

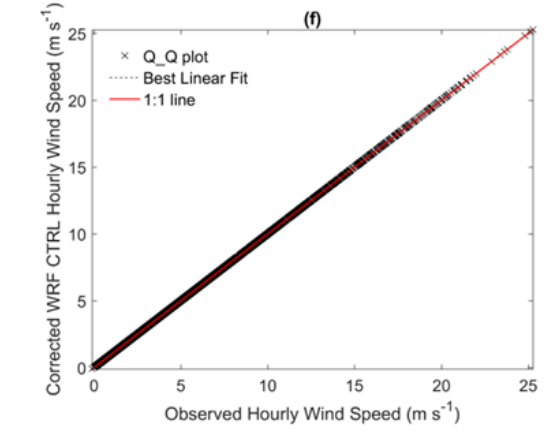
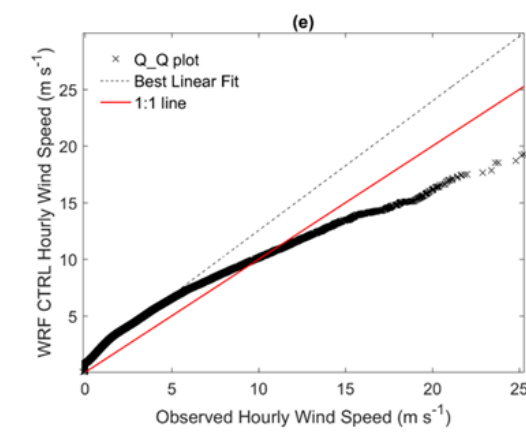
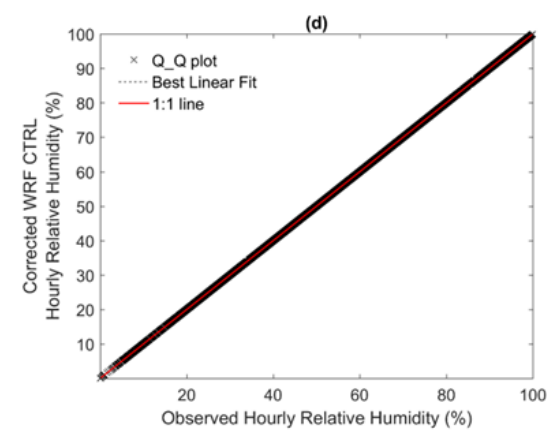
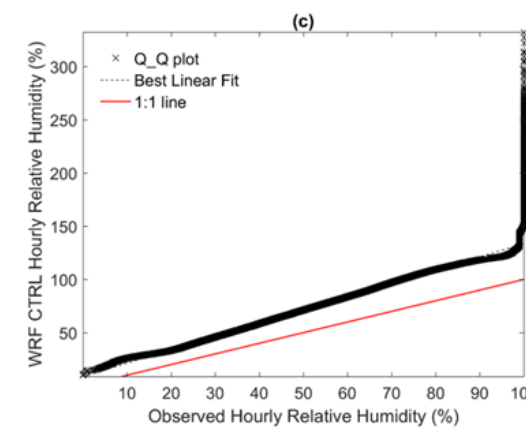
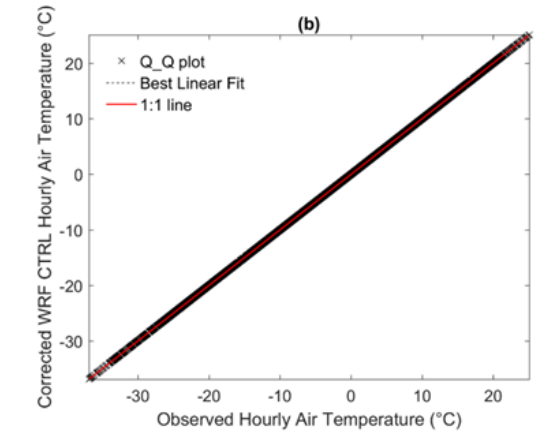
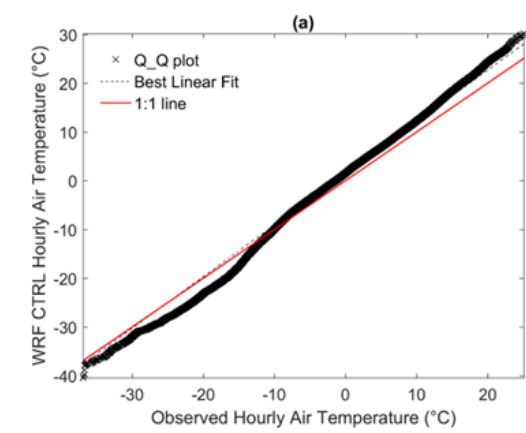
