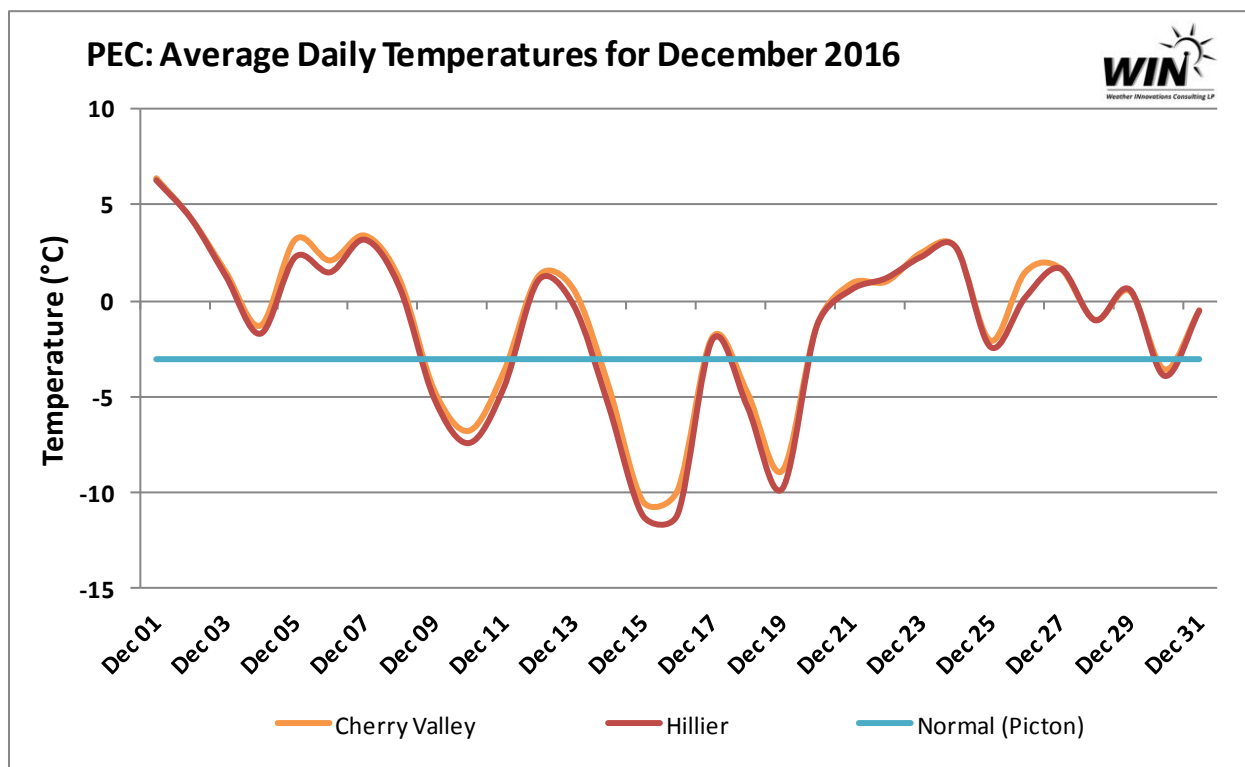




December 2016

Overview

December 2016 brought slightly above normal temperatures to the Prince Edward County appellation. Average monthly temperatures were -1.0°C at Cherry Valley and -1.4°C at Hillier (compared to 4.3°C at Cherry Valley and 4.1°C at Hillier in 2015). The average monthly temperatures were 2°C above normal at Cherry Valley and 1.6°C above normal at Hillier (compared to 7.3°C above normal at Cherry Valley and 7.1°C above normal at Hillier in 2015). These statistics are based on Environment Canada's 30-year normal for Picton. This summary illustrates December 2016 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 -7.4°C at Cherry Valley and -9.5°C at the Hillier station. The lowest temperatures in December 2015 were -21.3°C (compared to -8.7°C in 2015) at the Cherry Valley station and -22.3°C (compare to -8.5°C) at the Hillier Station. These minimum temperatures occurred on December 16. There was 8 days in December (compared to 1 day in 2015) when temperatures, at one or more stations, dipped into icewine temperature ranges.



