

Figure 1. Normative quartz-alkali feldspar-plagioclase ternary diagram showing Aleutian arc samples. Plutonic rocks plotted using estimated modes from thin-section and normative data; volcanic rocks plotted based on chemistry. Andesite and basalt samples additionally classified on plot of normative color index versus silica. Letters identifying samples listed in table 2.

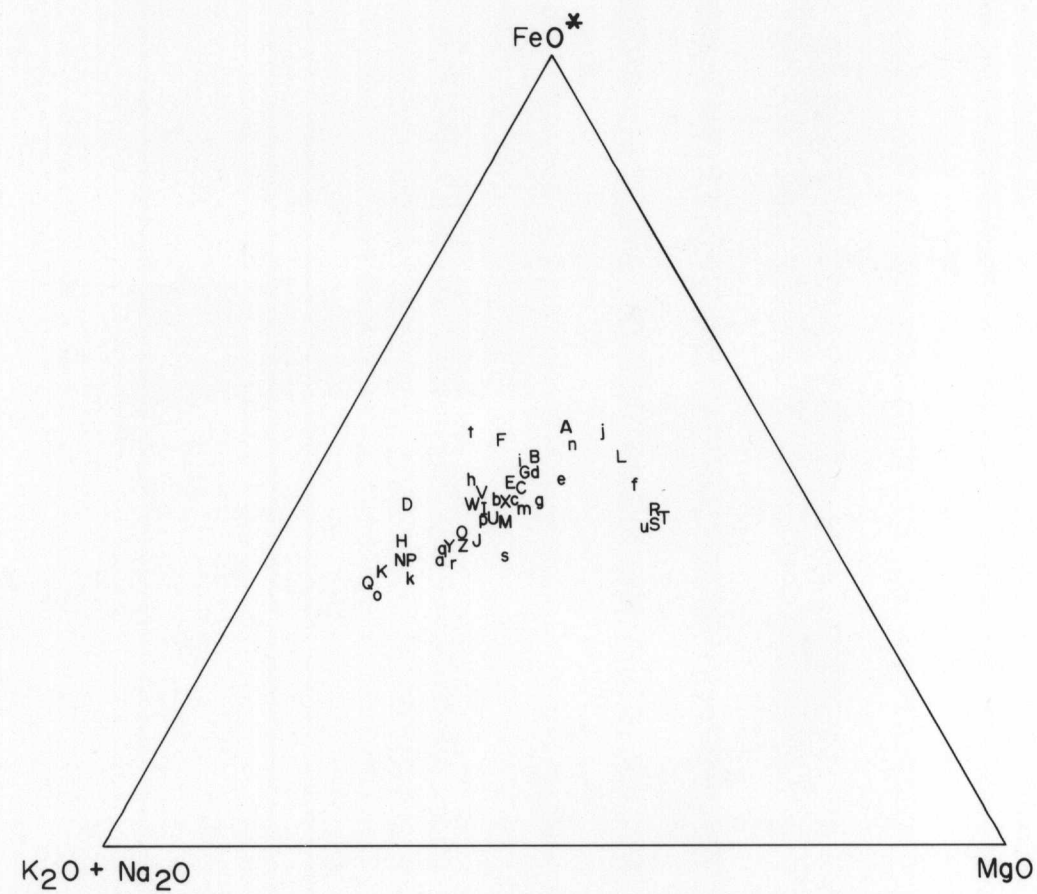


Figure 2. AFM diagram showing Aleutian arc samples. FeO* is all iron calculated as FeO. Analytical data and letters identifying the samples listed in table 2.

