AUG3 - The Tool to Calculate Stream Depletion for Denver Basin Aquifers
NEW & Improved for 2019
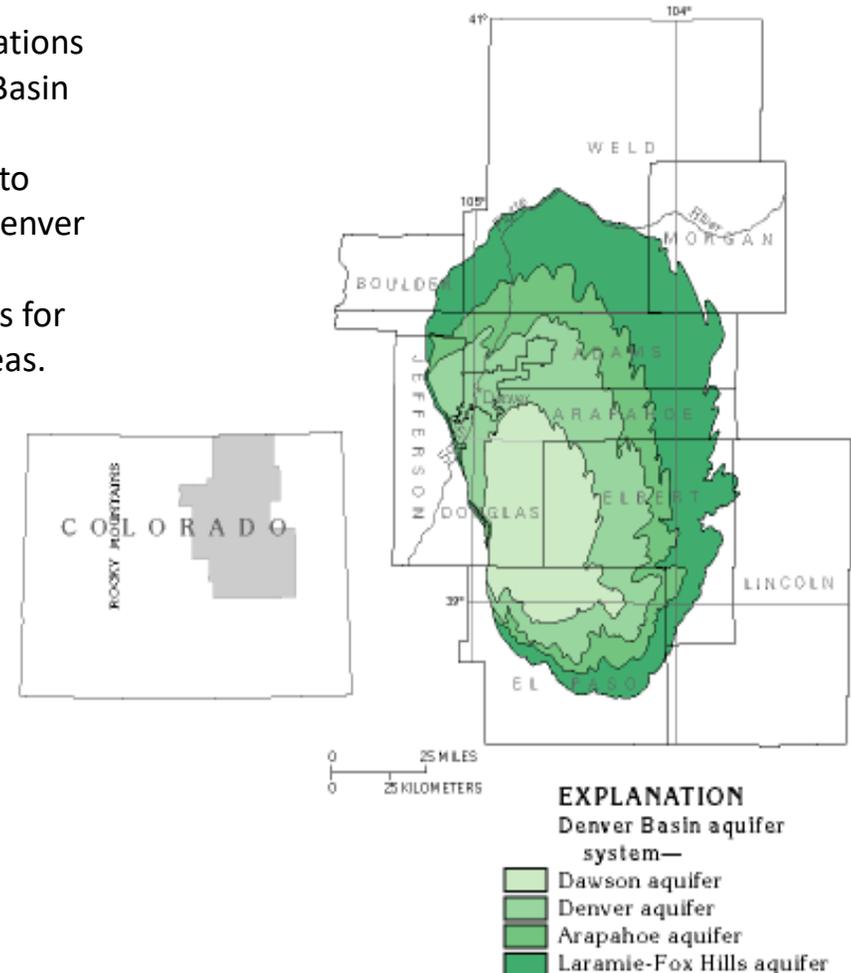
What is AUG3?

➢ AUG3 is a collection of Microsoft Windows based computer applications that calculate stream depletions from well pumping in the Denver Basin Aquifers.

➢ AUG3 originated as the *Denver Basin Groundwater Model* and was to determine the location of non - tributary groundwater within the Denver Basin aquifers.

➢ Now the tool is used by water users to determine stream depletions for Denver Basin aquifer wells in the not-nontributary groundwater areas.

February 2019 Update Includes:

➢ There are now 4 AUG3 Apps:
- SB5 Original Application (5-year timestep)
- SB5 Original Application (1-year timestep)
- Designated Basin Application (5-year timestep)
- Designated Basin Application (1-year timestep)

➢ New convergence criteria for the numerical models that improves efficiency and mass balance

➢ New presentation on old tables for all applications

➢ Completely Re–designed Designated Basin applications

➢ Re-designed User Manual – with key references & model grids for all windows

Contact the **CDWR Modeling/DSS Team** should you have any issues or questions

EXPLANATION
Denver Basin aquifer system—
- Dawson aquifer
- Denver aquifer
- Arapahoe aquifer
- Laramie-Fox Hills aquifer

Denver Basin Aquifer Schematic

Courtesy of USGS