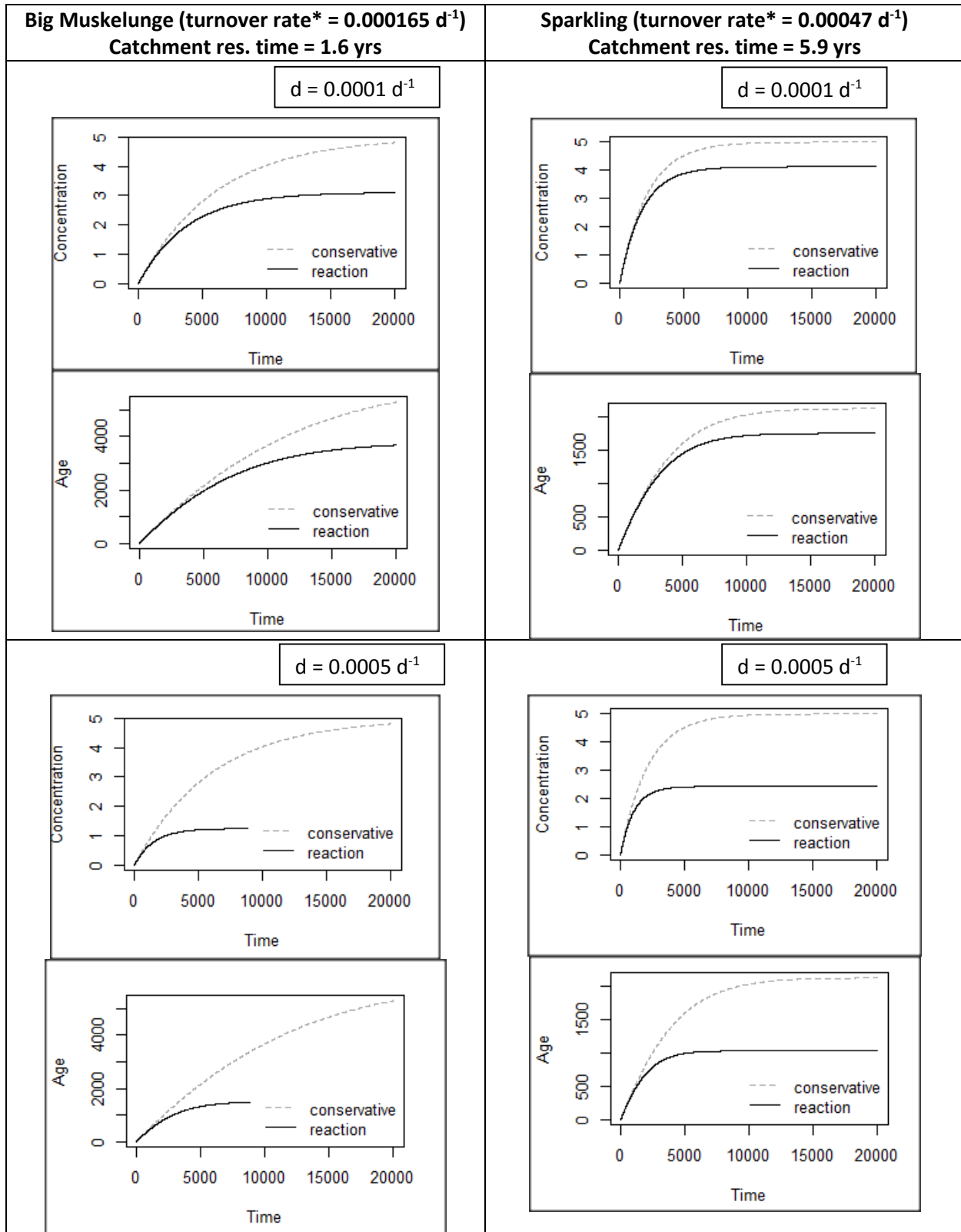
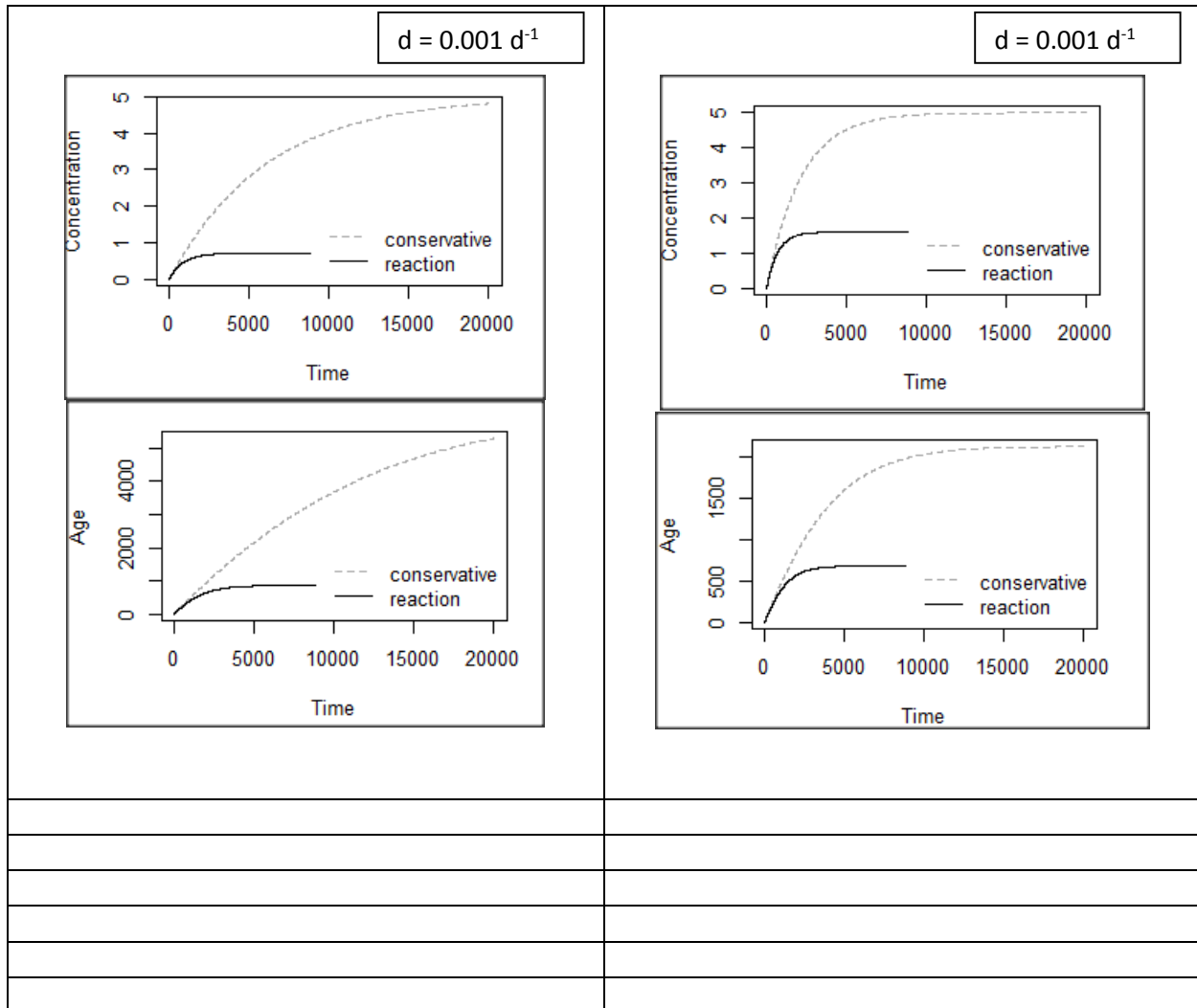


Age of Carbon – Practice runs by Tom for idealized CATCHMENT residence times





*Turnover rate estimated for catchment using Darcy's Law and a porosity of 0.35, assuming (1) terrain slope = gw slope, (2) homogeneous soil permeability, and (3) average length of travel is $\frac{1}{2} \times \text{sqrt}(\text{catchment area})$.