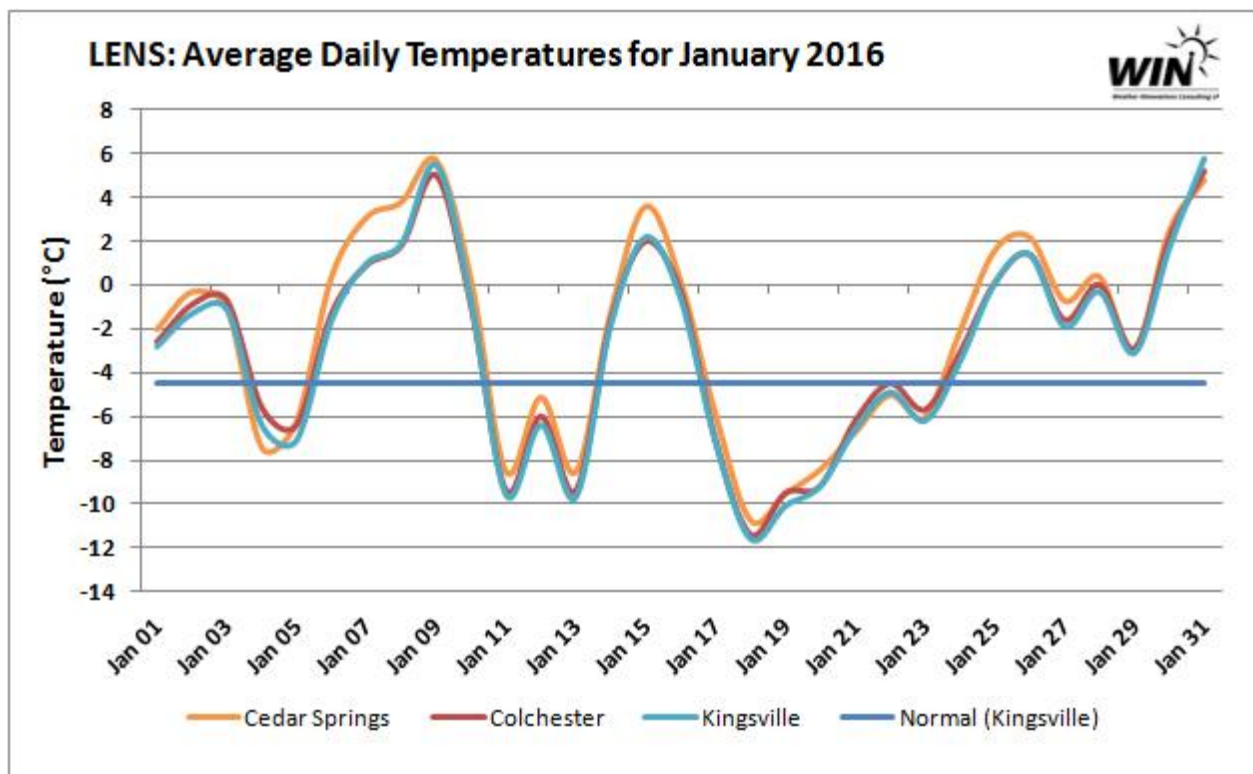




January 2016

Overview

Following a warm December, January continued with above normal temperatures. Average monthly temperatures were -2.2°C at Cedar Springs, -2.8°C at Colchester, and -3.0°C at Kingsville (compared to -5.8°C , -6.2°C , and -6.6°C , respectively, in 2015). Accordingly, the average monthly temperatures were 1.5°C to 2.3°C above normal for this appellation, compared to 1.3°C to 2.1°C below normal in 2015. These statistics are based on Environment Canada's 30-year normals for Kingsville. This summary illustrates minimum January 2016 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 2016 monthly minimum temperature for each site was -13.1°C at the Cedar Springs station, -13.5°C at the Colchester station, and -13.3°C at the Kingsville station (compared to -21.7°C , -19.4°C , and -21.7°C , respectively, in 2015). These minimum temperatures occurred on January 5 and January 18. There were 13 days, compared to 20 days in January 2015, when temperatures at one or more stations dipped into icewine temperature ranges. These temperature characteristics are shown in the following figures.



