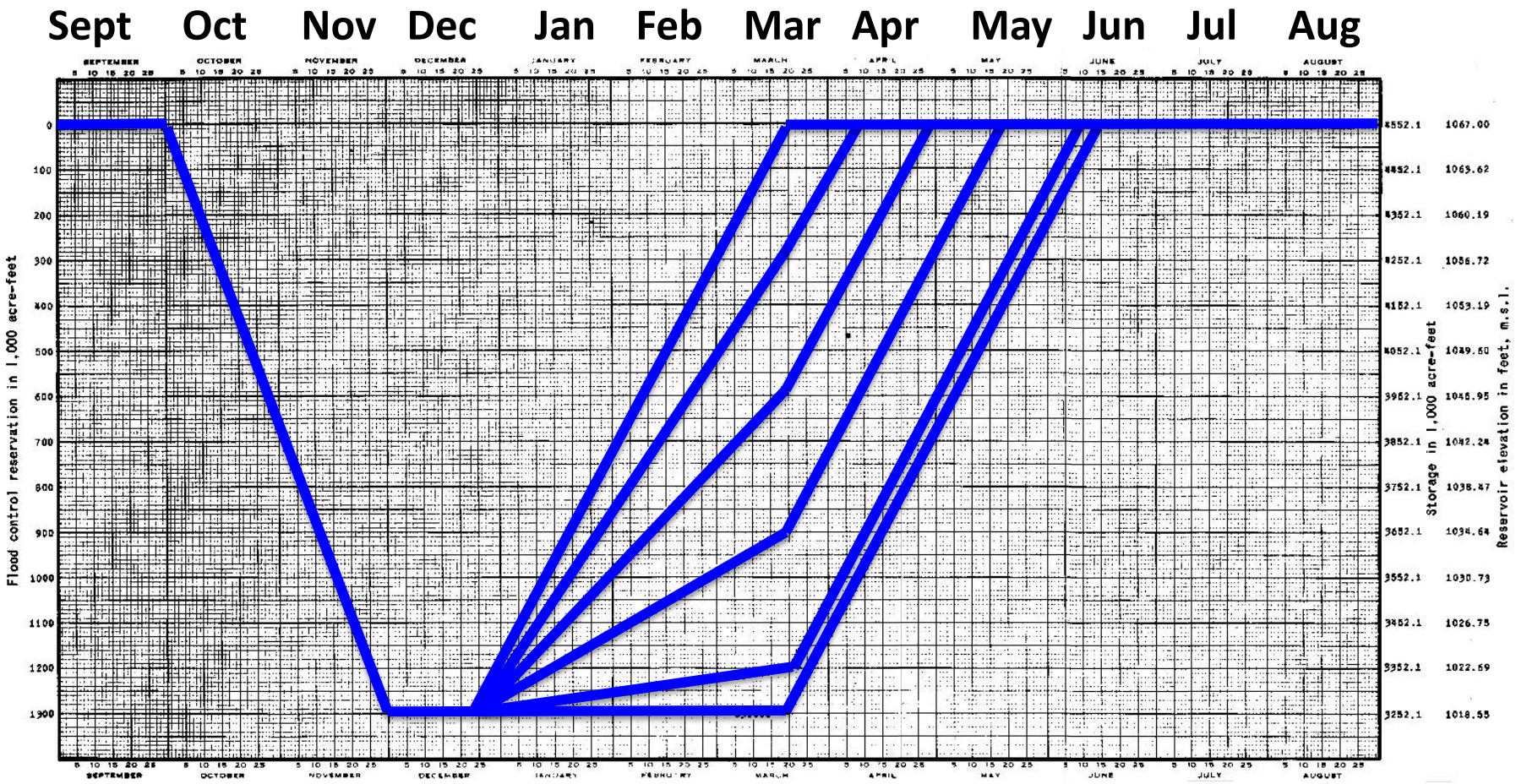
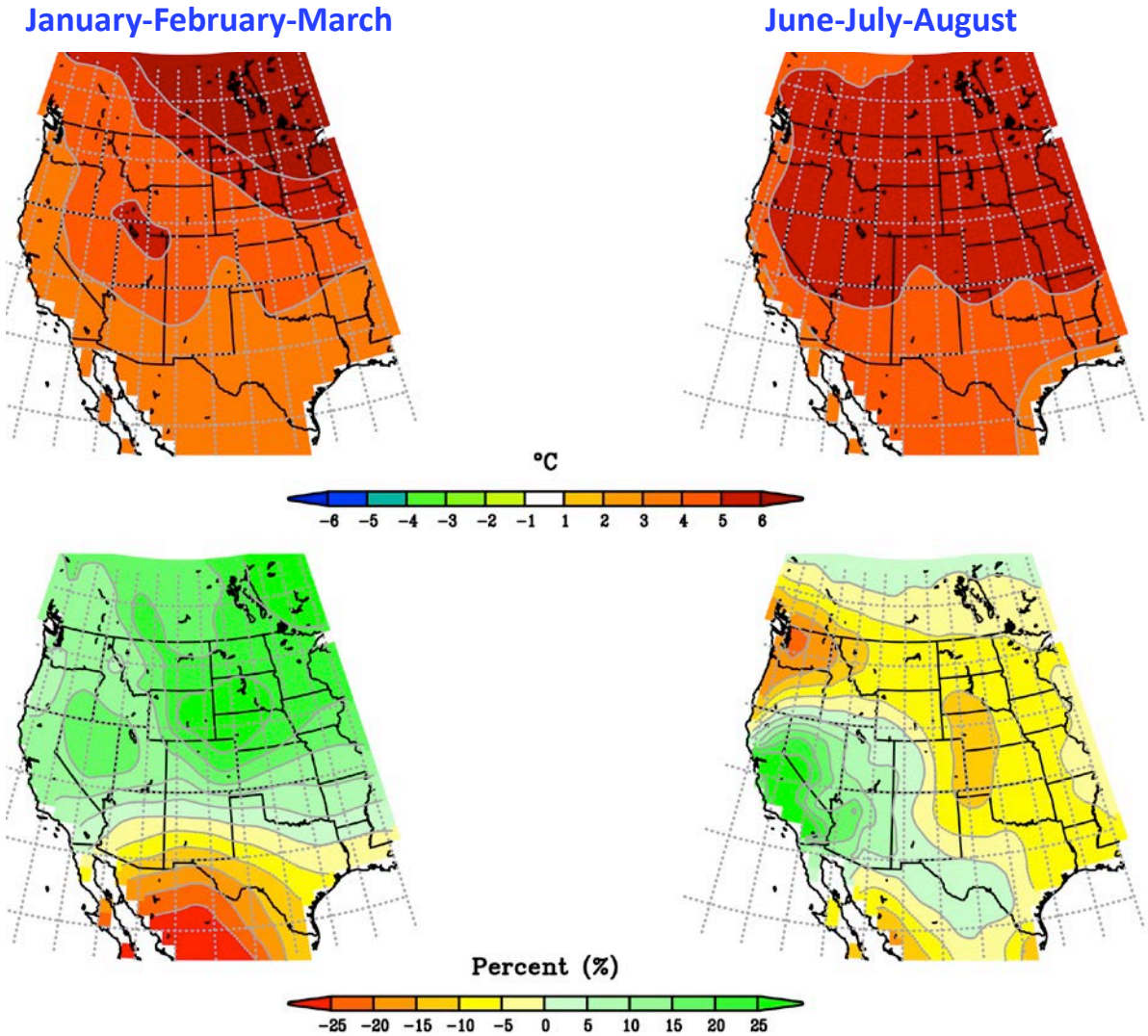
Managing water resources in a changing climate: maximizing the use climate information to more effectively balance flood and drought risks



