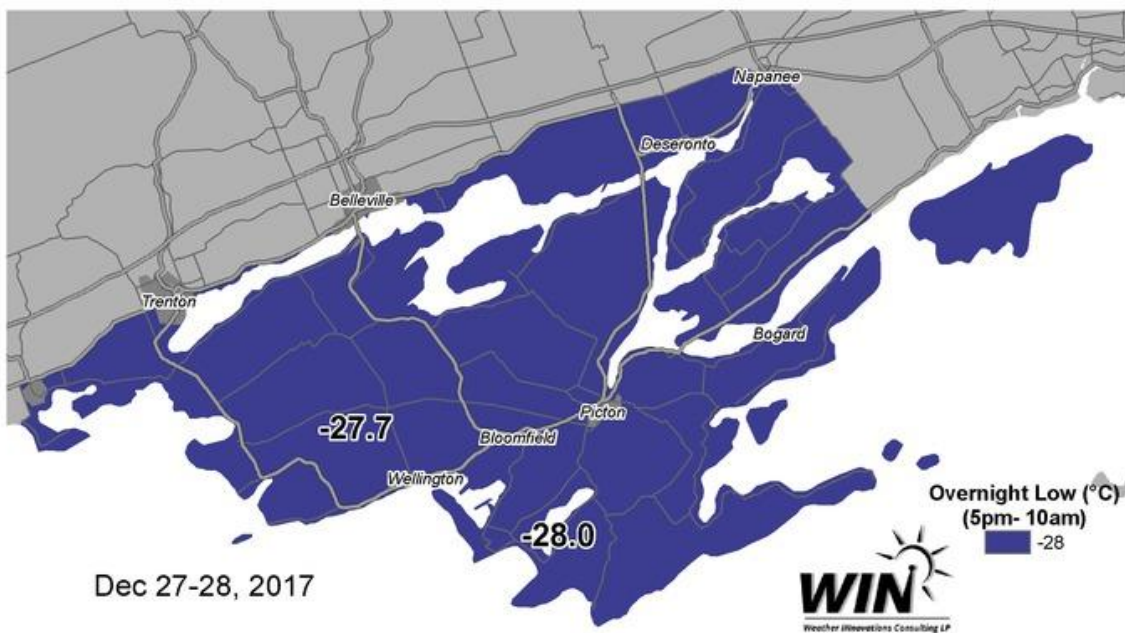


Inversion Strength

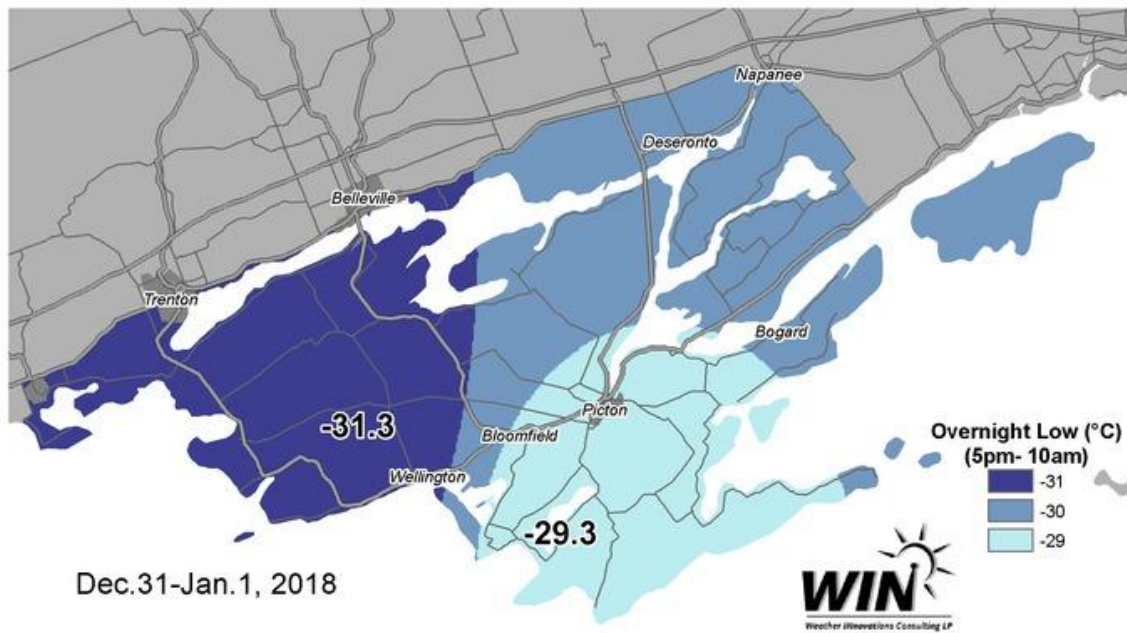
The following six figures show the coldest November and December nights: December 26-27, December 27-28 and December 31-January 1.



