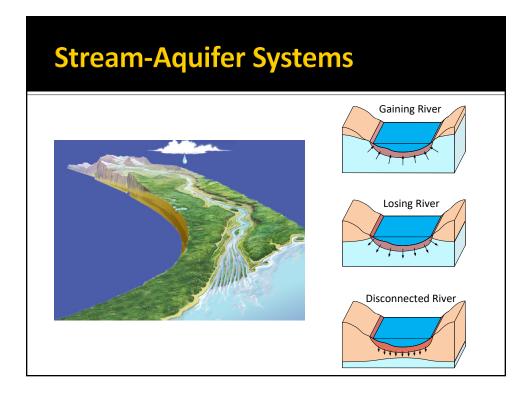
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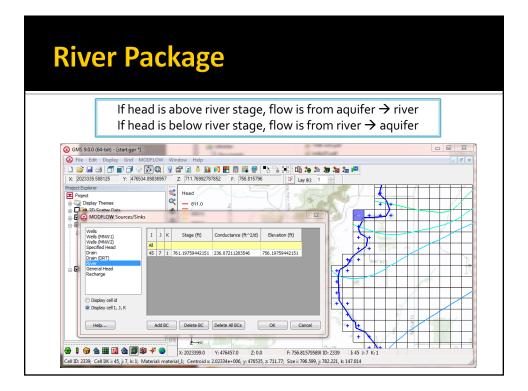
MODFLOW – Part 2 Advanced Packages

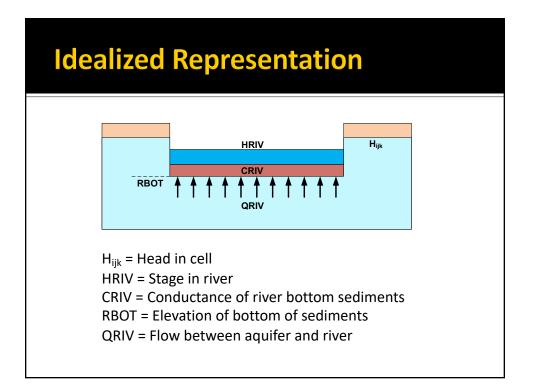


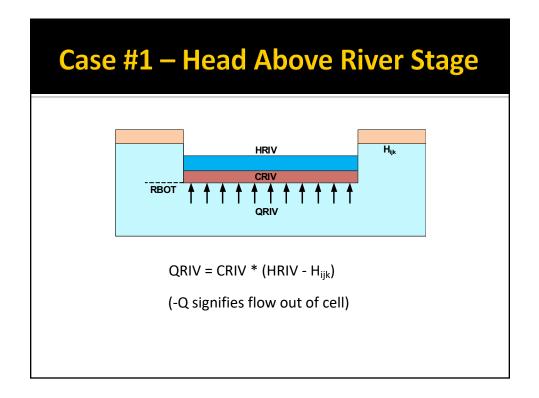
- RIV River
- STR Stream-Aquifer Interaction
- SFR Stream Flow Routing
- GHB General Head
- CHD Changing Head Boundary
- HFB Horizontal Flow Barrier
- EVT –
 Evapotranspiration

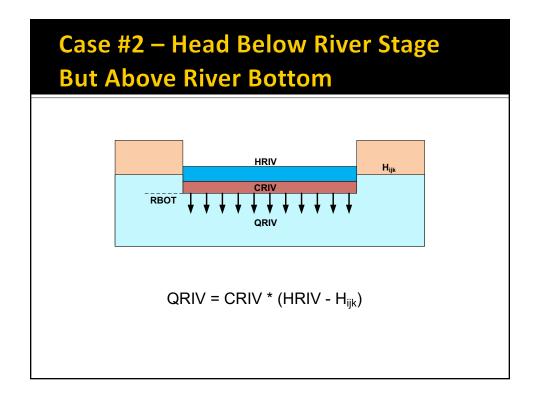
There are several additional packages that we will not cover. These are just some of the more commonly-used packages