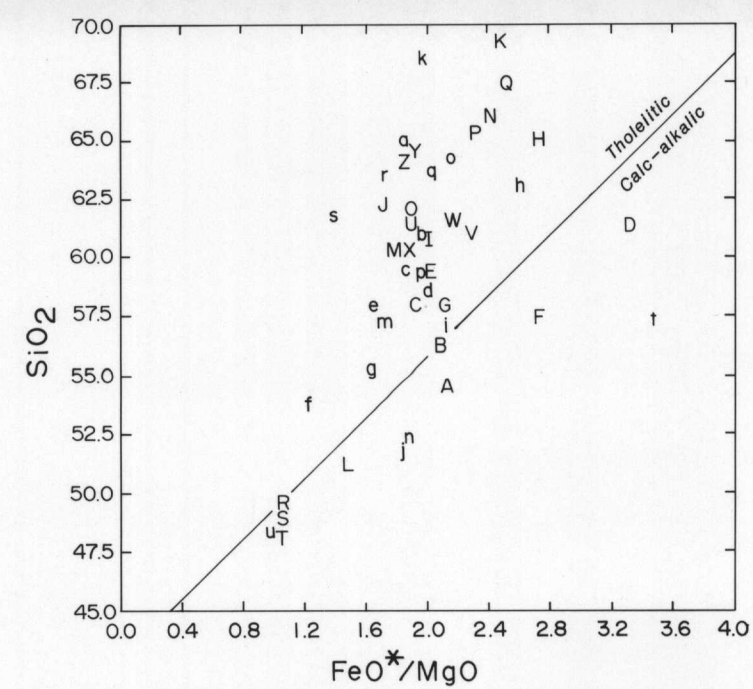


Figure 3. FeO*/MgO versus SiO₂ diagram showing Aleutian arc samples. FeO* is total iron content calculated as FeO. Boundary between tholeiitic and calc-alkaline fields (after Miyashiro, 1974) is shown. Analytical data and letters identifying samples listed in table 2.

