

Name: _____

Date: _____

Data for Vicksburg, Mississippi

Case Site: Vicksburg, Mississippi

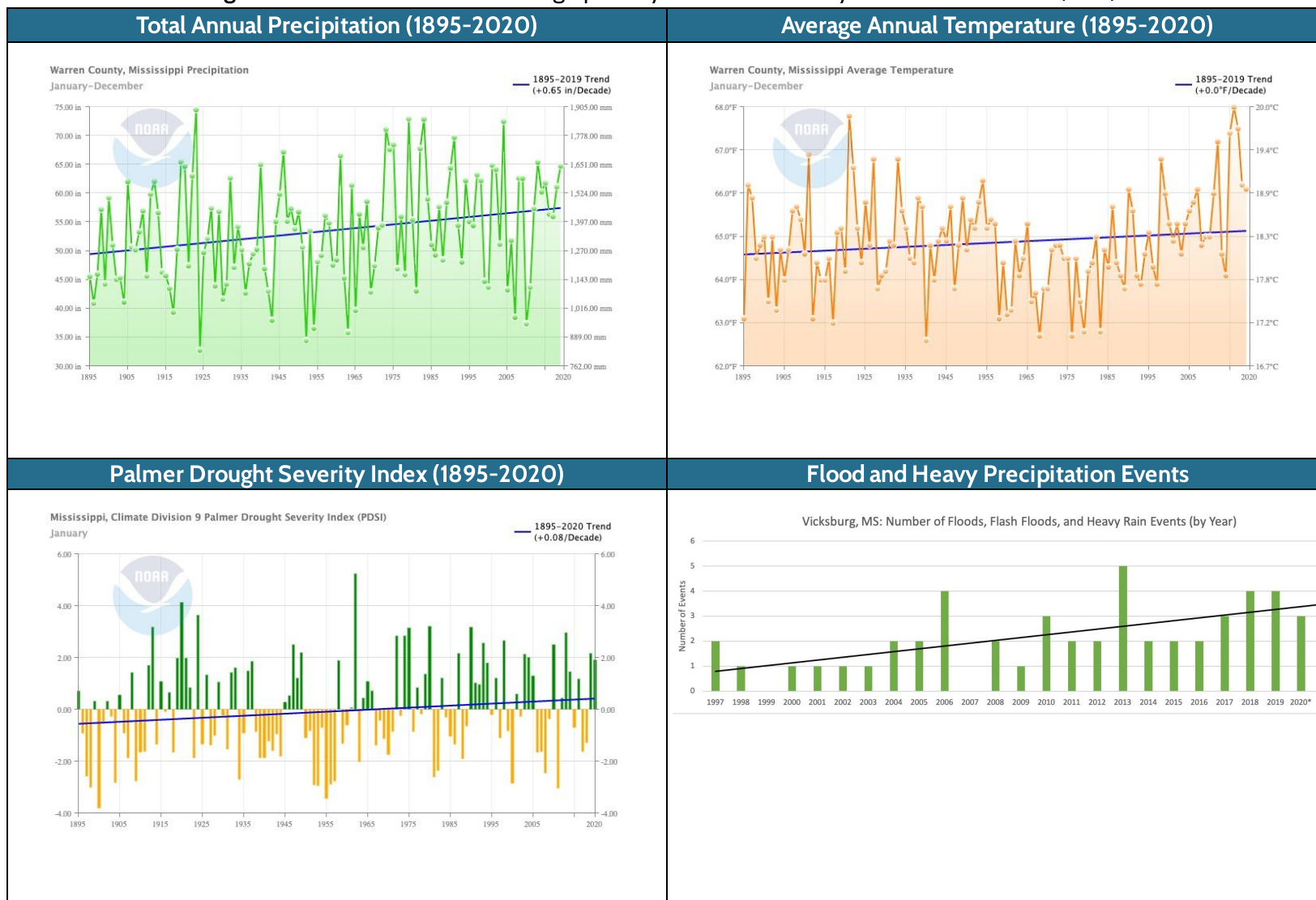
Read About: Vicksburg, Mississippi is located on the Mississippi River in the “delta” region of the river, which is a flat portion of the Mississippi River Valley. It is not the actual delta of the river, which is further south in Louisiana. The Vicksburg area is well-known for its fertile soil for farmers' crops. It has regularly flooded for short time periods in the past, but farmers are experiencing the longest-lasting flooding events in the last century, which has caused them to lose entire farms or crops for years or more. They have never seen flooding like this before.



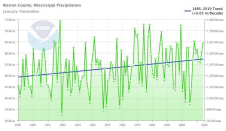
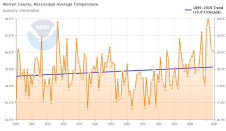
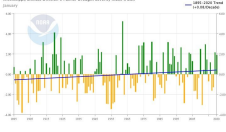
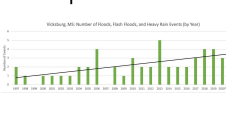
Part 1: Prepare to Analyze and Interpret Data.

Before you analyze the data, do the following:		Your notes:
1. Read about the data sources on <i>About the Data</i> . <ul style="list-style-type: none">Consider your purpose: Why are you using this data? How might it help you understand floods and droughts?		
2. What component of the Earth's Water System Model does this community rely on and/or have problems with in the community?		
As you analyze the data, do the following:		
3. Annotate (write and draw) on the graphs (WIS) to highlight your observations of the data (part 2). Observations might include high points in the data, low points in the data, the direction of trend lines, or other questions you might have about the data you see on the graphs or maps.		
4. Begin interpreting what you think the data means (WIM) for your case site (part 3). This can include specific observations about certain years represented in the data and any overall trends you see across all years in the data set.		
5. Consider what other types of data you might want to look at as well or new questions that you have. Note those ideas in part 3.		

Part 2: Data to Investigate. Write or annotate on these graphs as you consider what you notice in the data (WIS).



Part 3: Record Your Observations and Interpretations of the Data (WIM).

Data Source	Describe your observations of the graphs:	Describe the short-term variability in the data:	Describe the long-term trends in the data:	Questions I have:
<p>Total Annual Precip.</p> 				
<p>Average Annual Temp.</p> 				
<p>PDSI</p> 				
<p>Flood and Heavy Precipitation Events</p> 				

Part 4: Synthesize the Data.

Communicate Claims and Evidence	Your Notes:
<p>What claim, if any, can you make about what is happening with precipitation (including droughts or floods) at your case site?</p> <p>How does the data support your claim?</p>	
<p>What claim, if any, can you make about what is happening with temperatures at your case site?</p> <p>How does the data support your claim?</p>	
<p>How will you communicate the patterns and relationships in your data to your peers?</p>	