PEC: Daily Minimums

November 2016

Date	Cherry Valley Hillier	
	Cherry Valley	Hillier
1-Nov	-1.1	-0.8
2-Nov	9.7	8.5
3-Nov	8.7	8.4
4-Nov	1.9	-1
5-Nov	8.5	7.4
6-Nov	-1.1	-1.2
7-Nov	-1.4	0.3
8-Nov	1.5	1
9-Nov	-3.2	-3.2
10-Nov	-4.4	-3.4
11-Nov	-0.3	-1.7
12-Nov	-6.5	-6.7
13-Nov	6.6	5.7
14-Nov	1.6	2.1
15-Nov	-0.1	0.8
16-Nov	3.9	2.6
17-Nov	1.3	2
18-Nov	4.5	3.6
19-Nov	3.3	3.1
20-Nov	-3.5	-3.7
21-Nov	-4	-4.6
22-Nov	-3.5	-6.6
23-Nov	-7.4	-9.5
24-Nov	-0.5	-1.8
25-Nov	0.9	0.4
26-Nov	0.1	1.4
27-Nov	-2.9	-2.9
28-Nov	-3.1	-2
29-Nov	3.7	2.4
30-Nov	0.1	1.4

December 2016

Date	Cherry Valley Hillier	
	Cherry Valley	Hillier
1-Dec	5.4	5.3
2-Dec	2.1	2.1
3-Dec	-0.2	-1.6
4-Dec	-4.7	-5.1
5-Dec	-0.3	-2.5
6-Dec	-2.7	-3
7-Dec	2.4	1.6
8-Dec	-2.5	-3
9-Dec	-7.6	-8.8
10-Dec	-11.3	-10.7
11-Dec	-8.1	-10
12-Dec	-1.3	-1
13-Dec	-1.2	-1.8
14-Dec	-6.4	-7.8
15-Dec	-16	-17.4
16-Dec	-21.3	-22.3
17-Dec	-5.3	-5.2
18-Dec	-13.6	-14.4
19-Dec	-17.9	-17.5
20-Dec	-3.6	-3.6
21-Dec	-0.4	-1
22-Dec	-0.3	0
23-Dec	1.7	1
24-Dec	2.1	2.1
25-Dec	-6.9	-7.9
26-Dec	-7.1	-8.3
27-Dec	-1.2	-1.1
28-Dec	-2.7	-3.2
29-Dec	-0.8	-0.7
30-Dec	-7	-7.3
31-Dec	-6.8	-6.9