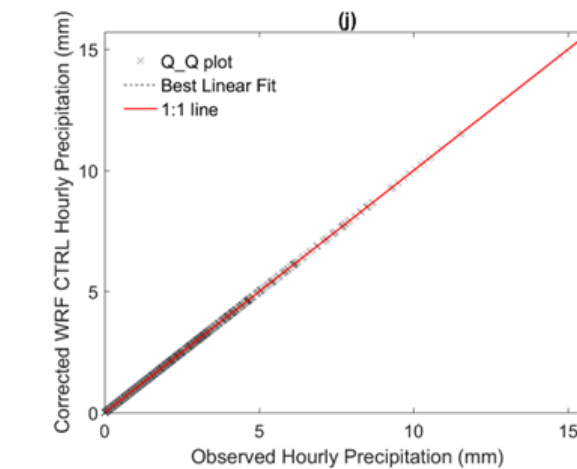
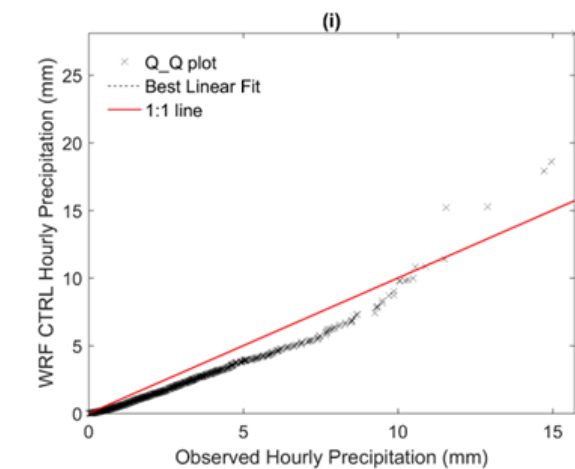
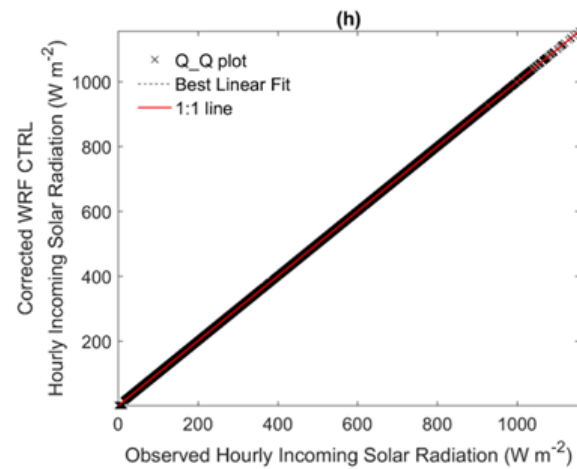
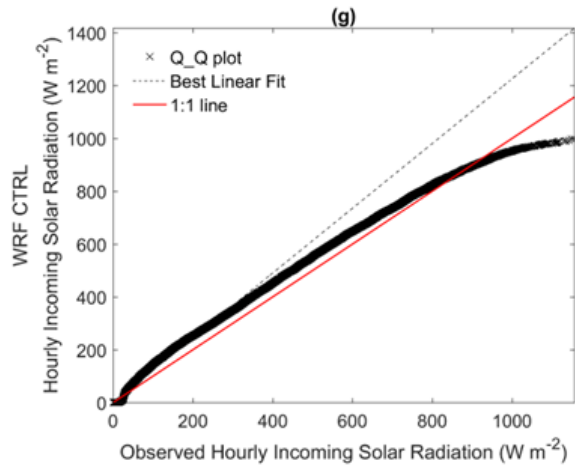
Diagnosis of future changes in hydrology for a Canadian Rocky Mountain headwater basin

