Forecast & projection exercise

– Describe what is presented in the weather forecast, seasonal climate outlook and climate projection that follow. How are they different or similar?

– Summarize the outlook and projection for the region we are currently in, i.e. San Joaquin Valley and Central/Southern Sierra Nevada.

– List some uses of the outlook and projection to help inform decisions involving the management of public lands for biodiversity, wildland fire and water quantity.
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Weather forecast for Sausalito, CA
http://www.wrh.noaa.gov/mtr/
Seasonal climate outlooks for May-Jul 2011

Source: http://www.cpc.ncep.noaa.gov/products/predictions/90day/
Probability density functions from different studies for global mean temperature change for three emissions scenarios.

Multi-model mean of annual mean surface air temperature change, °C, for the three emissions scenarios. Anomalies are relative to the average of the period 1980-1999.

Source: IPCC