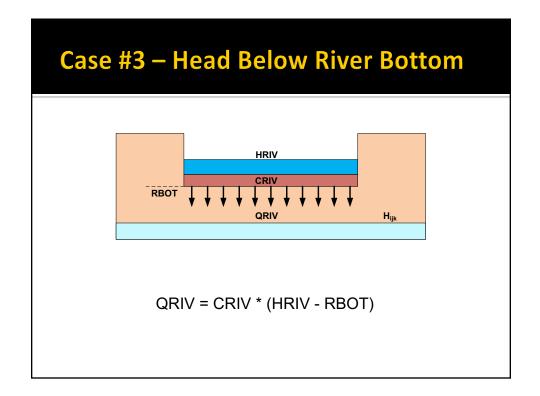


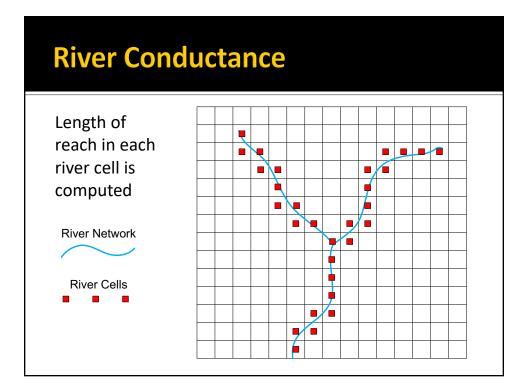


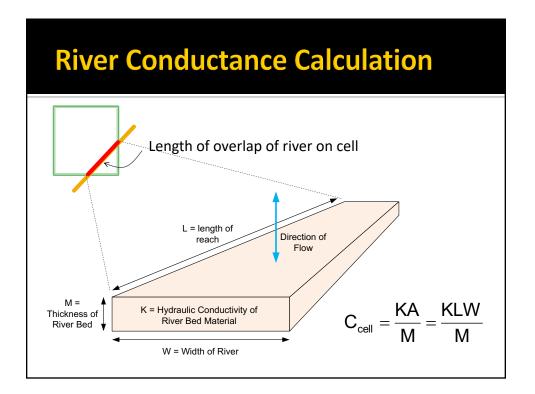


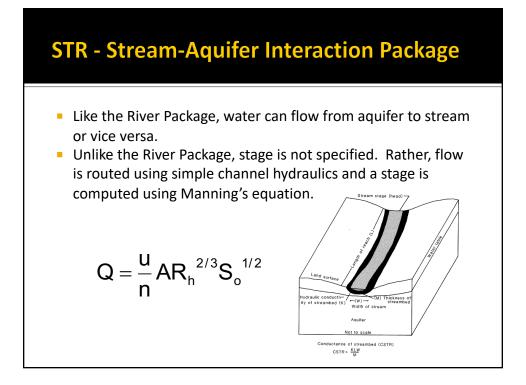


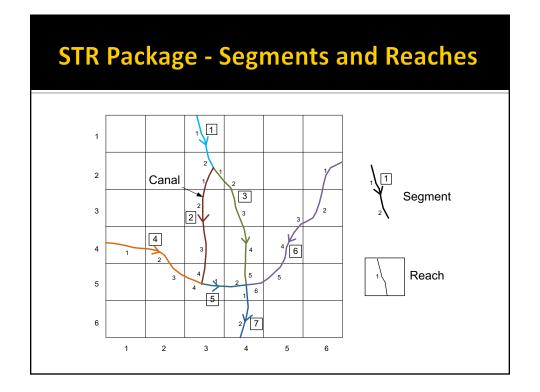








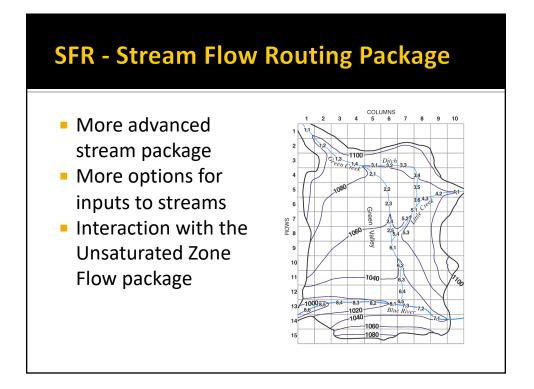




STR Package - Required Attributes

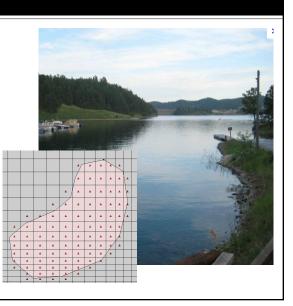
Segments

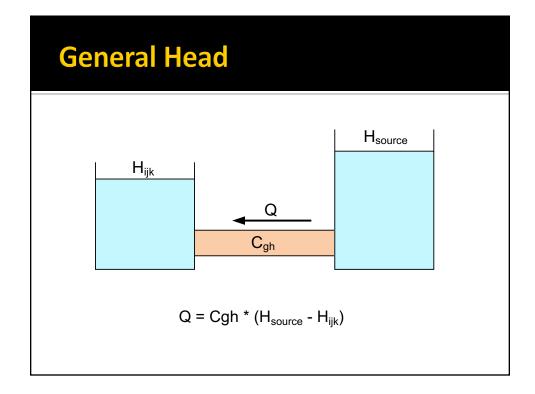
- Incoming flow (for top segments and diversions)
- Width
- Slope
- Manning's roughness coefficient
- Reaches
 - Conductance
 - Elevation of the bottom of the streambed
 - Elevation of the top of the streambed

