

Banks Island - Ilmenites

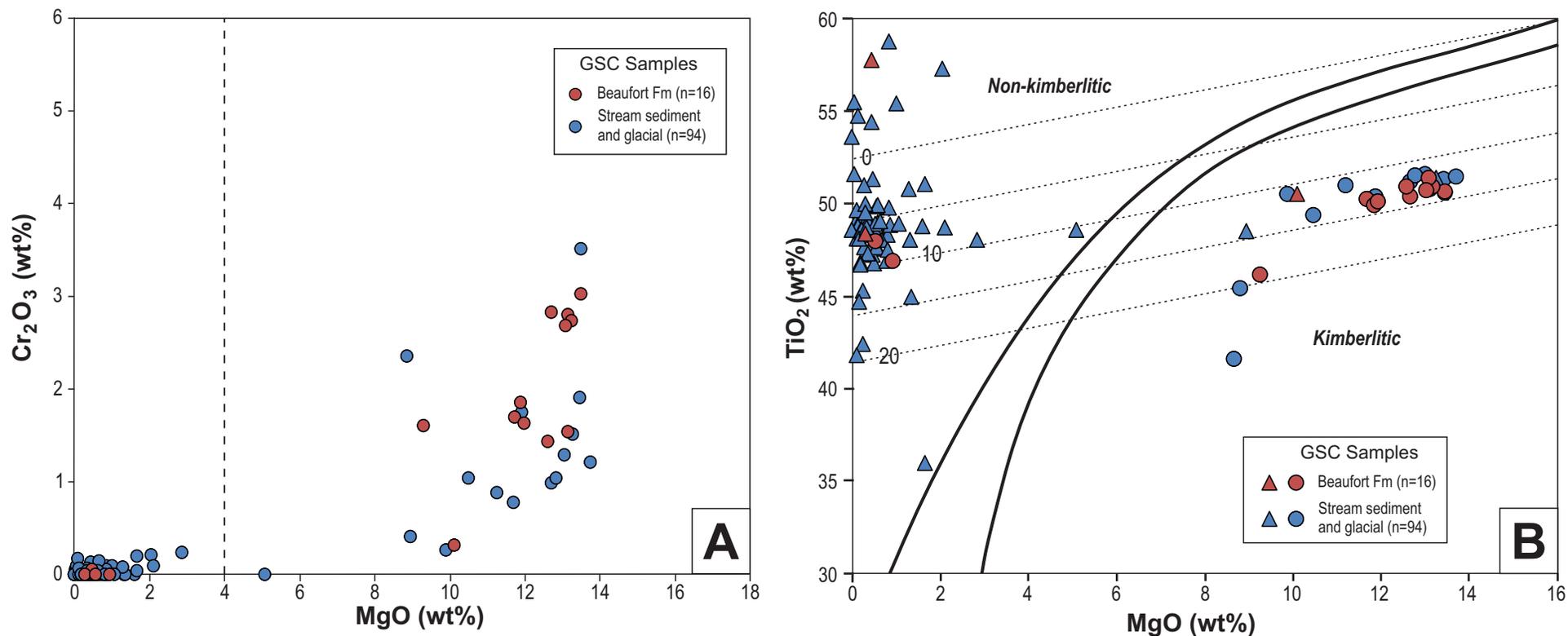


Figure 15. GSC Banks Island ilmenite grain chemistry plots. **A)** Cr₂O₃ versus MgO bivariate plot (Mg-ilmenites >4 wt% MgO); **B)** MgO versus TiO₂ (wt%) plot discriminating kimberlitic from non-kimberlitic ilmenite grains; dashed lines are percentage Fe₂O₃ contours (after Wyatt et al., 2004). Circle symbols are those grains identified by ODM as Mg-ilmenite; triangle symbols are those grains identified by ODM as crustal ilmenite.