LENS: January 2016 Daily Minimums

Date	Cedar Springs	Colchester	Kingsville
1-Jan	-3.6	-3.7	-4.2
2-Jan	-2.2	-2.3	-2.7
3-Jan	-6.4	-4.3	-4.8
4-Jan	-12.5	-10.7	-11.5
5-Jan	-13.1	-12.9	-13.1
6-Jan	-3	-3.9	-4.7
7-Jan	1.1	-1.9	-1.5
8-Jan	2.8	-1	-0.4
9-Jan	4.7	3.6	4
10-Jan	-6.9	-7.2	-7.5
11-Jan	-11.3	-11.2	-11.6
12-Jan	-9.1	-9.4	-10.3
13-Jan	-10.2	-10.6	-10.9
14-Jan	-6.5	-6.5	-7
15-Jan	1.4	0.9	0.9
16-Jan	-1.5	-1.5	-2
17-Jan	-11.6	-12.4	-12.8
18-Jan	-12.3	-13.5	-13.3
19-Jan	-12.2	-12.8	-13.1
20-Jan	-10.3	-12.4	-11.8
21-Jan	-11.9	-11.7	-11.7
22-Jan	-8	-7.2	-7.3
23-Jan	-9.1	-9.1	-9.6
24-Jan	-8.2	-9.2	-10.1
25-Jan	-0.6	-3.1	-3.3
26-Jan	0.3	-0.6	-0.8
27-Jan	-2	-2.9	-3.3
28-Jan	-1.7	-2.4	-2.9
29-Jan	-5.1	-6.3	-4.7
30-Jan	-1.1	-2.1	-2.7
31-Jan	2.2	2.7	2.5



	Days with Icewine Temperatures
	Monthly Minimum



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LENS: January 2016 Daily Temperatures Compared to Normal

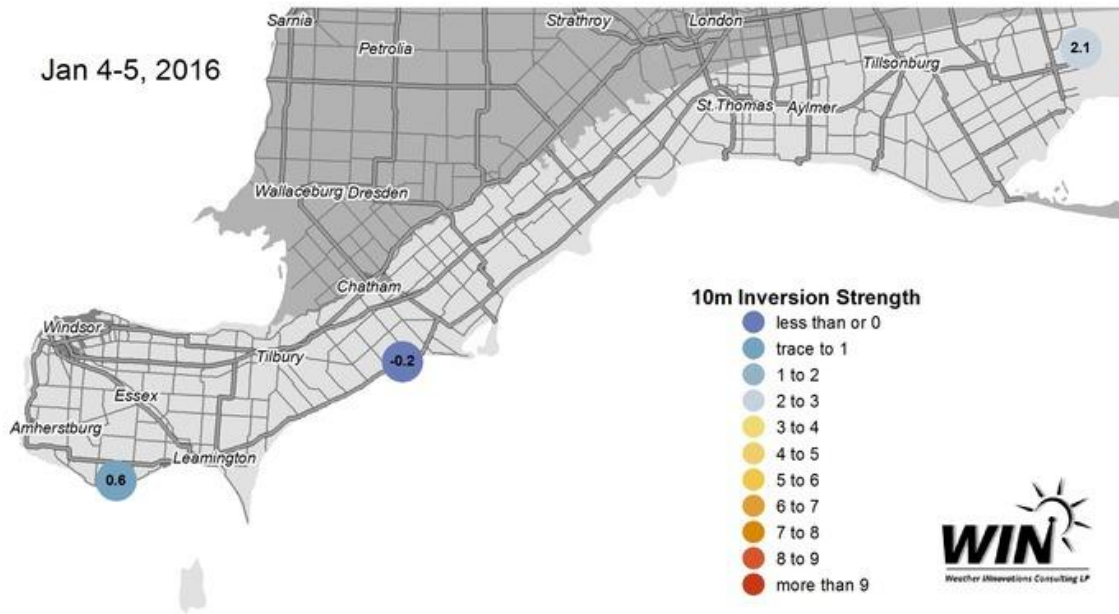
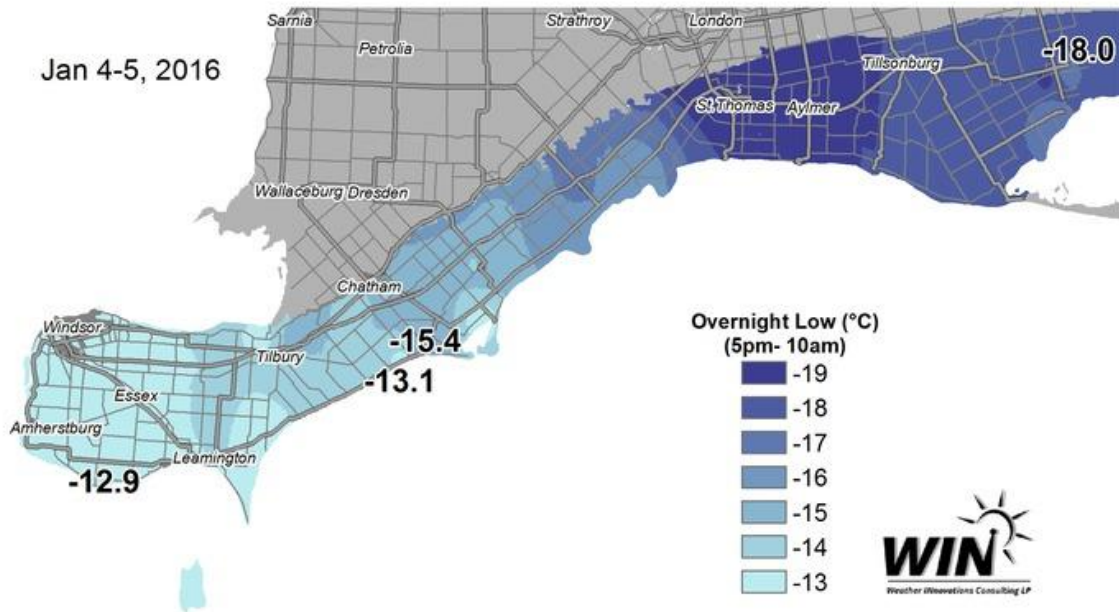
	Cedar Springs	Colchester	Kingsville	Normal (Kingsville)
Days with Maximum Temperature:				
<= 0 °C	14	14	18	16.6
> 0 °C	17	17	13	14.5
> 10 °C	0	0	0	0.4
> 20 °C	0	0	0	0
> 30 °C	0	0	0	0
> 35 °C	0	0	0	0
Days with Minimum Temperature:				
> 0 °C	6	3	3	2
<= 2 °C	28	29	29	30.4
<= 0 °C	25	28	28	29
<= -2 °C	21	24	25	25
<= -10 °C	9	9	11	11.6
<= -20 °C	0	0	0	0.8
<= -30 °C	0	0	0	0





