Climate Factor and Impact Chart

What Climate Factors are Causing Impacts in the Great Lakes Region?

Use page 6 of *Climate Change Adaptation for Coastal Wetlands: A Toolkit of Best Management Practices for Coastal Wetlands in Michigan* to complete chart.

Great Lakes Region IMPACTS	Climate FACTORS
Frequency of heavy rainfall events increasing year-round	
Variable by lake; Lake Michigan likely to become ice free soonest	
Lake Superior warming fastest; warmer water holds less oxygen for fish and other animals	
Summer warming faster than winters	
Decrease likely, but increase also plausible; lake level variability to continue regardless	
Increase in lake effect snow, likely decrease in snowfall otherwise	
Up overall, but variable by season	
Heat waves are likely to be more frequent, longer lasting and more severe	
Average wind speeds declining, but may have more high intensity wind events	
Increase larger in summer; loss of winter lake ice will increase evaporation off lakes	
Up overall, but variable by season: Fall and winter much rainier, summers drier	
Likely to increase by 3-6 weeks by the end of the century	