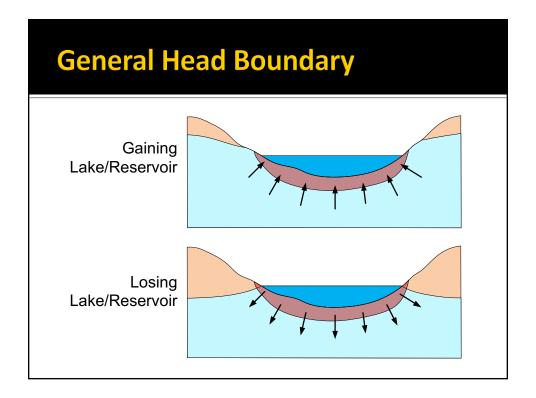


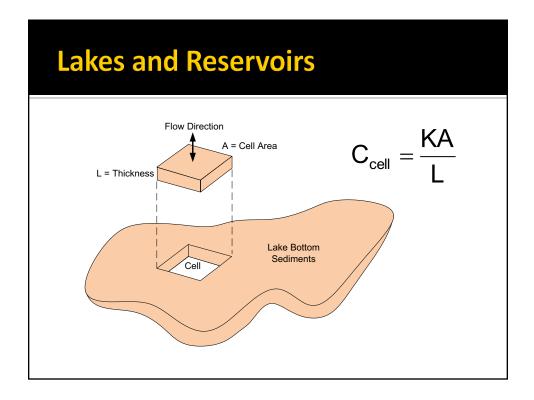
GHB - General Head Package

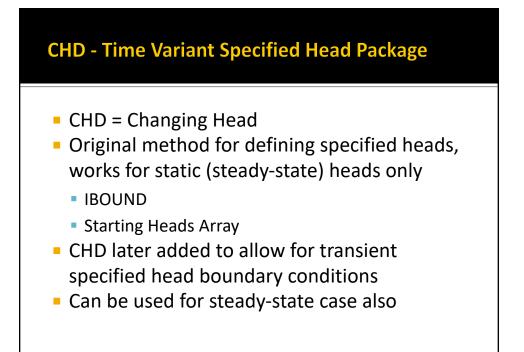
- Often used to simulate lakes, reservoirs
- Required parameters:
 - Head
 - Conductance

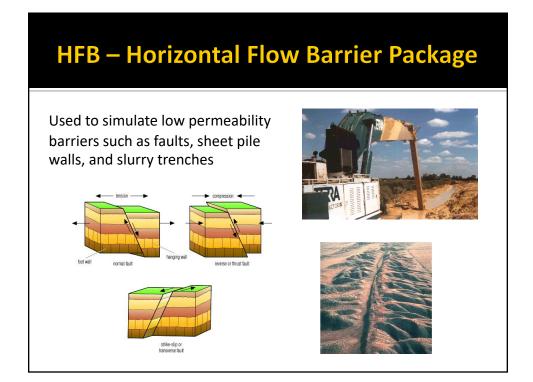




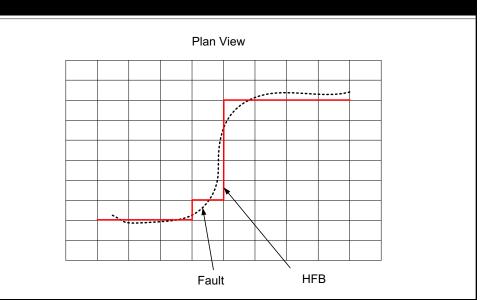


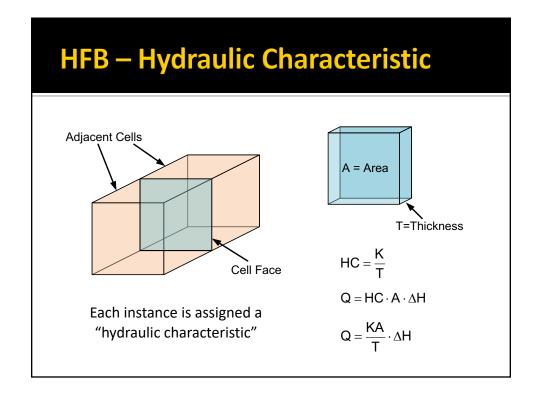


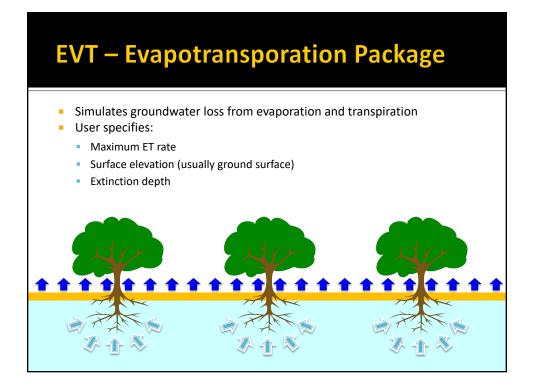


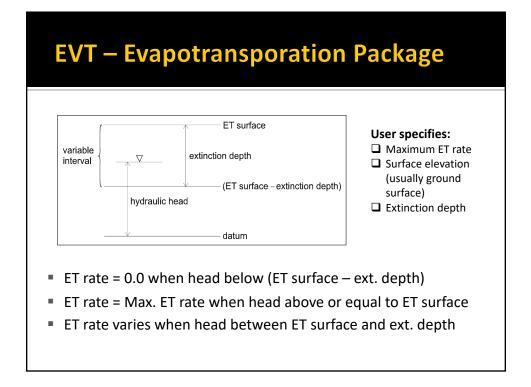












MODFLOW-USG

New version of MODFLOW that allows for unstructured grids (no rows/columns/layers). Uses finite volume formulation.

