



***Weather INnovations Incorporated***

# February 2013 Summary

Lake Erie North Shore

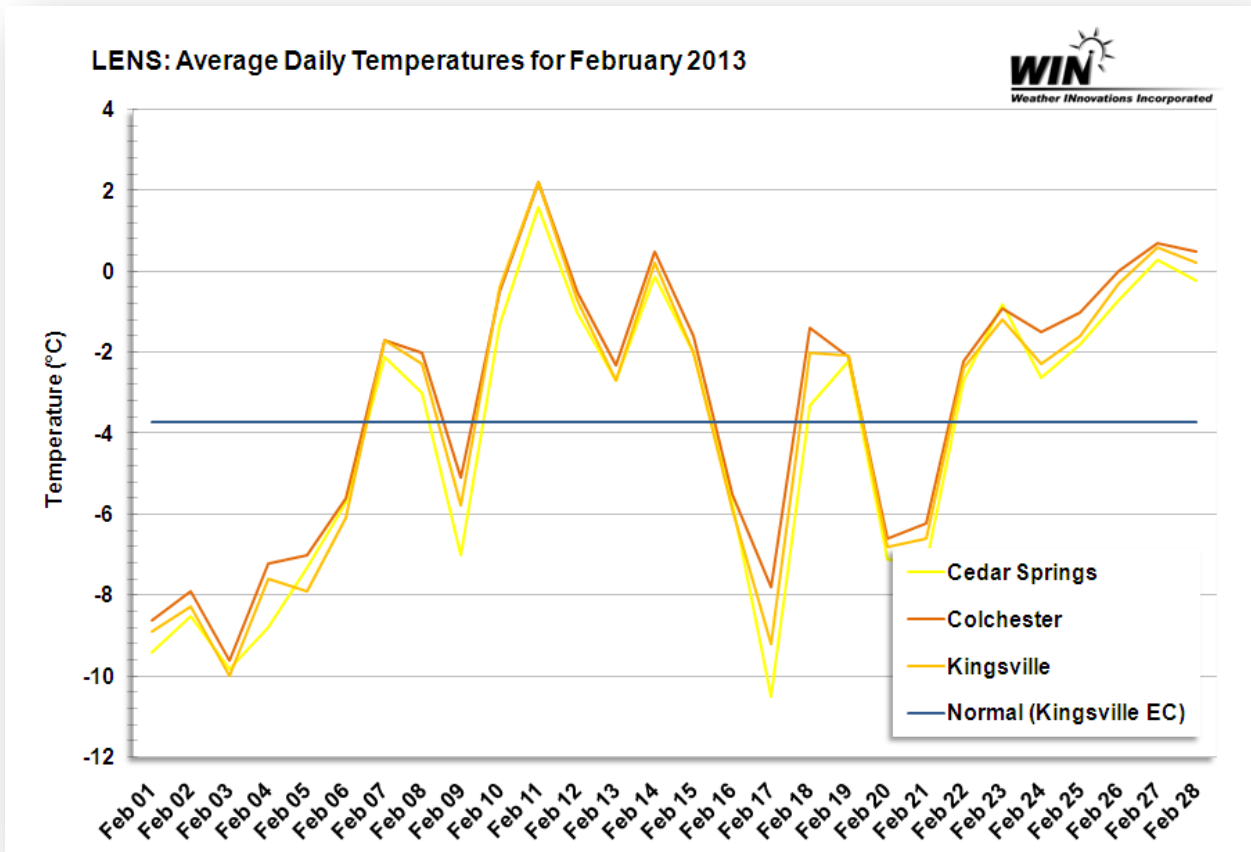


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March 5, 2013



### OVERVIEW

The warmer-than-normal temperatures experienced in December and January transitioned back to normal in February 2013. Average monthly temperatures were  $-4.0^{\circ}\text{C}$  at Cedar Springs,  $-3.2^{\circ}\text{C}$  at Colchester and  $-3.6^{\circ}\text{C}$  at Kingsville (compared to  $-0.6^{\circ}\text{C}$  at Cedar Springs,  $-0.1^{\circ}\text{C}$  at Colchester and  $-0.3^{\circ}\text{C}$  at Kingsville in 2012). Accordingly, the average monthly temperatures were near normal for this appellation, compared to  $3.1^{\circ}\text{C}$  –  $3.6^{\circ}\text{C}$  above normal in 2012. These statistics are based on Environment Canada’s 30-year normal for Kingsville. This summary illustrates February 2013 temperatures and ice wine hours. For this report, ice wine 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 2013 monthly minimum temperature for each site was: -14.2°C at the Cedar Springs station; -17.7°C at the Colchester station and -18.2°C at the Kingsville station (compared to -12.6°C, -11.5°C and -15°C, respectively, in 2012). These monthly minimum temperatures occurred on the 5<sup>th</sup> and 17<sup>th</sup> of February. There were 12 days (compared to 4 in 2012) when temperatures at one or more stations, dipped into icewine temperature ranges. These temperature characteristics are shown in the following figures.