Dec 26-27, 2017

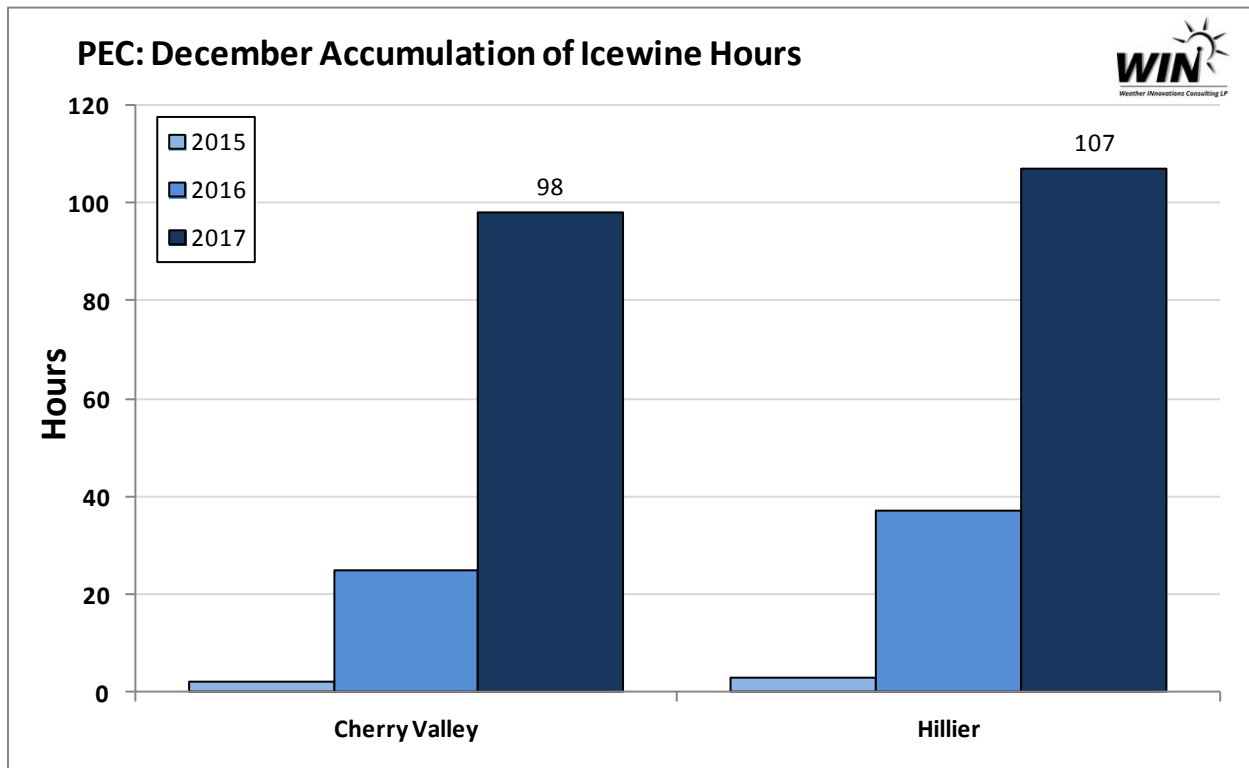


Dec 27-28, 2017



Icewine Hours Analysis

December 2017 saw some opportunities for icewine production, as seen in the following figure. Both stations accumulated significantly more icewine hours than in 2015 and 2016. The Prince Edward County stations recorded between 98 and 107 icewine hours in December 2016, between 25 and 37 hours in 2015, and between 2 and 3 hours in 2015.



Summary

December temperatures were below normal in the Price Edward County appellation; average temperatures for the month were 2.7°C to 3.3°C below the 30-year normals. The coldest temperature reached was -28°C on December 28 at the Cherry Valley station. December 2017 provided some opportunities for harvesting icewine grapes at both locations, leading to a earlier completion of icewine harvest for many this year.