

## Appendix

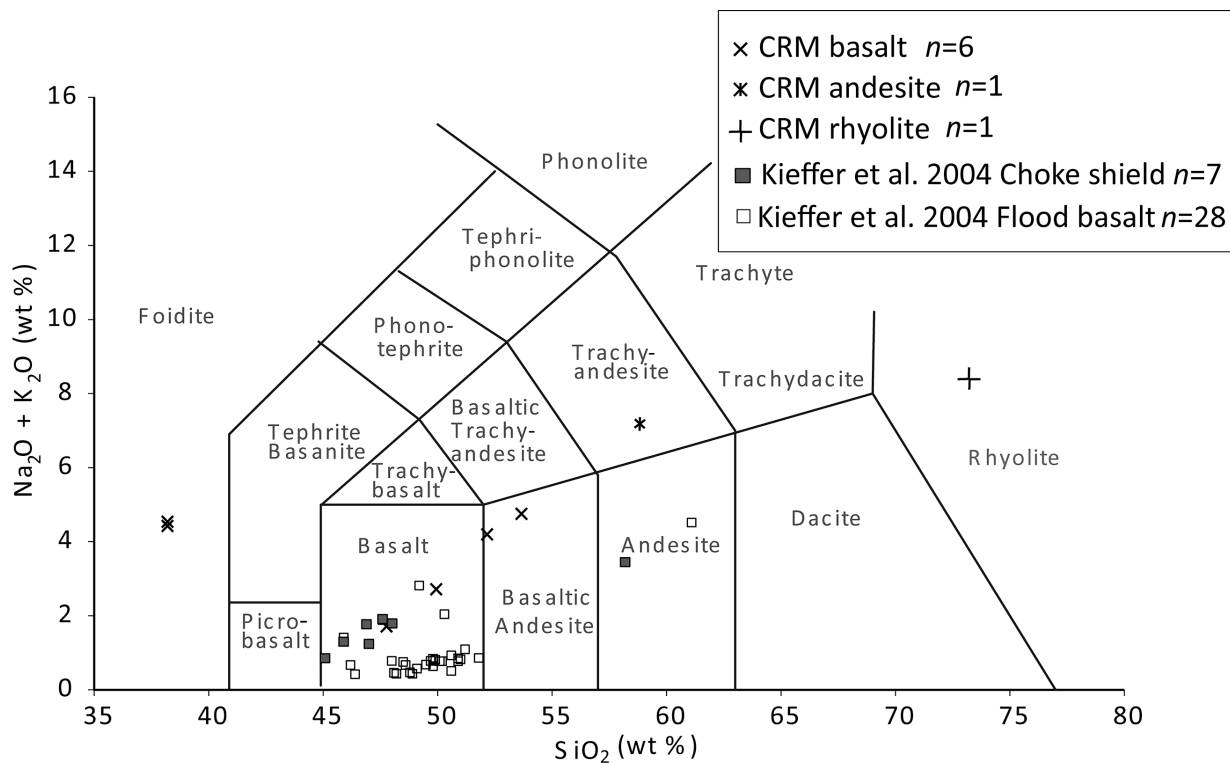


Figure A1. Total alkali vs. silica (TAS) classification diagram (Le Maitre et al. 1989) to display the chemical variability in the unweathered parent rock samples (Kieffer et al. 2004) underlying the soils analyzed in this study, and an array of igneous certified reference materials (CRMs).