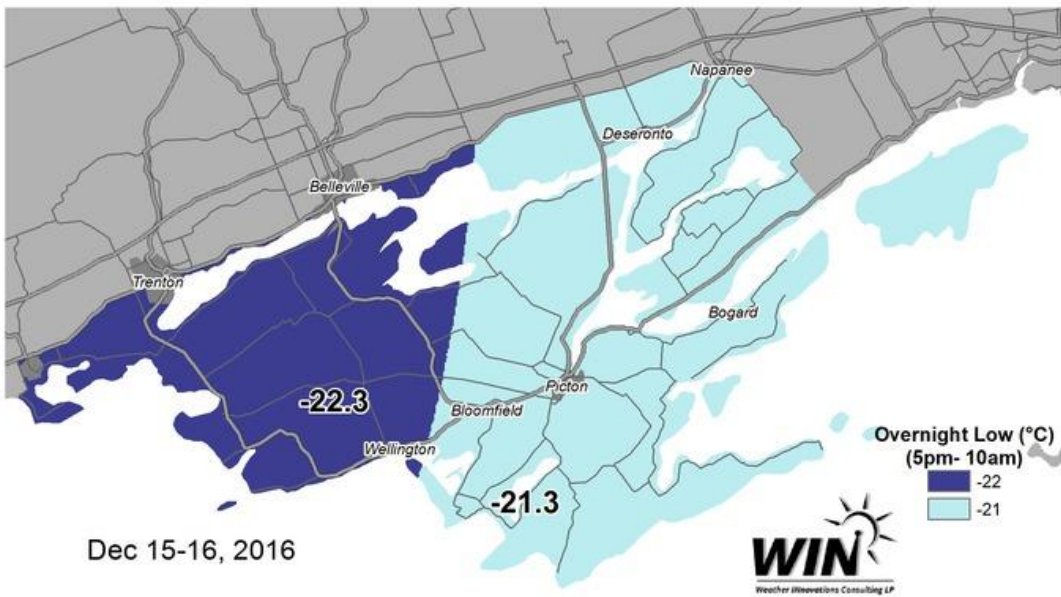
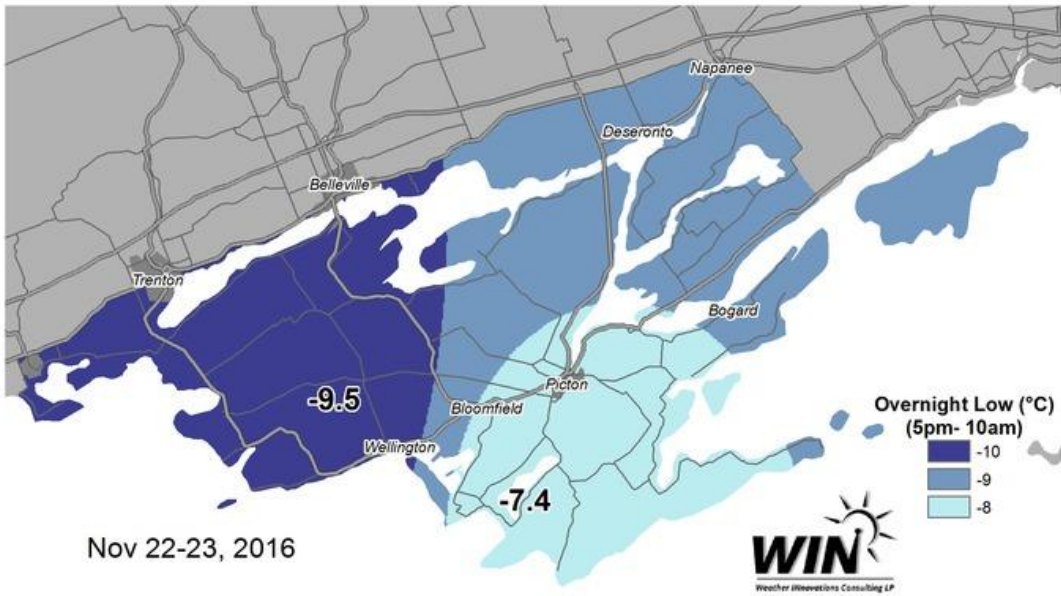


	Days with Icwine Temperatures
	Monthly Minimum



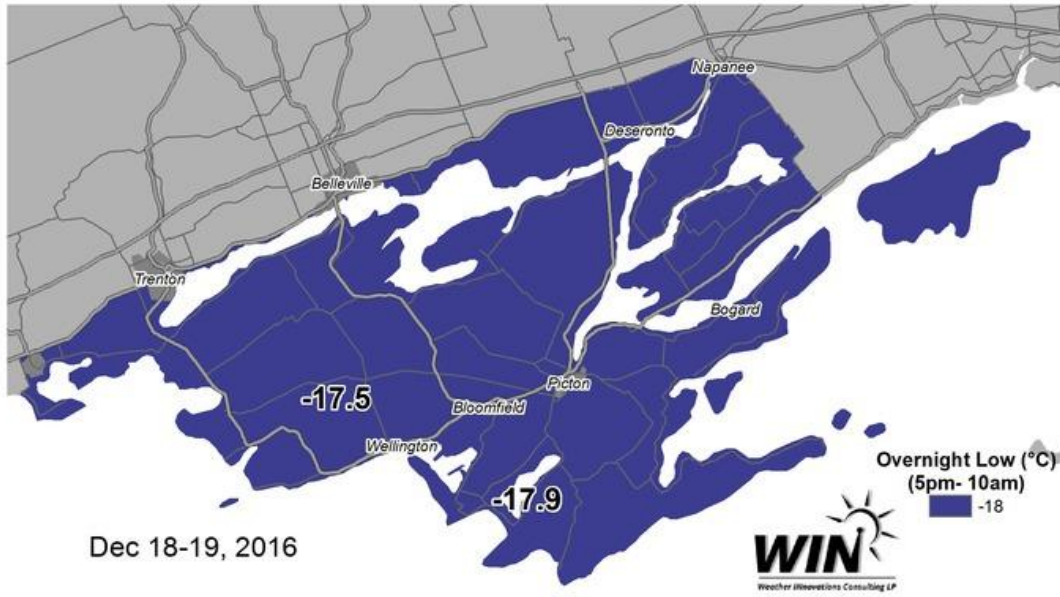
Inversion Strength

The following six figures show the coldest November and December nights: November 22-23, December 15-16 and December 18-19.