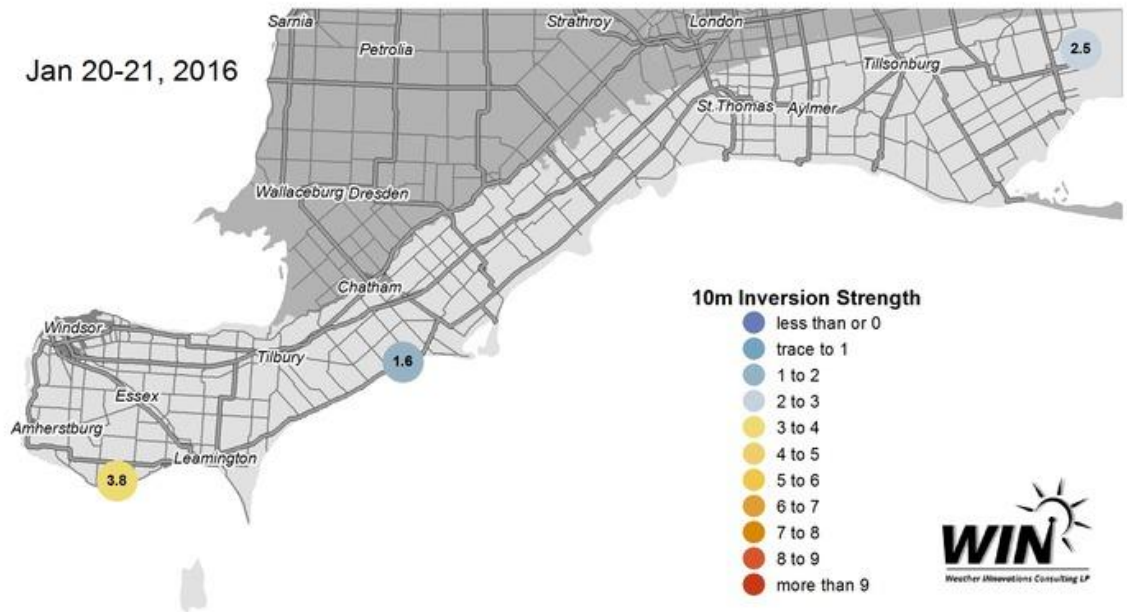
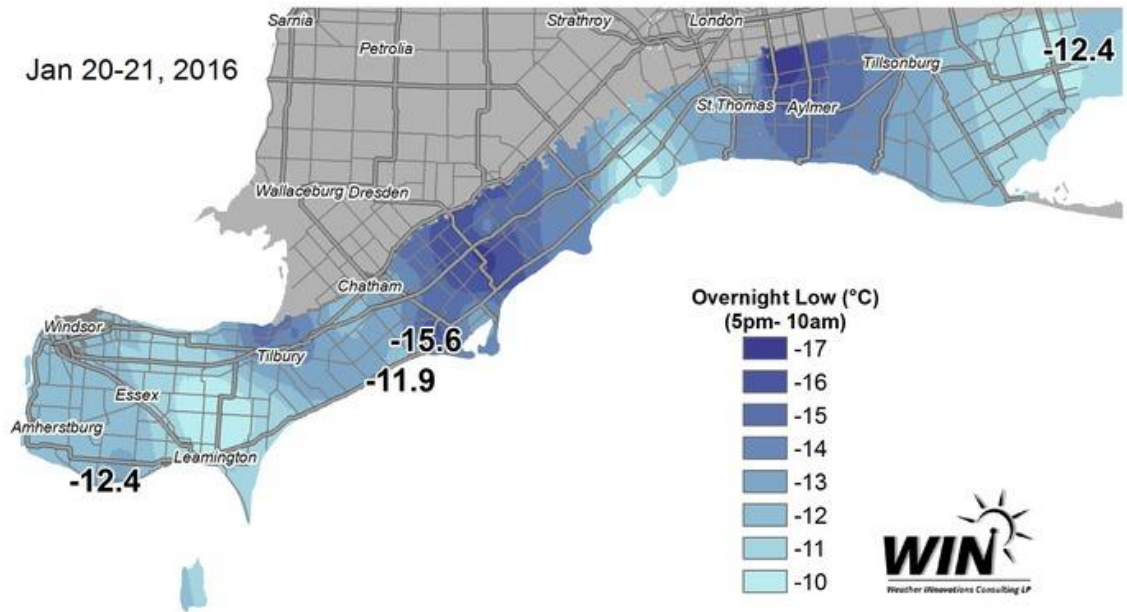
Inversion Strength

