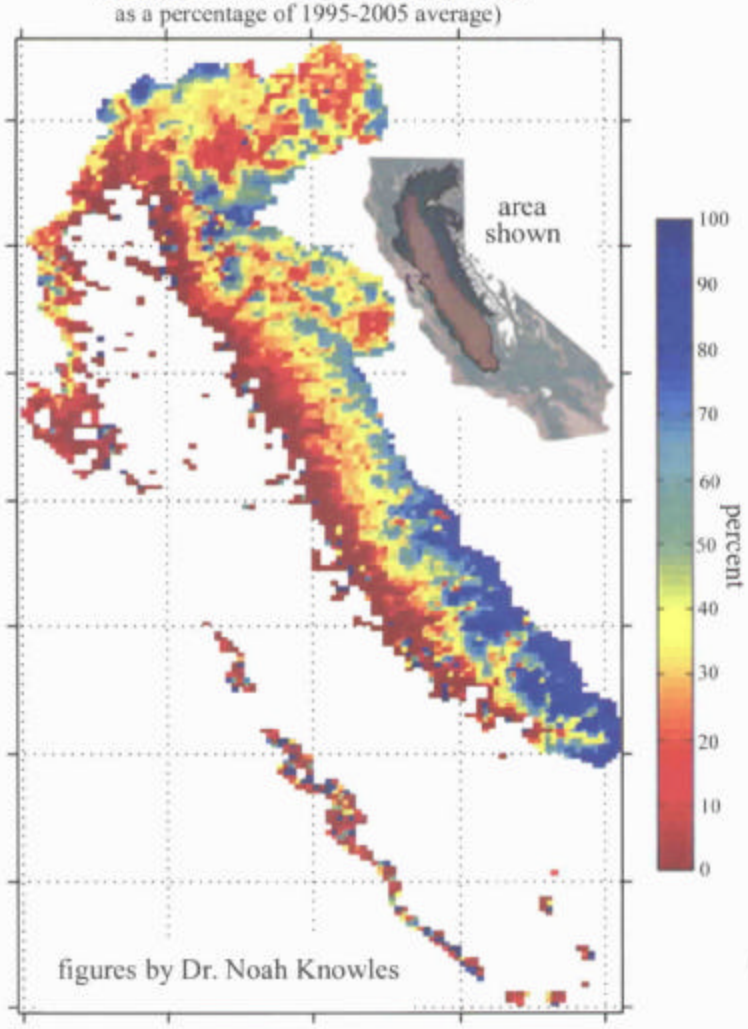
Global Warming:
Projected Changes in California's Hydrology by 2060

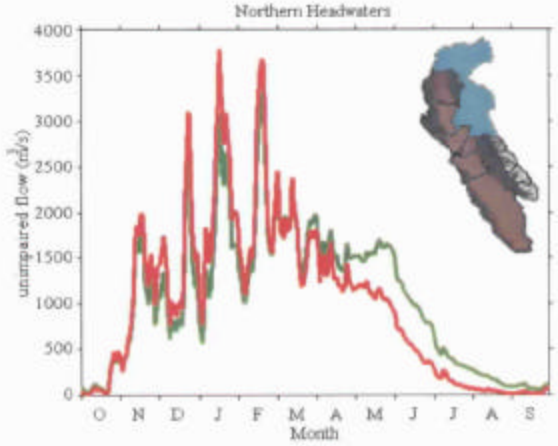
Climate Research Division

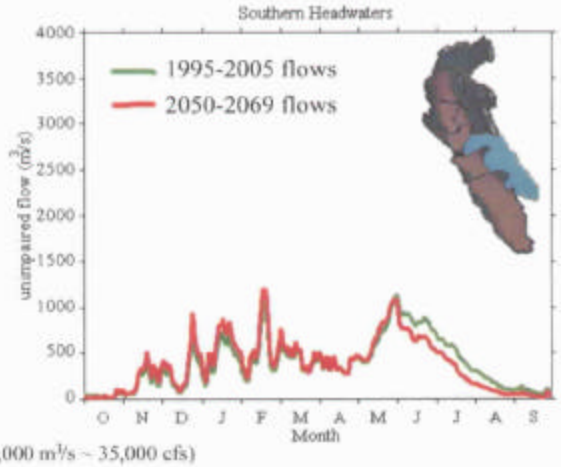
Snowpack Changes

(average 2050-2069 liquid water equivalent
as a percentage of 1995-2005 average)



