

**Mary Glueck**  
**GEOG 529**  
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**Assignment 1**

**WestMap Data Acquisition and Analysis Resource site**

**Site URL:** <http://www.cefa.dri.edu/Westmap/>  
(site has working options---Full release Spring 2008)

**Creator(s):** The Western Climate Mapping Initiative (website is a NOAA-TRACS-funded UA/Western Region Climate Center joint effort, Comrie & Glueck-UA PI's)

**Description:** This site is being developed in response to climate researcher and stakeholder requests for easily accessible lengthy time series of fine scale spatial climate data along with user-friendly interactive analysis tools. At present, the site allows the user to view, plot, and compute basic statistics for fine scale climate data across the western United States. The front page of the site displays the most current data field of temperature or precipitation. Clickable map (specified regions and zoom) and pull down menu options for current and previous month's fields are available. A sidebar of menu options provides access to metadata, tutorials, mapping options, and additional resources (as I get them completed!). Additional user tool options currently in development and/or testing phases include creation of composite and anomaly fields, spatial mapping, error assessment, additional time and space statistics, and additional data download capability. Available domains include west-wide, state, county, climate division, hydrologic unit. Additional planned options include pixel, customized regions, and other standard boundaries per stakeholder request.

**Types of Atmospheric Data:** primary data set: PRISM 4KM monthly mean temperature, monthly maximum temperature, monthly minimum temperature, monthly precipitation; Data available in graphic and tabular form for various regional subset averages of temperature or precipitation. Period of record: 1895-2007.

*Comments/Suggestions are greatly appreciated: UA contact: Mary Glueck, mfg@email.arizona.edu*