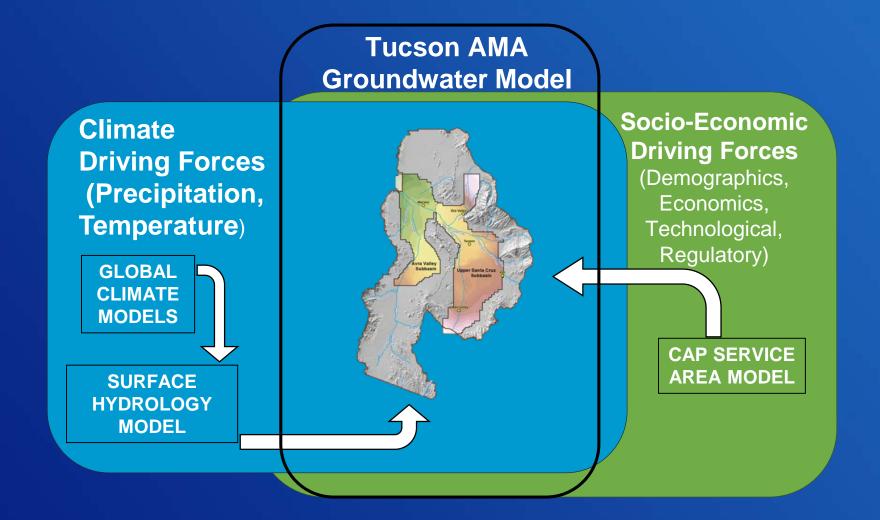
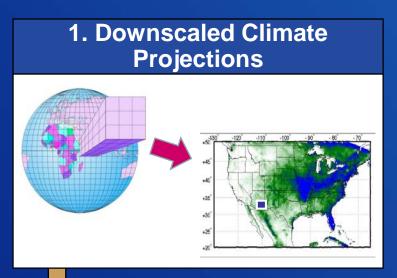
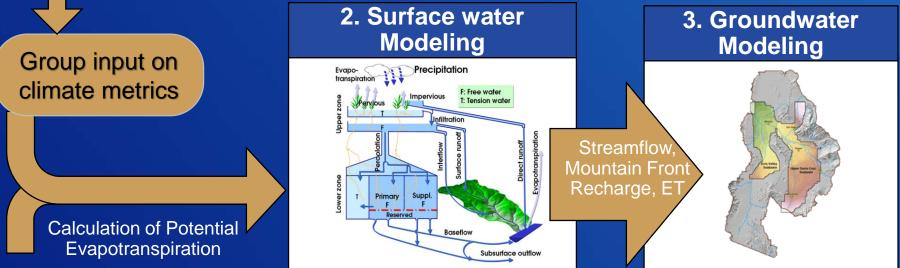


Simplified Modeling Overview



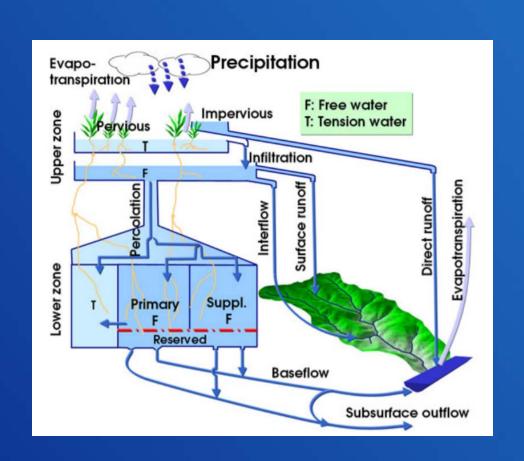


Primary TSC Tasks

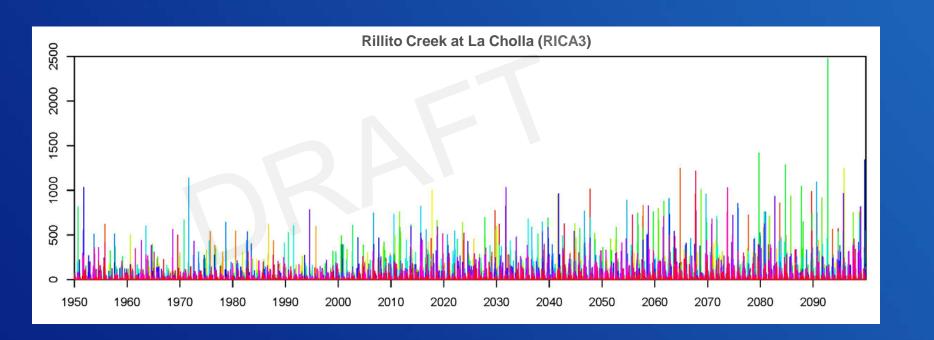


2. Surface Water Modeling – SAC-SMA Sacramento Soil Moisture Accounting model

- Simulates basin runoff and soil moisture
- Used operationally by the Colorado Basin River Forecast Center
- Spatially Lumped: based on mean basin inputs (Precipitation, Temperature, Potential ET) and outputs (runoff, baseflow, Actual ET)
- Continuous: has memory of previous soil moisture in system



2. Surface Water Modeling – SAC-SMA Preliminary Results



3. Groundwater Model - TAMA

- Extended to run through 2015
 - Included updated pumping rates
- Integrated model with USGS MODFLOW Python module (Flopy)
- Evaluated calculation of riparian vegetation ET in the Tanque Verde area