Outflow Changes





(1,000 m³/s ~ 35,000 cfs)

(20-year centered avg monthly T anoms rel to 1995-2005 monthly avgs from PCM B06.44 run, used to force BDWM with WY65-87 conditions, 6/18/01)

Snowpack Changes:

Evolution of Average Annual Snow Water Equivalent as a Percentage of Average 1995-2005 Values

(effect of temperature changes only: historical P, baseline T from WY 1965-1987)

Climate Research Division

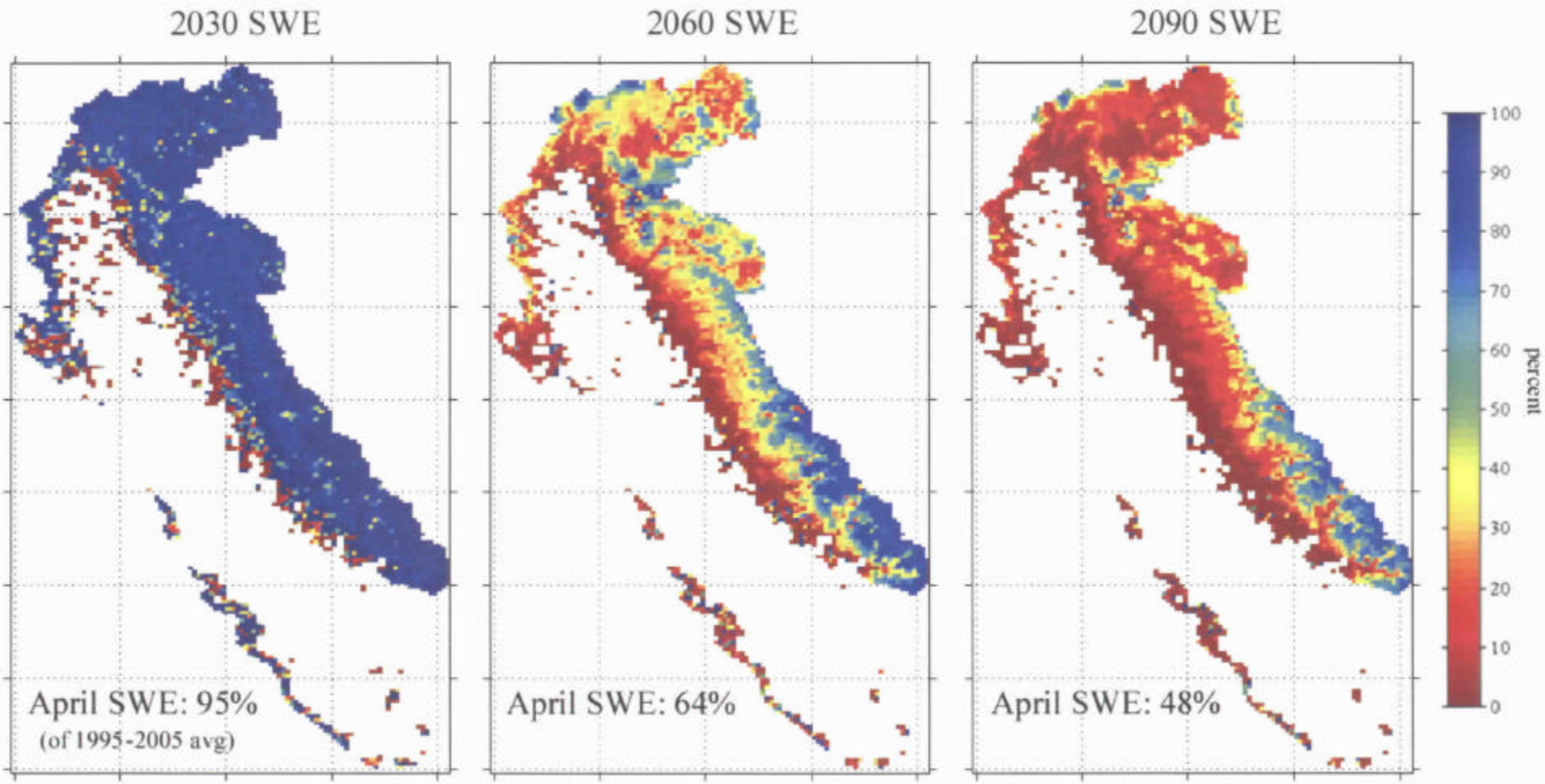


figure by N. Knowles

(20-year centered avg monthly T anoms rel to 1995-2005 monthly avgs from PCM B06.44 run, used to force BDWM with WY65-87 conditions. 6/18/01)

