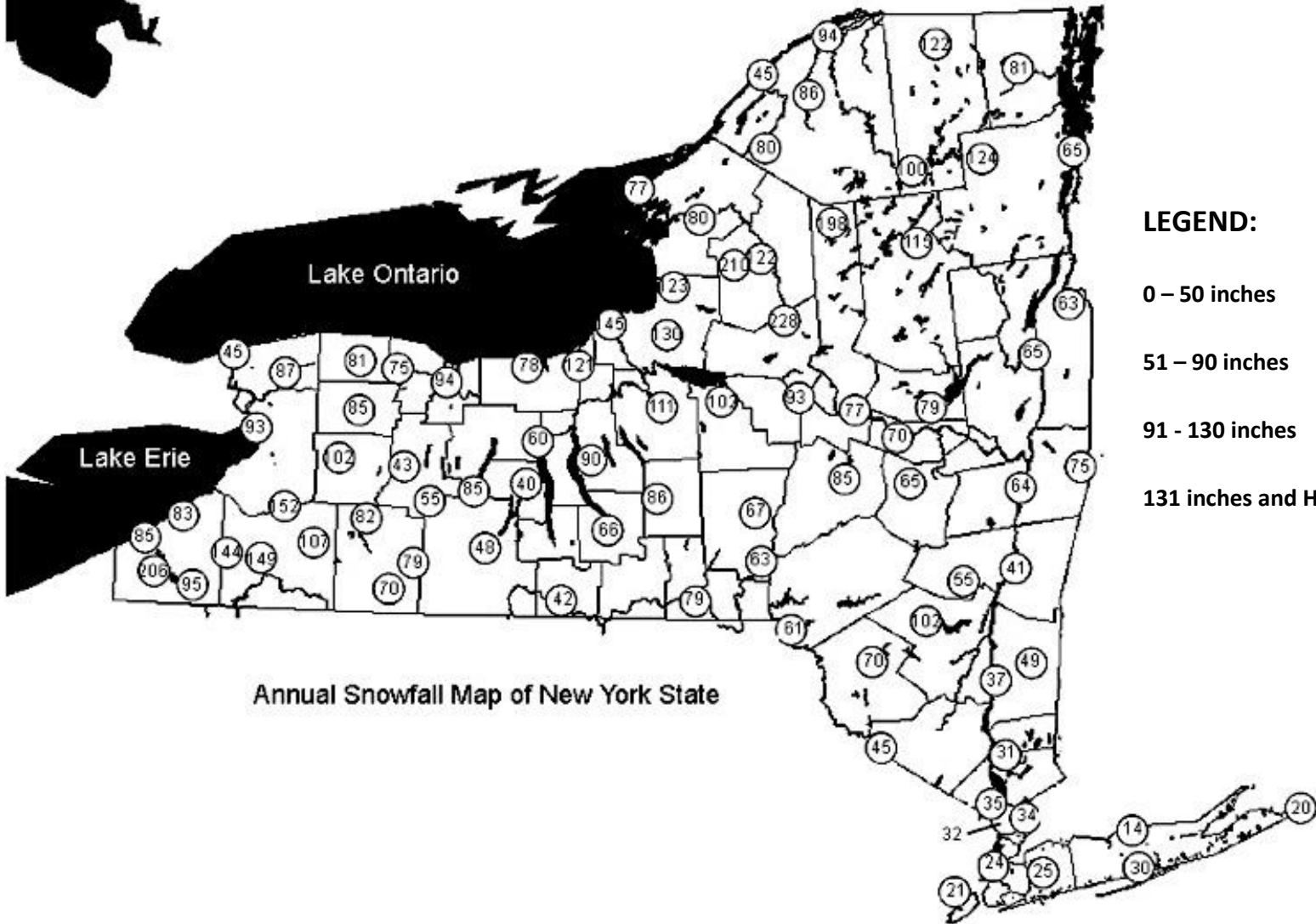


Winter Wonderlands



LEGEND:

0 – 50 inches

51 – 90 inches

91 - 130 inches

131 inches and Higher



Snowfall in much of New York is very common because it is a mid-latitude state, but do all places in the state have about the same amount of snowfall? You can find this answer by looking over the map on page 2 of the *Atlas of New York: Legacies of the Erie Canal*.

1. What is the title of the map on the bottom of the page? _____
2. What does the legend of this map tell us? The darker the color, _____.
3. The snowfall is measured in _____. (It's a unit on a ruler!) The least snowy places are around _____ and they only get _____ per year.
4. The snowiest places get over _____ per year. They are found in two locations. Can you describe the locations of each using words like "west of" or "to the south of?" _____

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5. How was this map drawn? You can show one of the steps in making a map like this (an *isoline map*.) On the other page is a snowfall map that has circles with numbers inside them. The numbers tell you the amount of annual average snowfall (how much snow you would *expect* there every year). At the bottom of the map is a legend. There are four categories of snowfall that you need to color code. Make them **red**, **orange**, **green**, and **blue** in that order. Now color in all the circles on the map, using only the four colors in the legend.
 6. Draw a loop around all the circles you colored in blue. How many "blue" (very snowy) clusters are there? ___ How does this compare to the map on page 9 of the Atlas? _____
 7. These very snowy areas are often referred to as *lake-effect snow belts*. The winds in this part of the world blow mostly from west to east. Draw a BIG arrow going over both Lake Ontario and Lake Erie. What do you think this has to do with the lake-effect snow belts in New York State? _____

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8. There is an elevation map on page 4 of the Atlas. Would you say places of heavy snow are at low elevation or high elevation? Why? _____