

Banks Island - Ilmenites

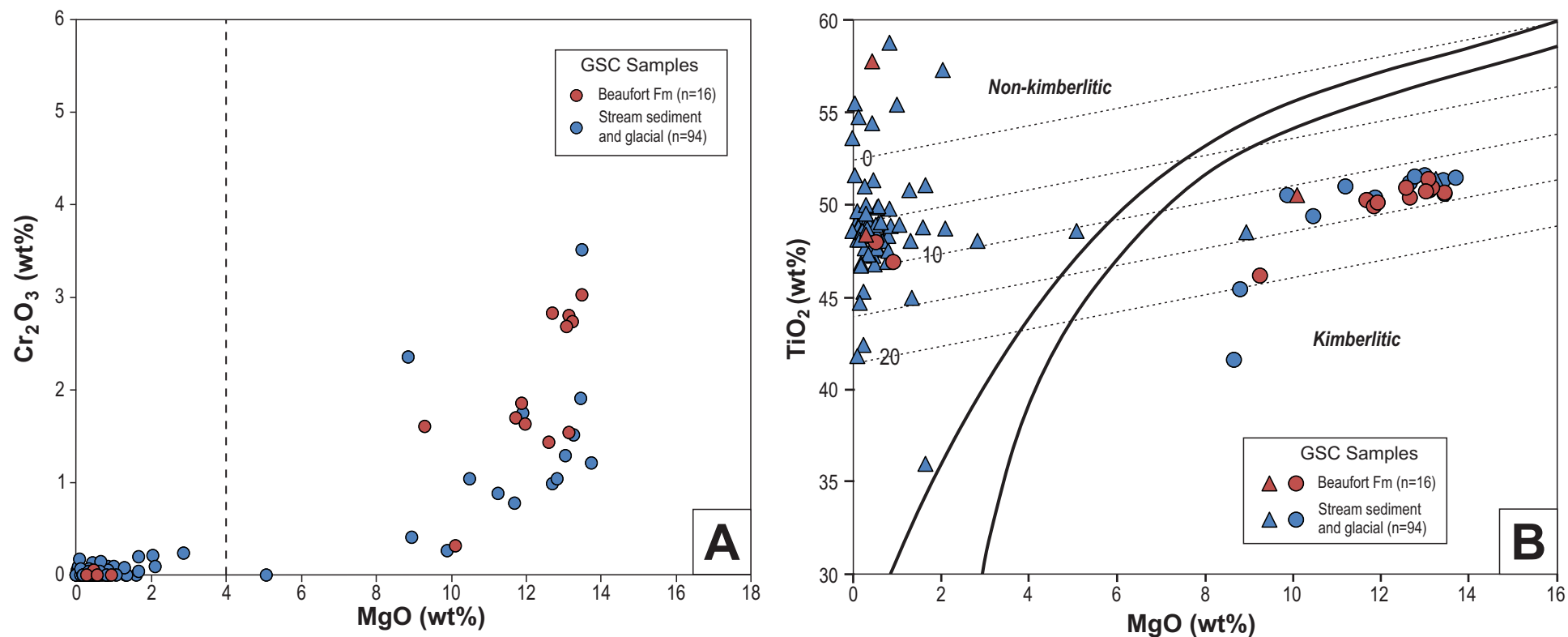


Figure 15. GSC Banks Island ilmenite grain chemistry plots. **A)** Cr_2O_3 versus MgO bivariate plot (Mg-ilmenites >4 wt% MgO); **B)** MgO versus TiO_2 (wt%) plot discriminating kimberlitic from non-kimberlitic ilmenite grains; dashed lines are percentage Fe_2O_3 contours (after Wyatt et al., 2004). Circle symbols are those grains identified by ODM as Mg-ilmenite; triangle symbols are those grains identified by ODM as crustal ilmenite.