Projected Changes in Regional Outflows

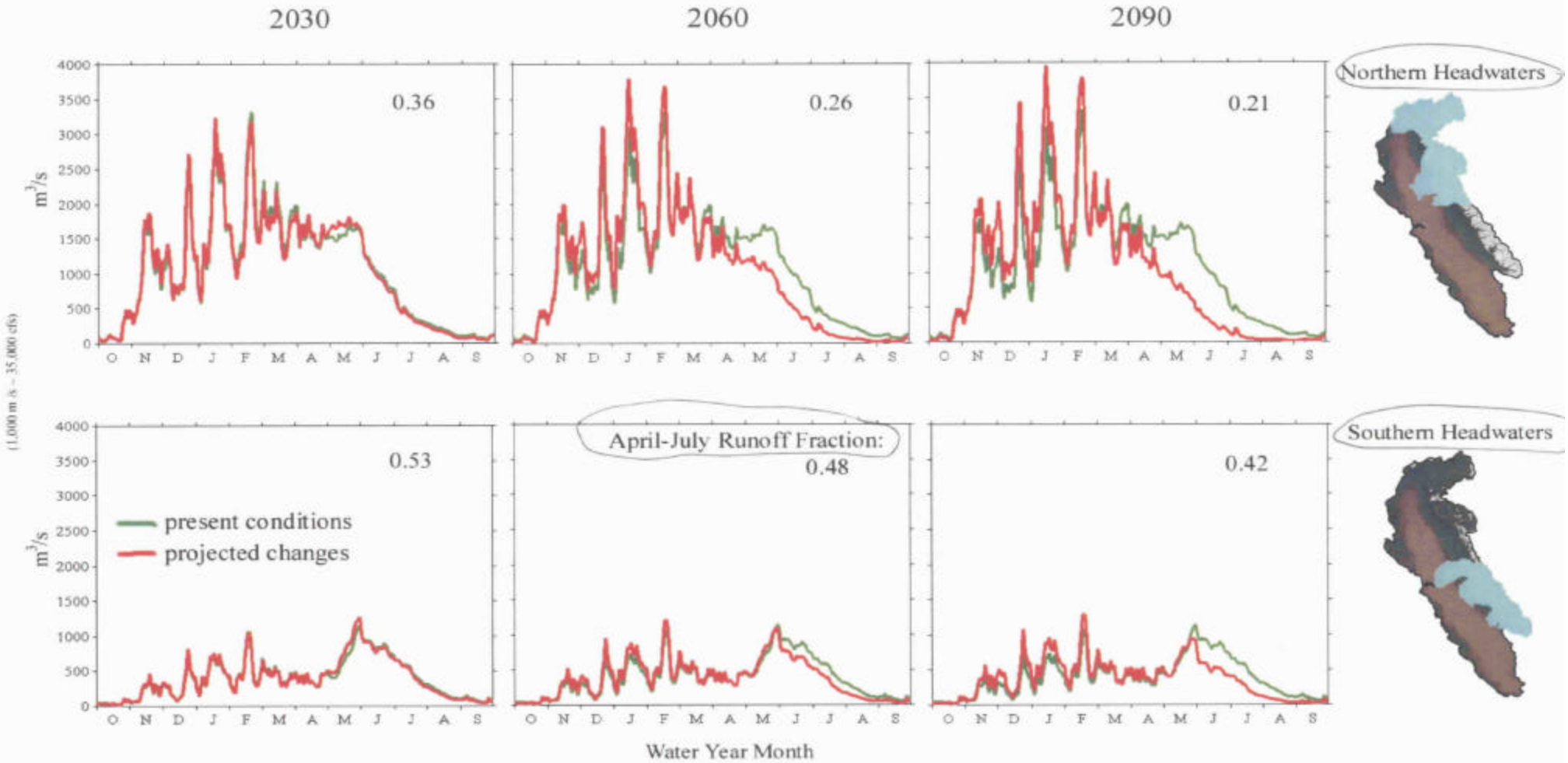
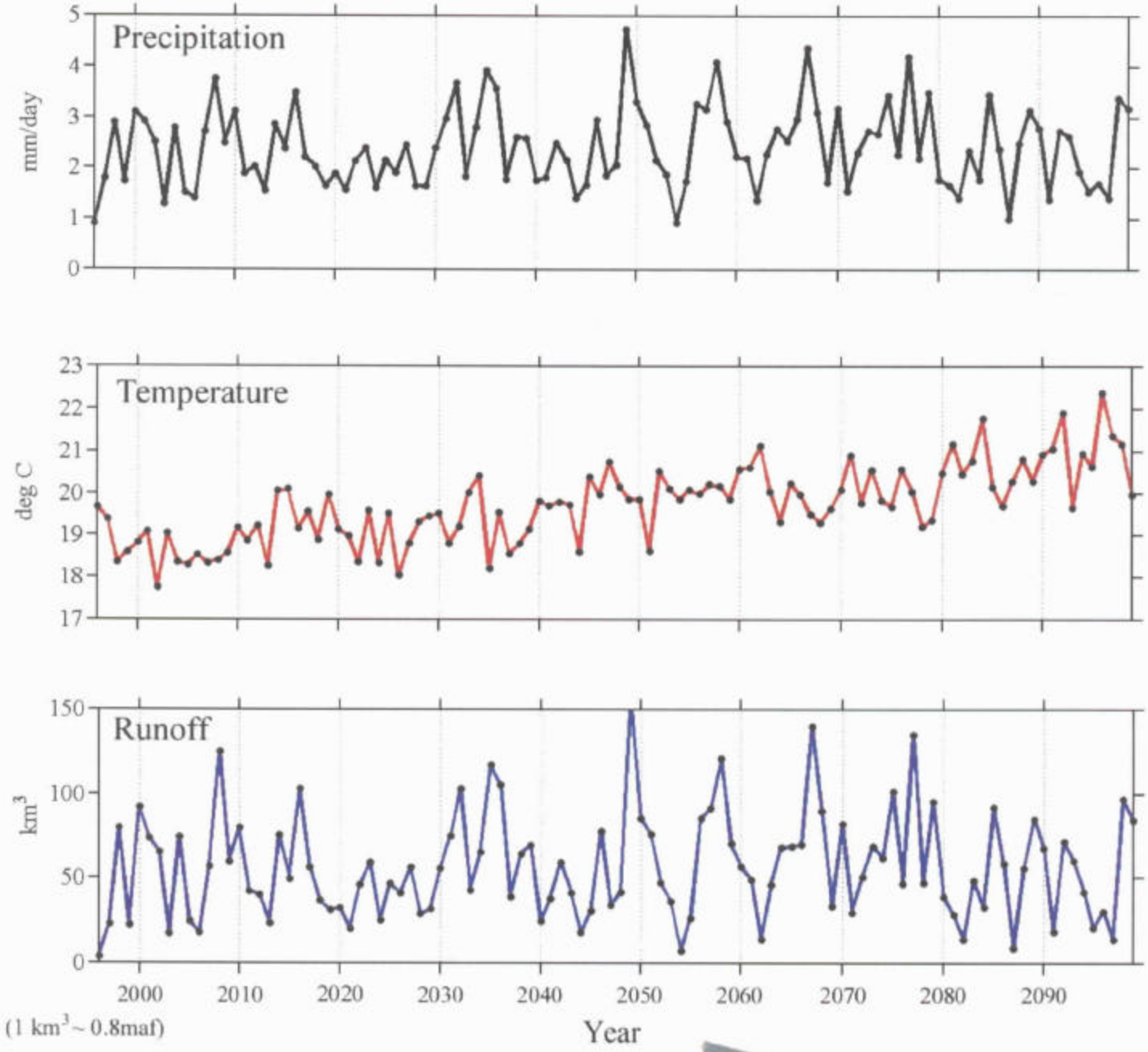


figure by N. Knowles

(20-year centered avg monthly T anoms rel to 1995-2005 monthly avgs from PCM B06.44 run, used to force BDWM with WY65-87 conditions, 6/18/01)

Simulated Interannual Variability (WY 1995-2099)



(1 km^3 ~ 0.8maf)

These values represent averages over the San Francisco Bay/Delta watershed.