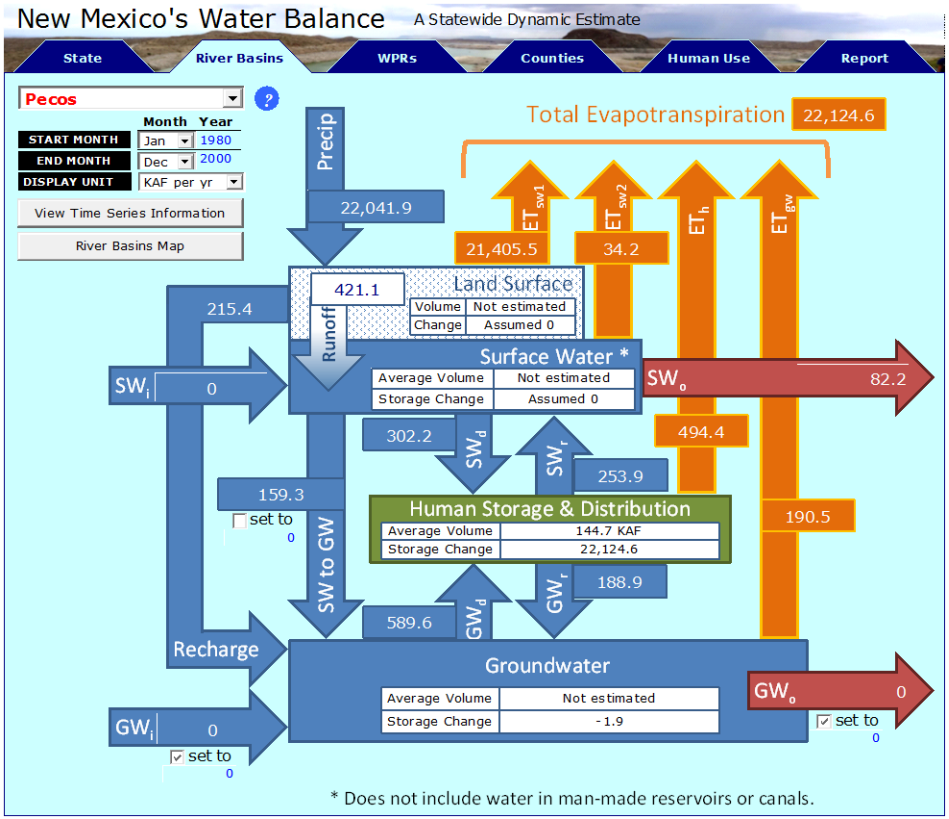
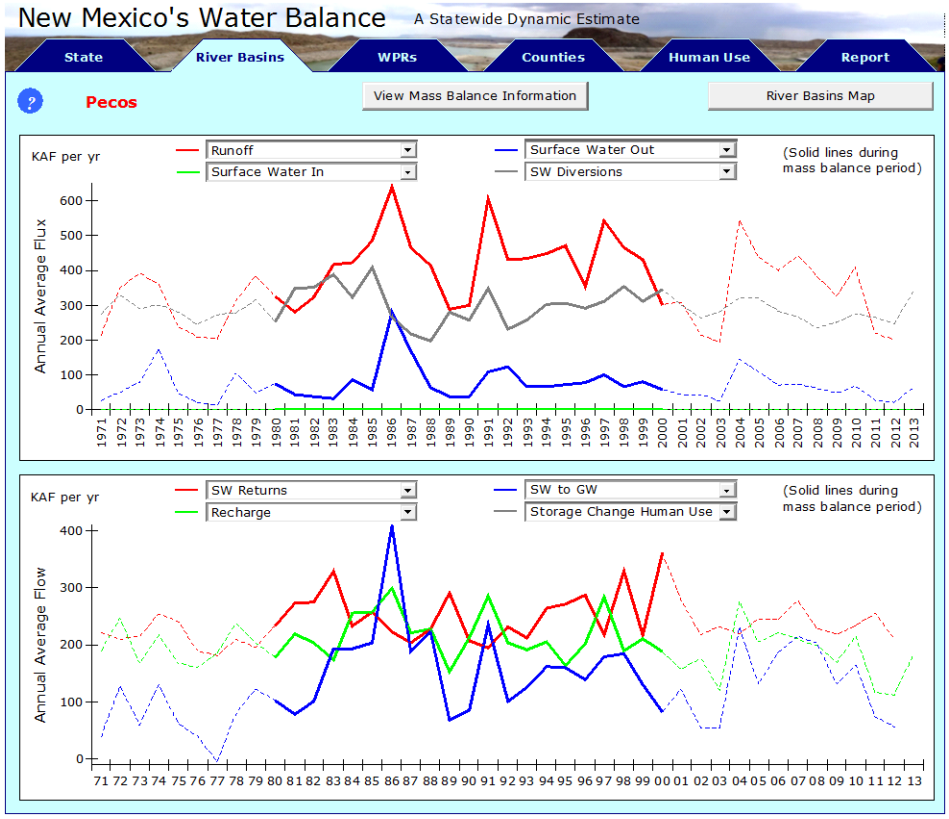
Dynamic Water Budget Progress Report