John Pomeroy and Logan Fang

University of Saskatchewan, Canmore, AB

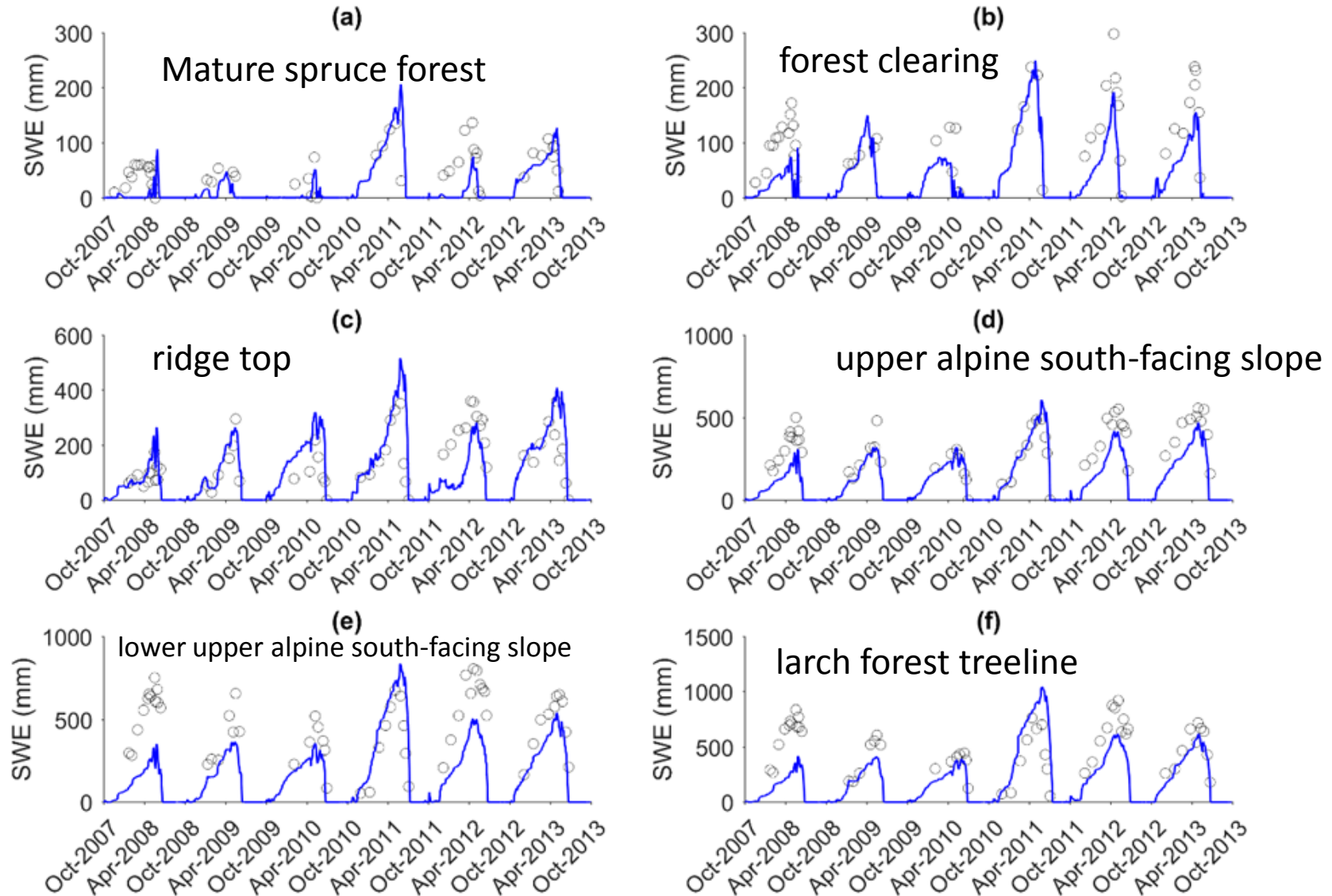
Marmot Creek -

- CRHM model driven with bias corrected WRF 4 km (ERA-Interim)

