Paleoclimate Research project Academic Level : Undergraduate Paper details The project for this course involves the analysis of past climate change in a specific region of the world. The goal of this exercise is to apply the concepts of climate change and its past effects to a landscape for which there is personal interest to you and, more practically, adequate literature. These two elements do not always go together, and careful planning is necessary to ensure that you have sufficient resources for your project. The first step in pursuing this project is to choose a region of interest. It is your responsibility to do a cursory examination of the literature to assess the availability of data for your region. The spatial extent of your region should be large enough to maximize the likelihood of sufficient literature, but not so large that you will be overwhelmed with data. California is off-limits for this assignment. Your paper should address the climate of your region during one (and only one) of the following time periods: The Last Glacial (50 kya-15 kya) The Pleistocene/Holocene Transition (15 kya-10 kya) The Early Holocene (10 kya-5 kya) The Medieval Era (900 AD-1350 AD) The body of your paper should be based on the analysis of four peer-reviewed academic journal articles (or book chapters). See the Finding Academic Sources page for more information. Include in your paper: An introduction to your study area, including the present-day physical features, naturalbiomes, and climate characteristics (one to two pages). A summary of each of the journal articles that focuses on the paleoclimate of your region during your chosen time period (one to two pages each article). Each summary should include: The study site location. The methods used in the study to reconstruct the paleoclimate (in simplified,“lay” terms), including the nature of the evidence presented. The technique(s) used in the study to establish chronology (i.e. when thingshappened) (in simplified, “lay” terms). The key findings of the study vis-à-vis the paleoclimate during your chosentime period. A discussion wherein you explore the extent to which the evidence presented in thefour studies establishes a consensus about climatic conditions during the time period, or indicates that there is still considerable uncertainty remaining (one to two pages).