The following four figures show the coldest January nights: January 4-5, and January 20-21. Note that the January 4-5 event did not have an inversion, while the January 20-21 event did.





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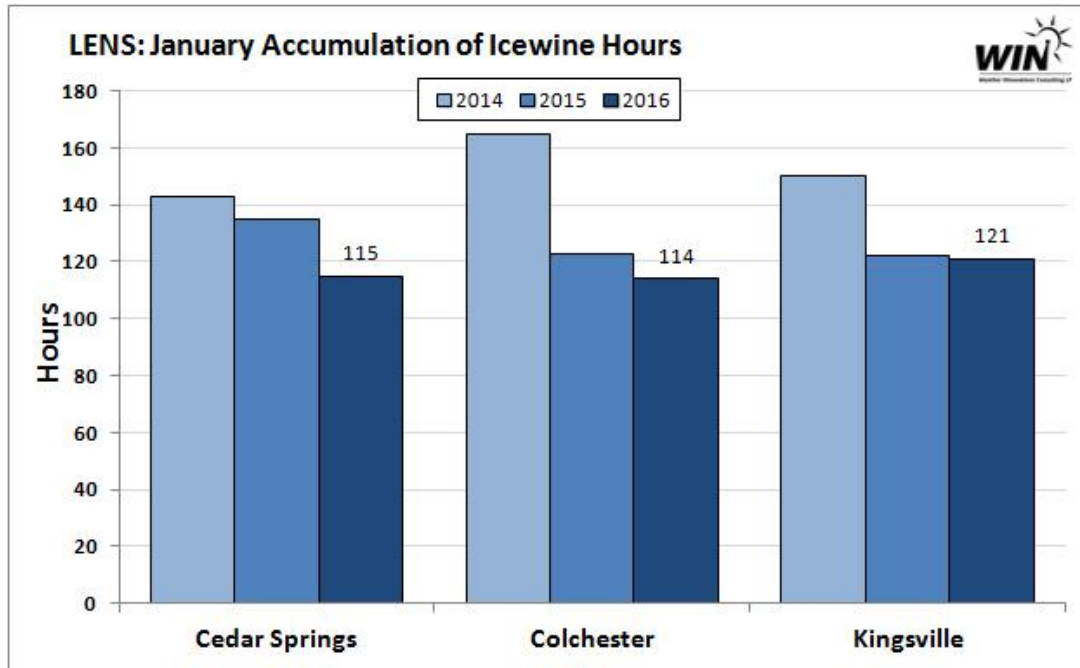
Icewine Hours Analysis