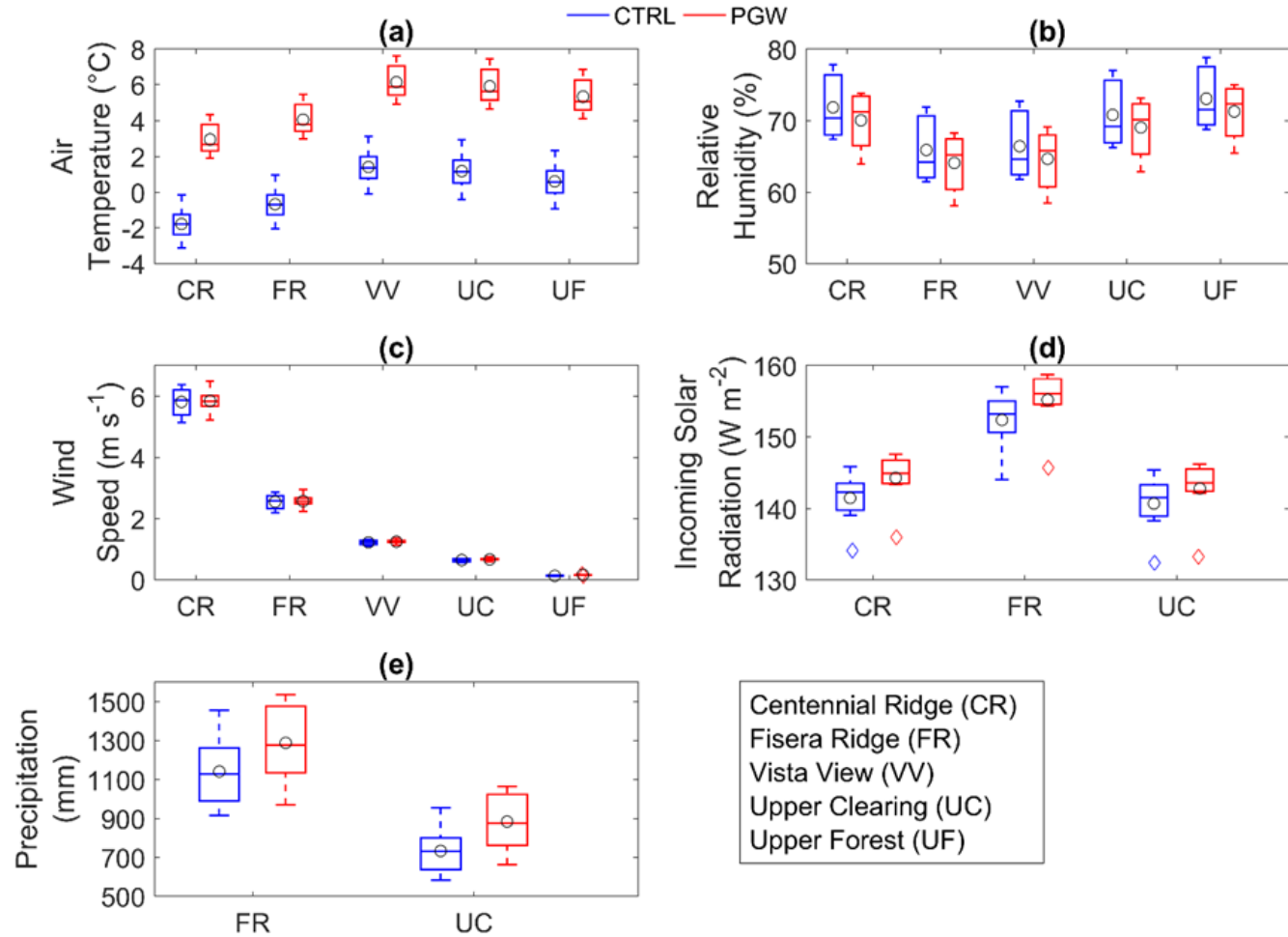
