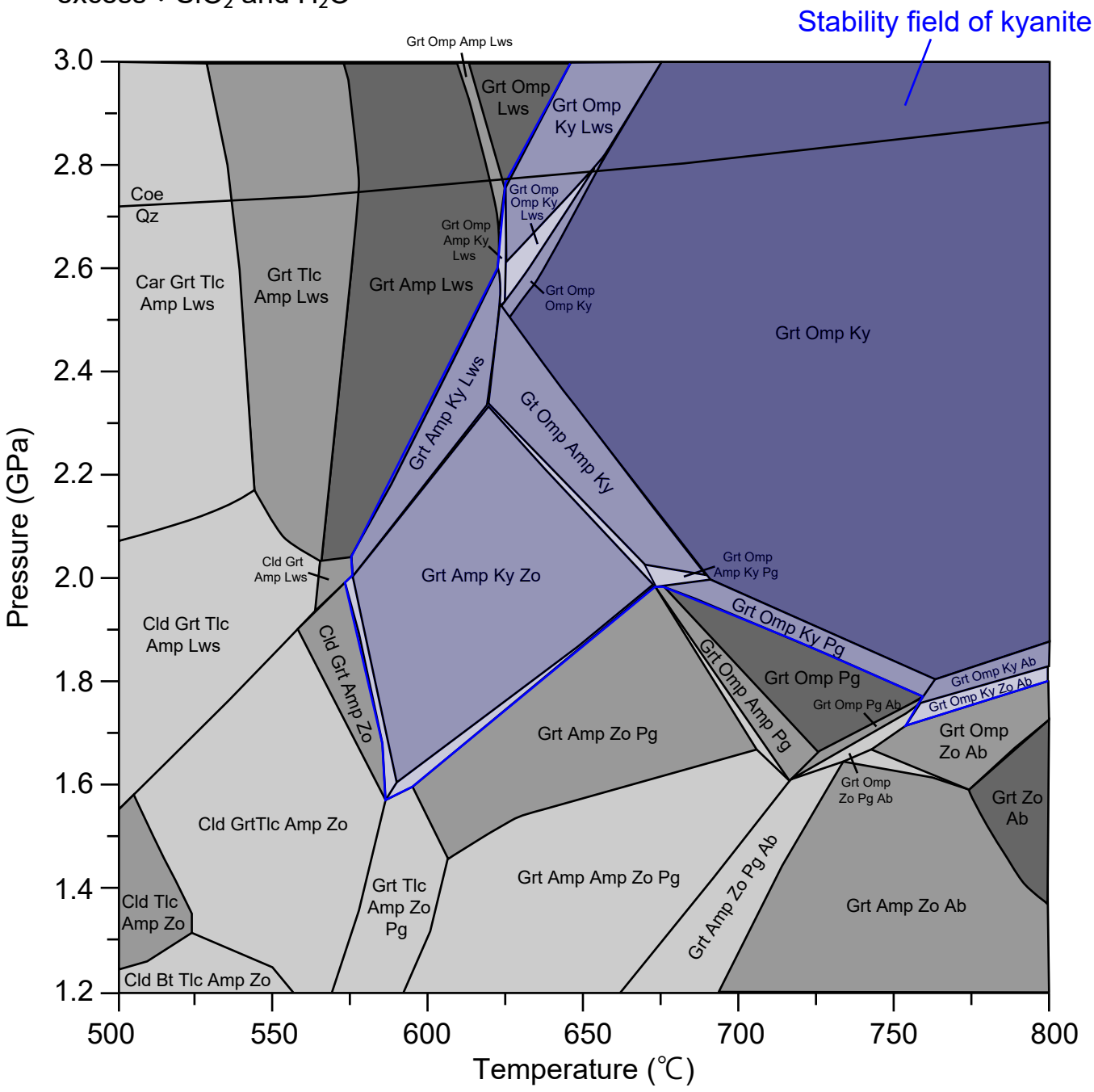GE1501b NKCFMASH system (+ SiO_2 phase and phengite)
excess：SiO_2 and H_2O