<b>LENS: February 2013 Daily Temperatures Compared to Normal</b>				
	<b>Cedar Springs</b>	<b>Colchester</b>	<b>Kingsville</b>	<b>Normal (Kingsville)</b>
<b>Days with Maximum Temperature:</b>				
<= 0 °C	14	12	13	13
> 0 °C	14	16	15	15.3
> 10 °C	0	0	0	0.6
> 20 °C	0	0	0	0
> 30 °C	0	0	0	0
> 35 °C	0	0	0	0
<b>Days with Minimum Temperature:</b>				
> 0 °C	0	0	0	2.9
<= 2 °C	28	28	28	27.6
<= 0 °C	28	28	28	25.4
<= -2 °C	23	23	24	20.2
<= -10 °C	9	7	8	9.5
<= -20 °C	0	0	0	0.5
<= -30 °C	0	0	0	0

<b>LENS: February 2013 Daily Minimums</b>			
<b>Date</b>	<b>Cedar Springs</b>	<b>Colchester</b>	<b>Kingsville</b>
1-Feb	-12.1	-10.8	-11
2-Feb	-12.1	-10.5	-10.5
3-Feb	-11.9	-14.8	-17.6
4-Feb	-11.7	-8.7	-9.5
5-Feb	-12.6	-17.7	-18.2
6-Feb	-11.2	-17.3	-15.5
7-Feb	-4.5	-5.1	-5
8-Feb	-5.2	-4.2	-4.4
9-Feb	-10.8	-10.2	-11.5
10-Feb	-4.7	-4.3	-5.1
11-Feb	-0.1	-0.1	-0.1
12-Feb	-2.2	-2.2	-2.5
13-Feb	-4	-3.7	-4.5
14-Feb	-1.9	-1.8	-2.7
15-Feb	-4.2	-4.3	-5.4
16-Feb	-8.7	-8.5	-10.1
17-Feb	-14.2	-11.3	-13.3
18-Feb	-12.6	-6.7	-9.4
19-Feb	-7.5	-7.2	-7.7
20-Feb	-8.9	-8.3	-8.6
21-Feb	-9.6	-7.4	-8
22-Feb	-6.2	-5.4	-5.7
23-Feb	-2.9	-3.5	-5.3
24-Feb	-5.1	-4.6	-5.4
25-Feb	-6.3	-5.6	-7.8
26-Feb	-1.9	-1.3	-1.6
27-Feb	-0.4	-0.3	-0.5
28-Feb	-1.7	-1	-1.4