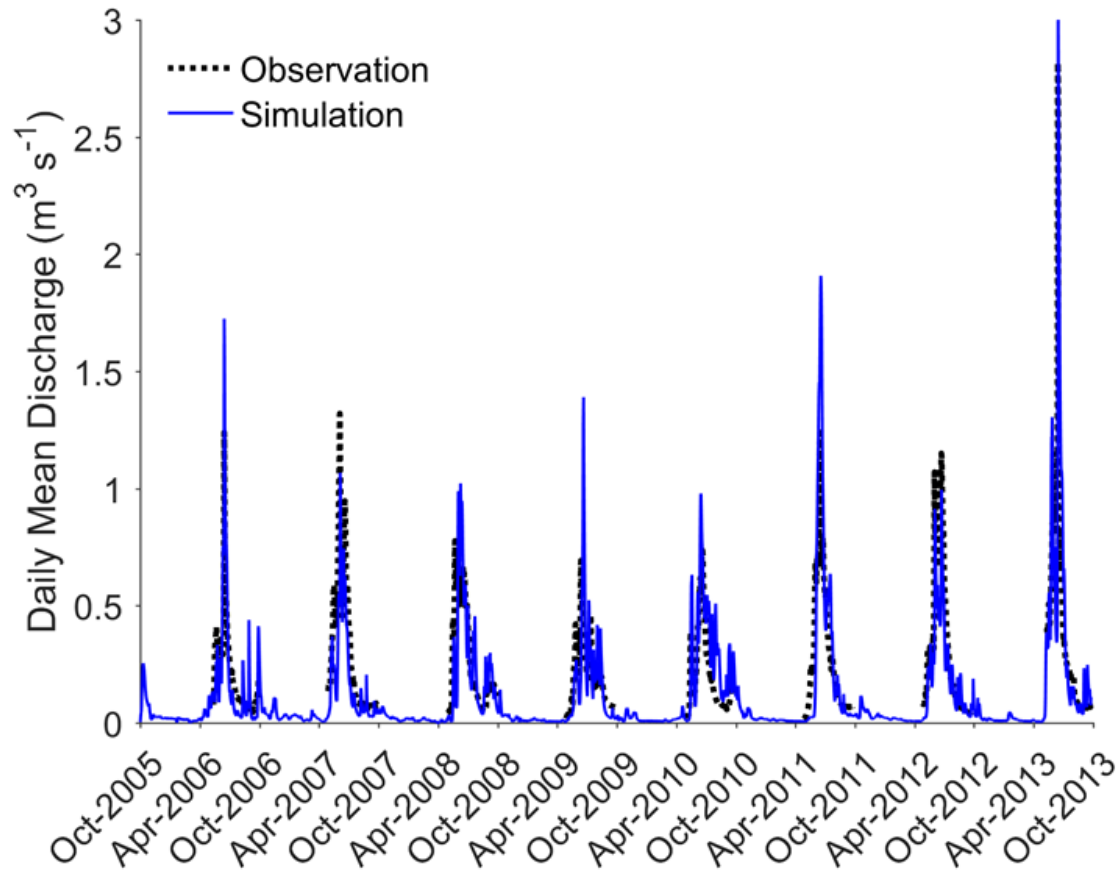


