May 28, 2017

Future MT3D-USGS Development Ideas:

* Read MODFLOW6 CBC file to work with structured grids of MODFLOW6
* MNW2 borehole transport (See “Modeling Effects of Multinode Wells on Solute Transport”). I sent Lenny an email asking if he still has this test model on 5/28/17.
* Reactive transport
  + Add all RT3D-type modules by extending the existing generic formulation
  + Add reactive transport to SFT and LKT packages
* Temperature simulation package
  + Look into 1D stratification (From Vivek email with subject line “MT3D-USGS development plans” on 5/28/17: “…They use a simple 1 D advective dispersive equations which can be easily incorporated in MT3D…”
* Age simulation package
* CTS package
  + include circulation on recharge cells
  + include circulation on UZF recharge cells