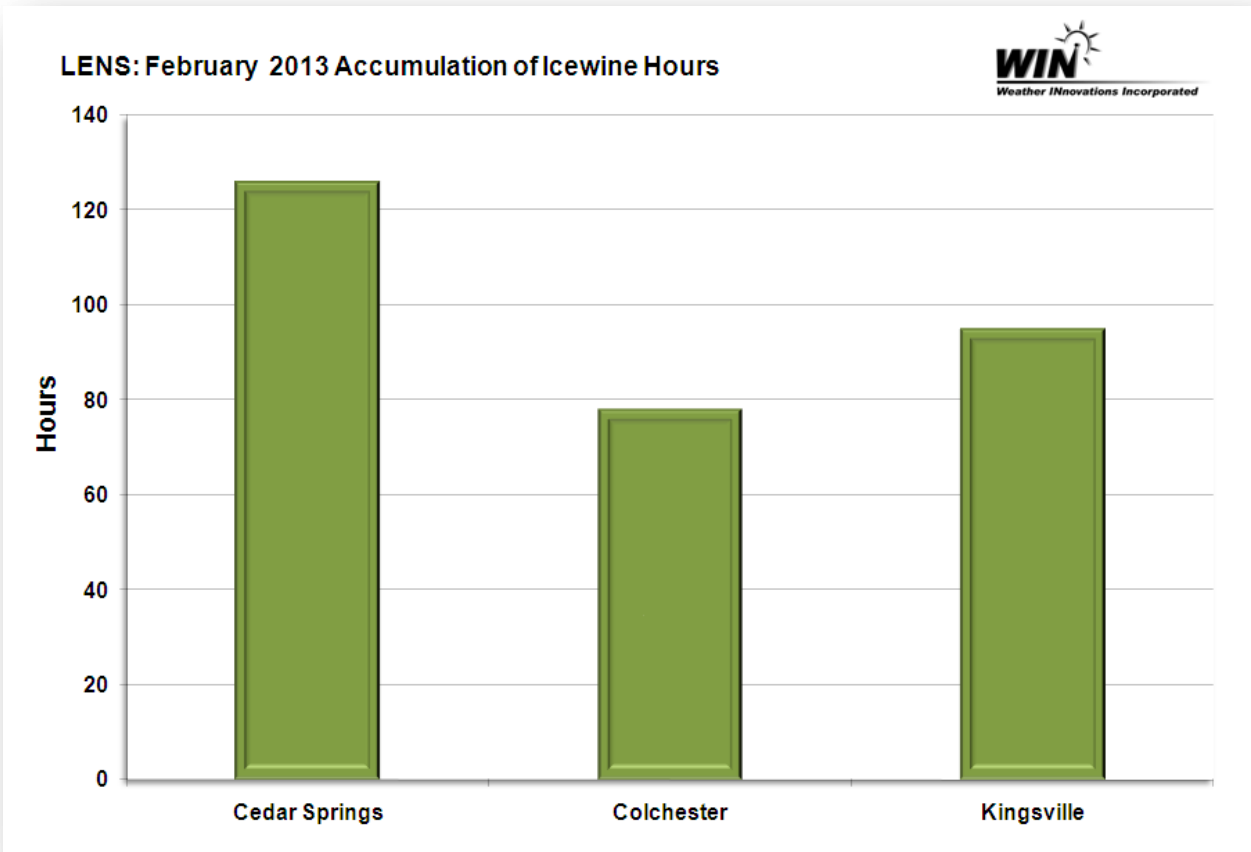
  

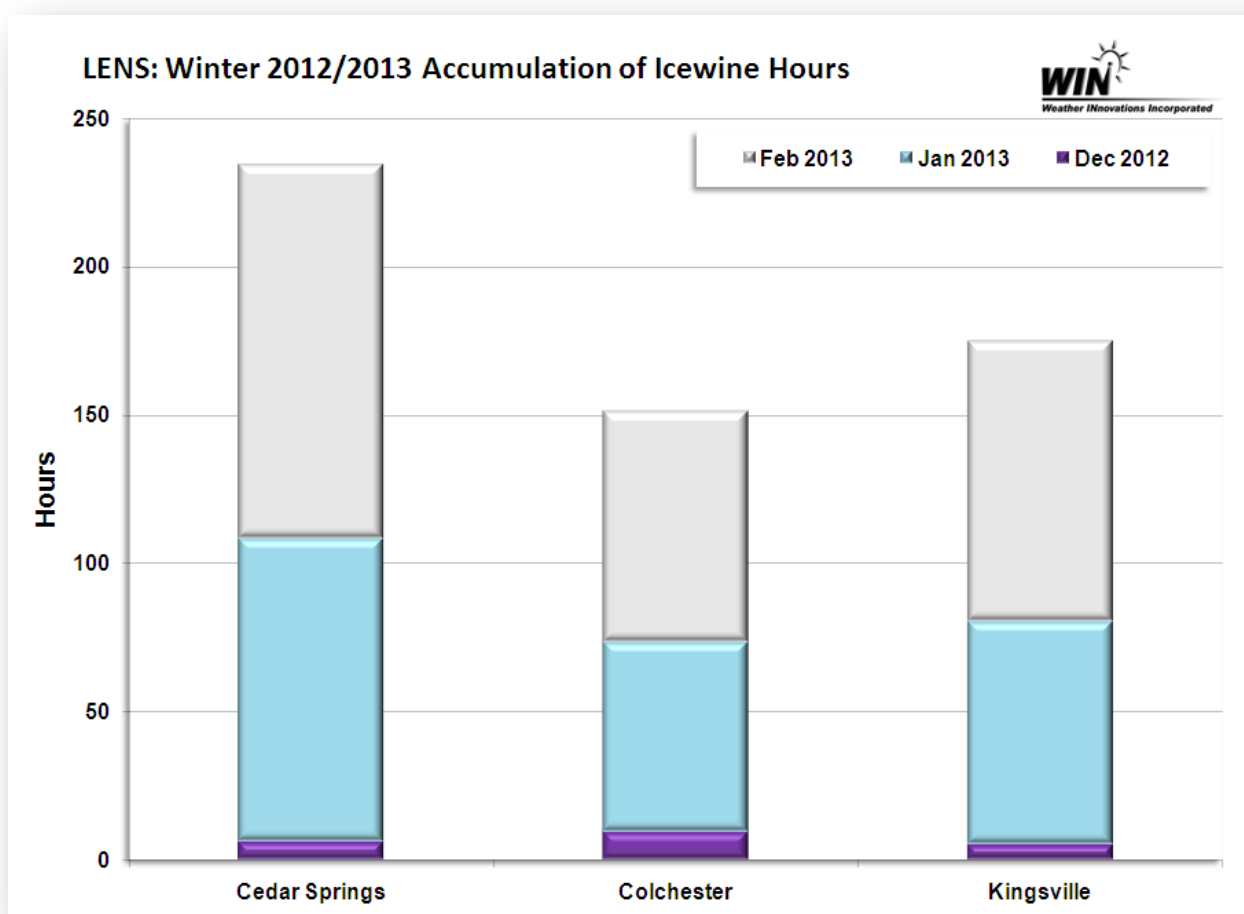
	Days with Icewine Temperatures
	Monthly Minimum

### ICEWINE HOURS ANALYSIS

A total of 126 icewine hours were recorded at the Cedar Springs station, while the Colchester station recorded 78 hours and the Kingsville station recorded 95 hours. The combined icewine hour totals for the entire winter ranged between 151 and 234 hours (compared to 66 and 84 hours in the previous winter). The following figures illustrate the icewine harvesting hour variability across the appellation.





## SUMMARY

February 2013 temperatures were near normal in the Lake Erie North Shore appellation. The coldest event took place during the overnight period on the 5<sup>th</sup>, with the coldest temperature reaching -18.2°C at the Kingsville station. Ample ice wine harvest opportunities arose in January and February, following an extremely warm December.