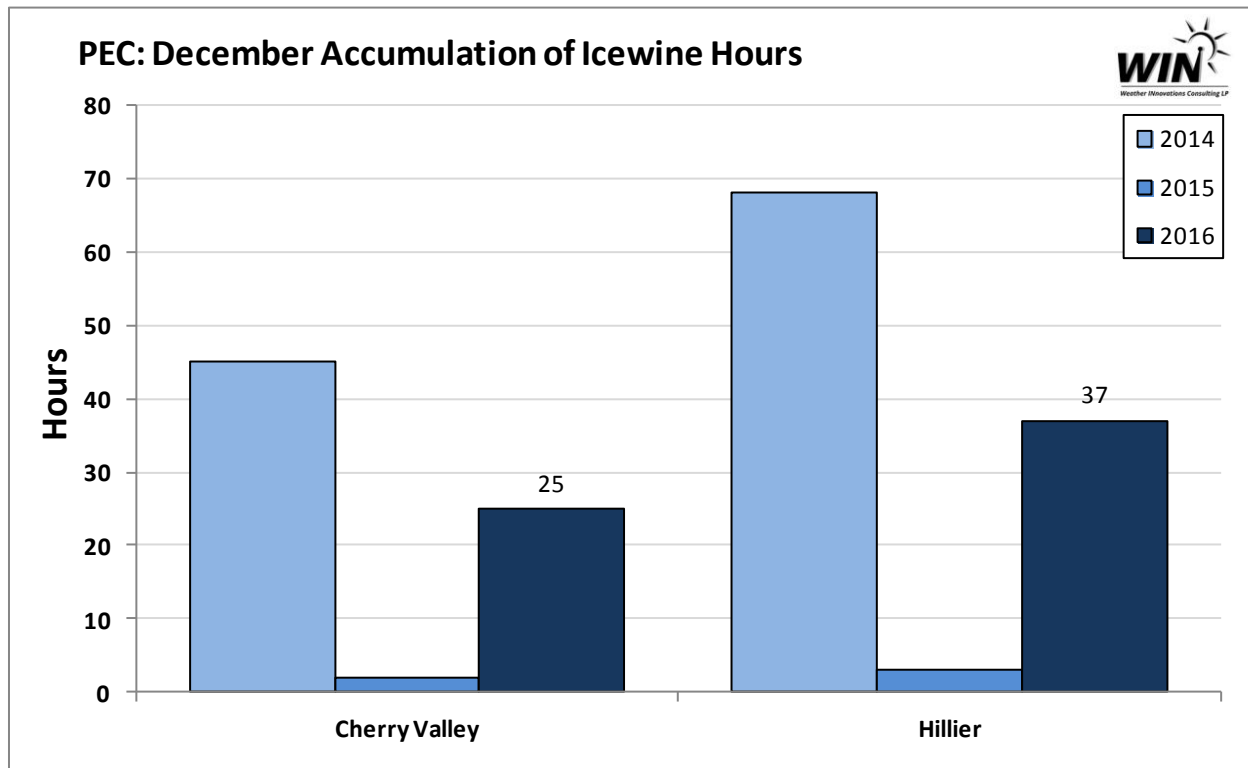


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Icewine Hours Analysis

December 2016 saw some opportunities for icewine production, as seen in the following figure. Both stations accumulated about half of the icewine hours as in December 2014, but significantly more icewine hours than in 2015. The Prince Edward County stations recorded between 25 and 37 icewine hours in December 2016, between 2 and 3 hours in 2015, and between 45 and 68 hours in 2014.



Summary

December 2015 temperatures were considerably above normal in the Price Edward County appellation; average temperatures for the month were 7.1°C to 7.3°C above the 30-year normals. The coldest temperature reached was -8.7°C on December 28 at the Cherry Valley station. December 2015 provided limited opportunities for harvesting icewine grapes at both locations, leading to a later completion of icewine harvest for many this year.