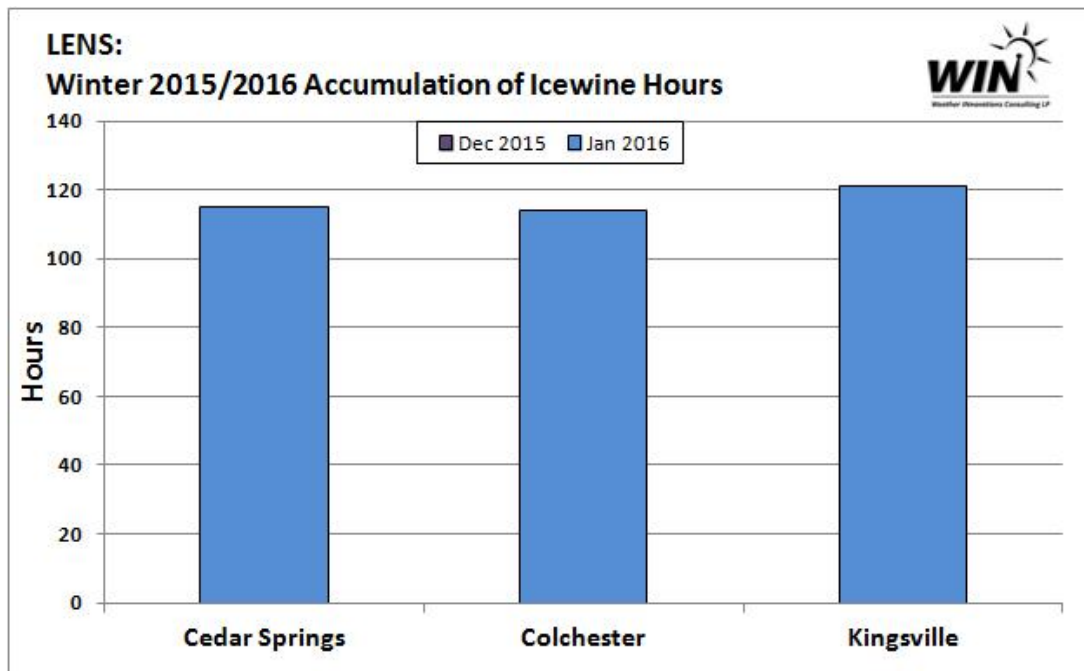
Icewine hours accumulated slowly in January after receiving zero in December. As seen in the following two figures, all of the stations accumulated a fewer number of icewine hours than in 2015 and 2014. A total of 115 icewine hours were recorded at the Cedar Springs station (compared to 135 hours in 2015).



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Colchester recorded 114 icewine hours (compared to 123 hours in 2015), and Kingsville recorded 121 icewine hours (compared to 122 hours in 2015). The 2015/2016 two month accumulations totaled between 114 and 121 icewine hours, since December failed to produce any icewine hours. Due to the lack of icewine harvest opportunities in December, many completed the icewine harvest at the beginning of January. The following figures illustrate how the accumulation of icewine hours differed across the appellation.





Summary

January 2016 temperatures were above normal in the Lake Erie North Shore appellation. Average temperatures for the month were 1.5°C to 2.3°C above the 30-year normals. The coldest January temperature reached -13.5°C at the Colchester station on January 18. January 2016 provided a suitable number of opportunities to harvest icewine grapes, following zero opportunities in December 2015. These conditions led to many competing icewine harvests by the end of January this year.