- Interface (front end)
  - Mass balance, time series, & map pages built for State, River Basin, Water Planning Region, and County levels.

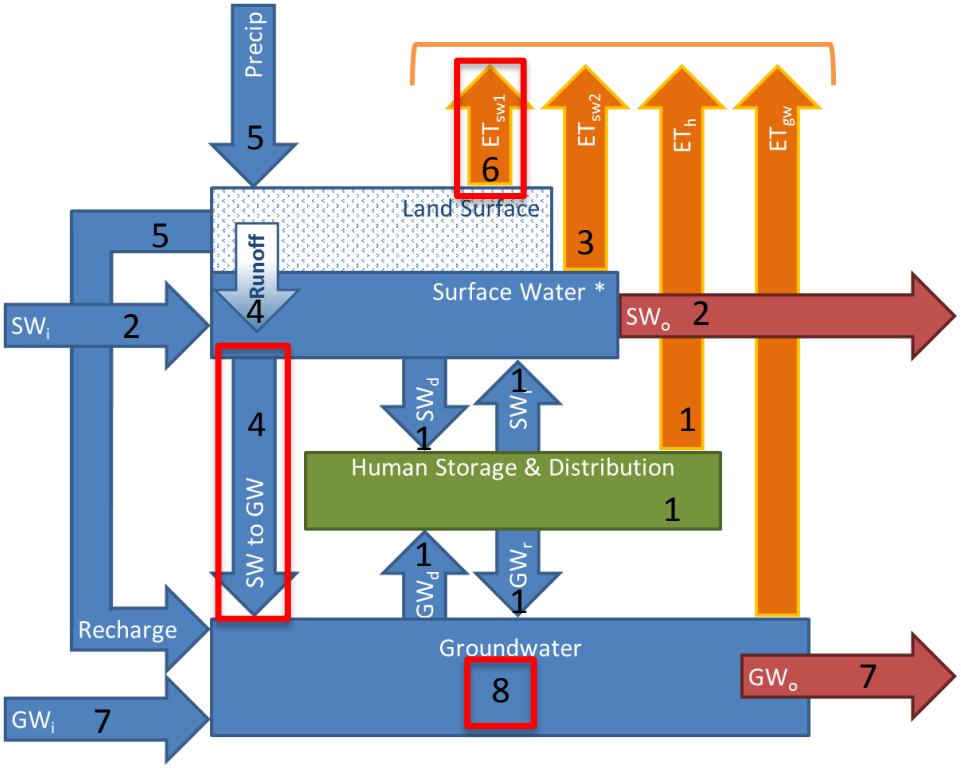
4.1.2015





Dynamic Water Budget Progress Report

- Calculations (back end)
  - San Juan, Pecos, Canadian, Texas Gulf, Lower Colorado basins complete. Rio Grande is underway and Central Closed Basins is last river basin in the queue.
  - Working on assuring mass balance maintained at all scales & timesteps.
  - (Then onto slicing and dicing into WPRs and Counties.)
  - Formalization of general approach to filling in mass balance terms.



1. Model/data based human diversion/consumption/return flows
2. Add gage based SWin and Swout
3. Add calculation based ETsw2
4. Use changes between gages and overall sw balance to assign runoff and losses to gw
5. Add PRISM precip and USGS recharge est.
6. Balance Land Surface with ETsw1
7. Add Gwi and Gwo info if any or set to zero
8. GW storage change absorbs remaining error

Most uncertain (error) terms?: SW to GW, GW storage change, ETsw1

3.29.3015