

Figure 6: Ca has a negative trend, but appears in high concentrations which is expected of a rock with a mantle source. The negative trend and the range of highest concentrations indicate that Ca can be considered a compatible major element. Ca bearing minerals include plagioclase and calcic olivine.

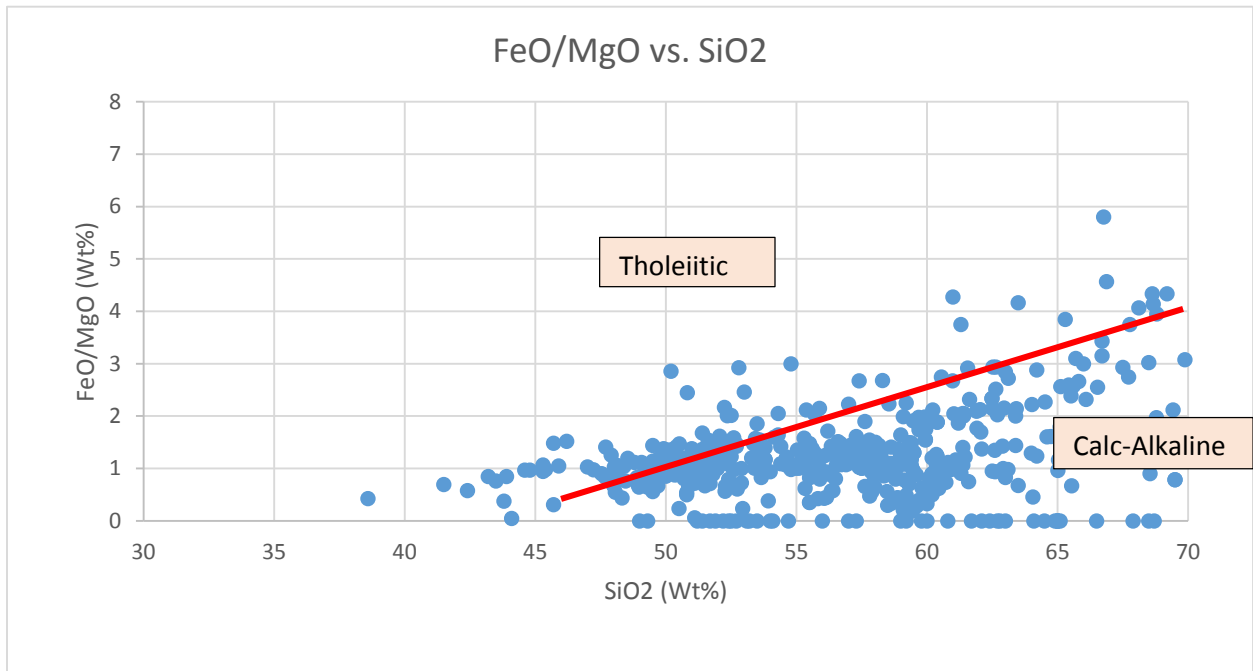


Figure 7: This plot is designed to discern whether the rocks were produced by more tholeiitic or calc-alkaline melts. The concentration of the data points below the red line indicates that the rocks were sourced by a predominantly calc-alkaline compositional series. This perfectly in line with the expectation that island arcs produce calc-alkaline melts, but can produce other compositional series, as well.