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Gallatin Valley Winds

While day-to-day weather may appear to have no apparent pattern, if the weather patterns are analyzed over a longer period of time, patterns start to emerge. One of the most prevalent weather events in Gallatin Valley is wind. Using wind roses, comparisons of the Gallatin Valley wind patterns can be made over different time periods, such as diurnally, monthly, or seasonally. A wind rose is a diagram that depicts the distribution of wind direction and speed at a location over a period of time. The length of each spoke on a wind rose indicates how often the wind comes from a specific direction. Longer spokes mean the wind comes from that direction more often. The colors on each spoke displays how often the wind from this direction falls within a given wind speed range.