Projected Changes 2050-2100

Mean changes in seasonal temperature (°C) and precipitation (percent) for 2050 to 2100 minus 1950 to 2000

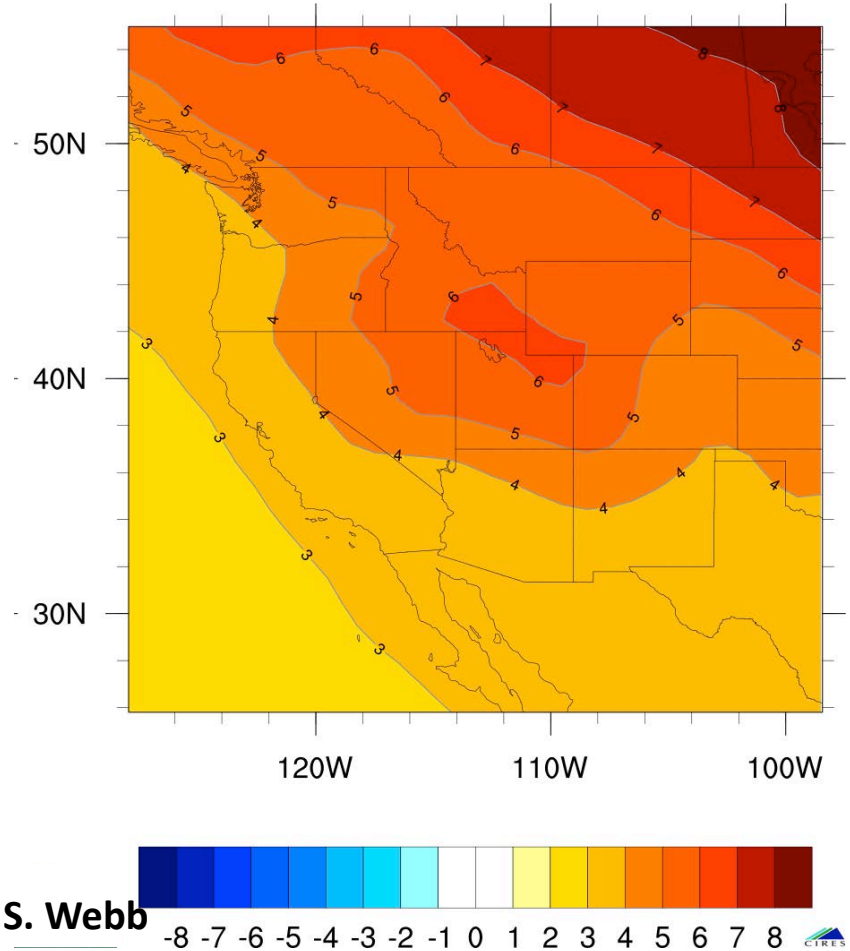
Coupled Model Intercomparison Project (CMIP5)
Temperature and Precipitation Projections (RCP 8.5)

