

Climate Climate Vulnerability Assessment

For this assignment you need to move from journal mode to more succinct writing. Each paragraph should begin with a topic sentence, followed by three or four sentences that reinforce your point. Your assessment is not meant to be exhaustive. You are providing a high level view of potential impacts that could occur as a result of climate change by providing a few specific examples.

Your writing also needs to be fact driven with in-text citations and a reference page. In paragraph form, begin by describing what Cal-Adapt estimates will change, and over what period of time. (Based on Molly's chart) Then, in paragraph form, describe who or what will be impacted and how. Again, be sure to cite your sources.

Format

- A. List the impact (temperature, precipitation, snowpack, wildfire) in a header.
- B. In paragraph form, describe the impact based on Molly and Cal-Adapt.
- C. List the population, function or structure that will be impacted in a header.
- D. In paragraph form, describe an example that is fairly specific. I have provided some examples of topic sentences below.

Temperature

Cal-Adapt estimates average temperatures in Butte County will increase 5.3 degrees by 2050 (71.1-76.4) and 8.6 degrees (79.7) by 2100.

Population

Ex. Higher temperatures can cause serious public health impacts and an increase in heat-related illness.

Ex. Higher temperatures can worsen air quality and pose a health hazard to vulnerable populations.

Ex. Disadvantaged communities may face a greater challenge in dealing with extreme heat.

Structure and function

Ex. Prolonged exposure to extreme heat can exacerbate roadway degradation.

Ex. Prolonged periods of high-heat will increase the evapotranspiration in plants and reduce the moisture content in soils causing increased demand for water for irrigation.

Ex. Extreme heat may deter County residents as well as potential tourists from engaging in outdoor physical activities.