WRF-CRHM Snowpack Simulations

○ Observation — Simulation

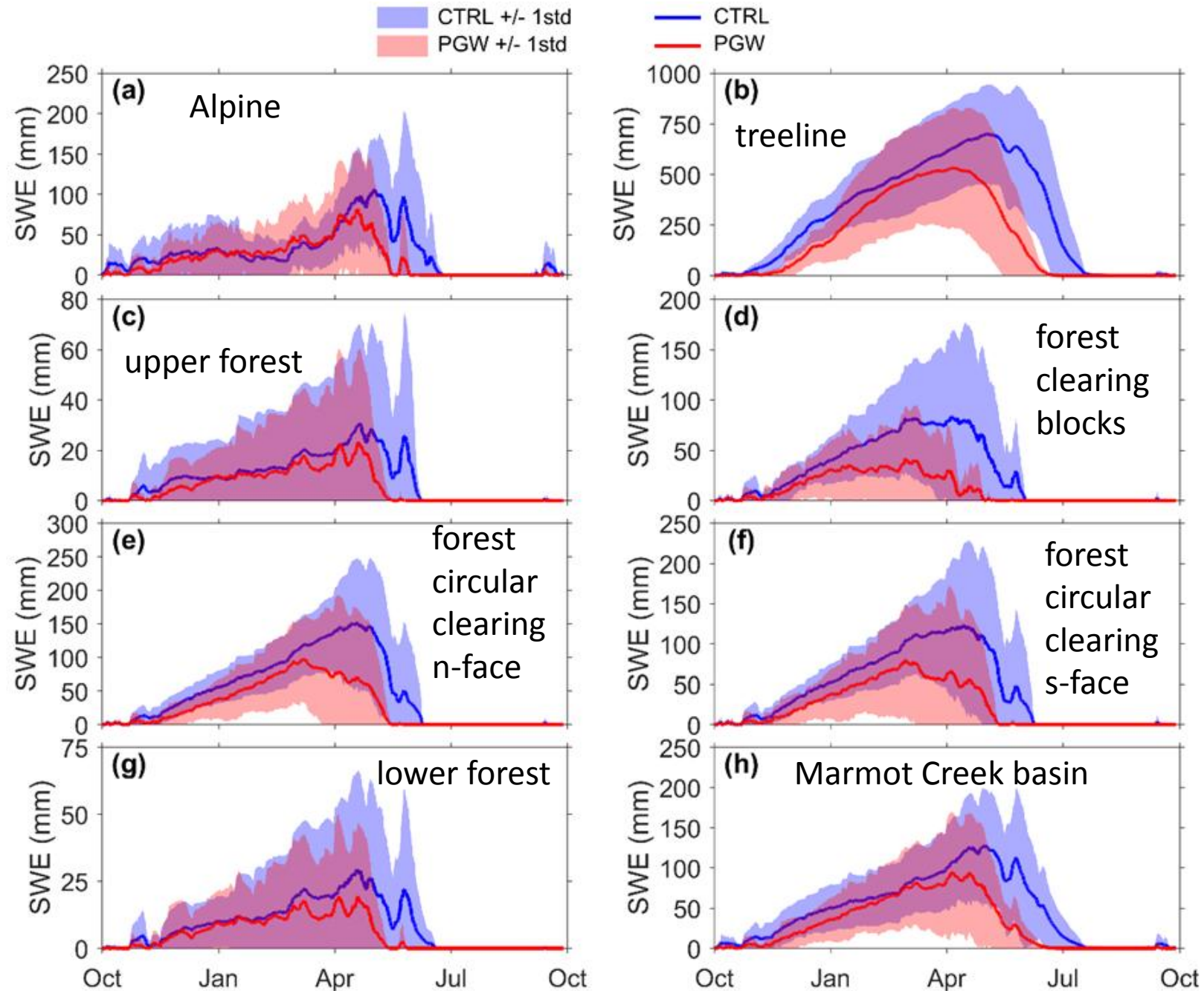


WRF-CRHM Hydrographs and the Climate Change



Pseudo Global Warming from RCP8.5 average of CMIP Models

Snow Change with Pseudo Global Warming



Streamflow Changes – loss of resilience