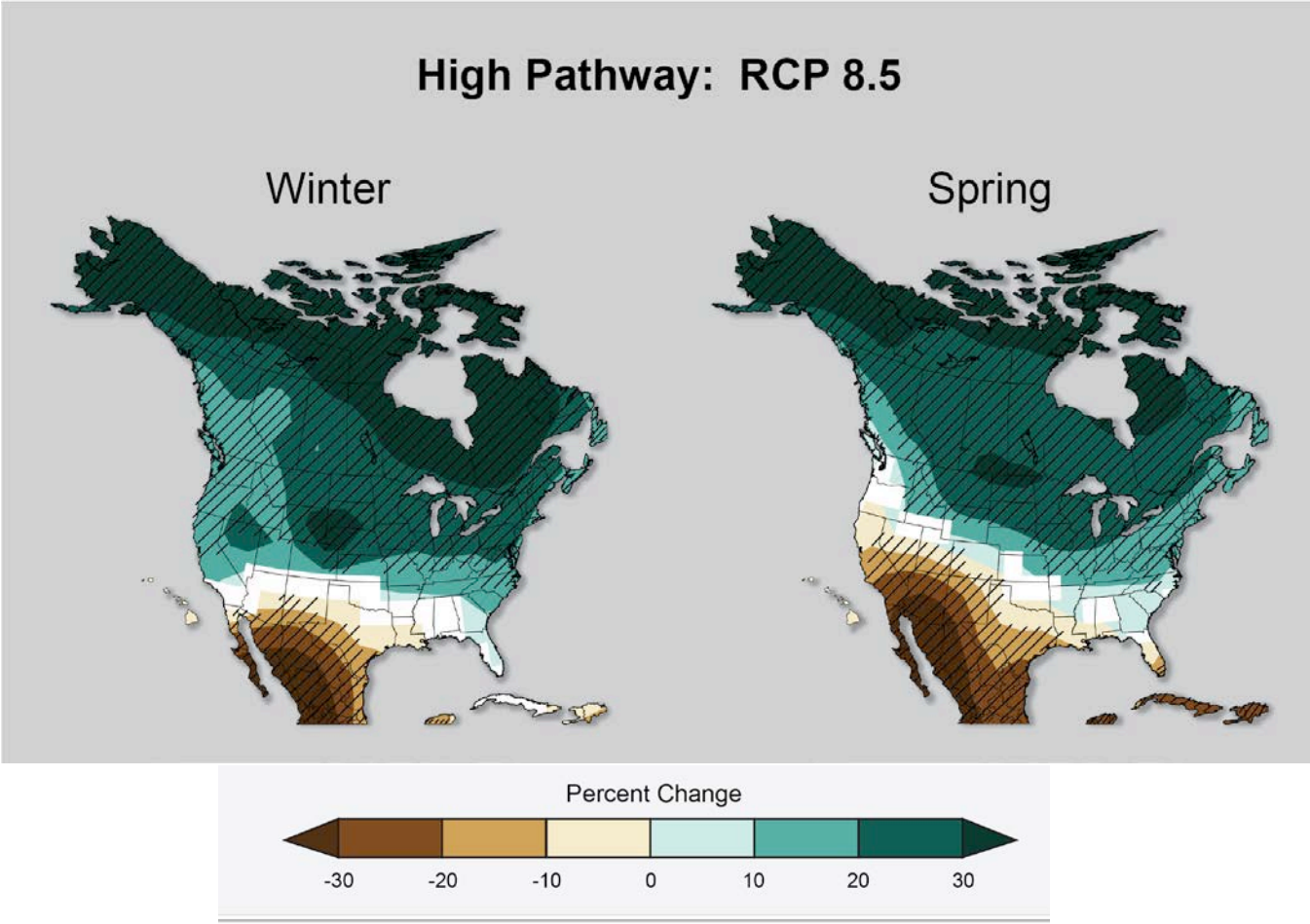


Potential Regional Climate Change impacts on flood and drought risks

CMIP5 models project warmer conditions in central to northern California in winter increasing the risk of more rain and less snow.

Mean changes in winter (DJF) minimum seasonal temperature (°C) and precipitation (percent) for 2050 to 2099 minus 1911 to 2005



Potential Regional Climate Change impacts on flood and drought risks

CMIP5 models project wetter winter conditions in central to northern California but drier spring conditions