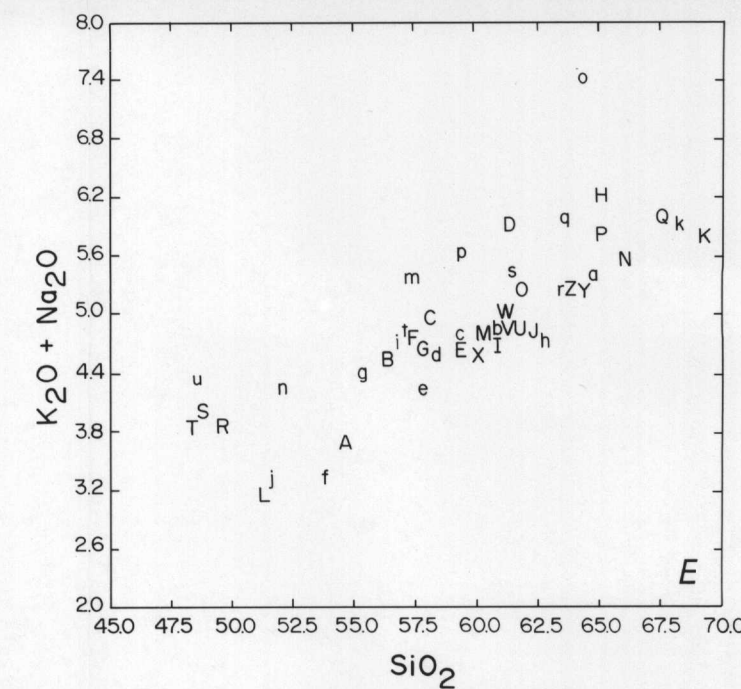
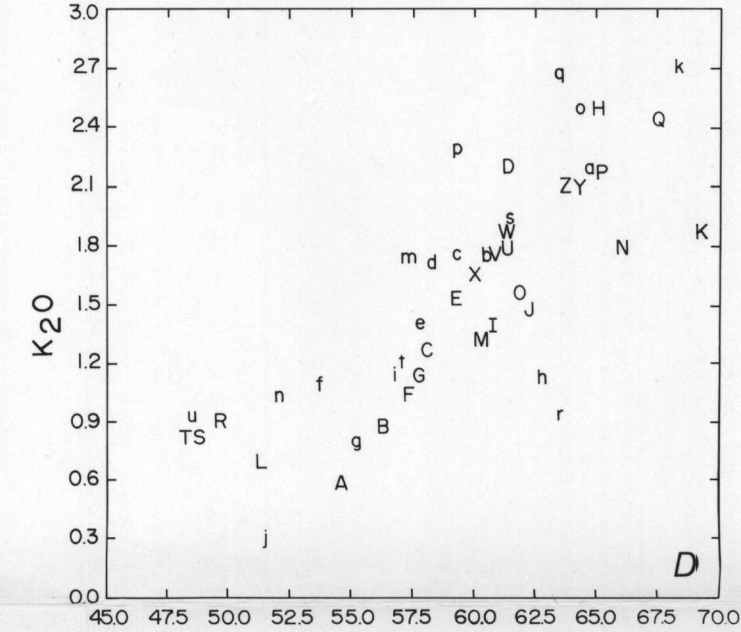
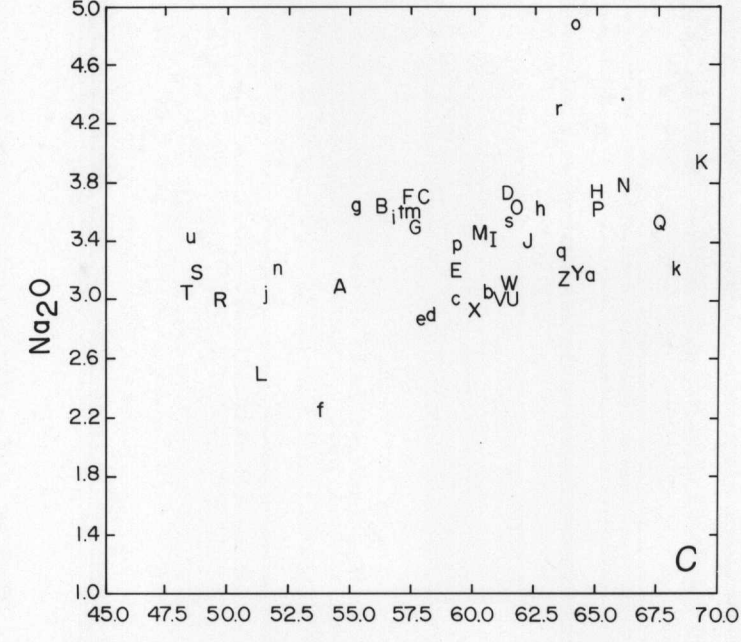
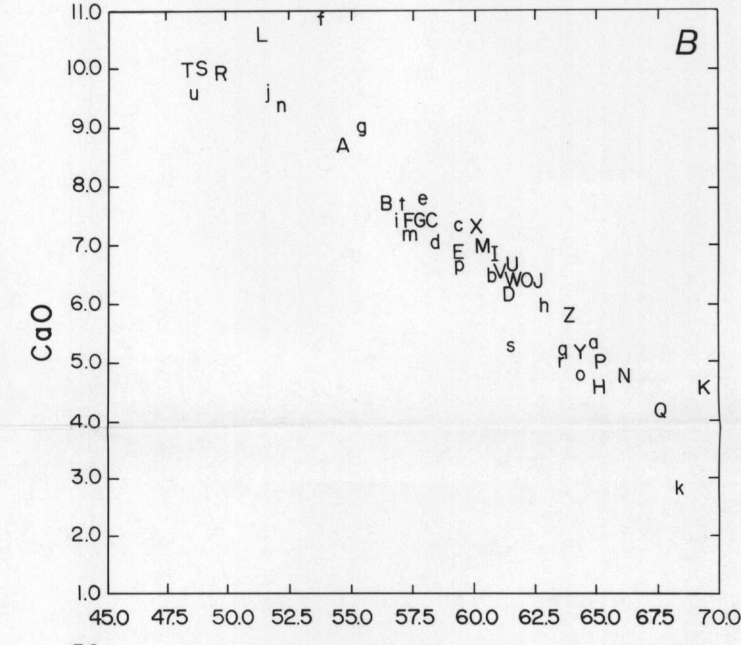
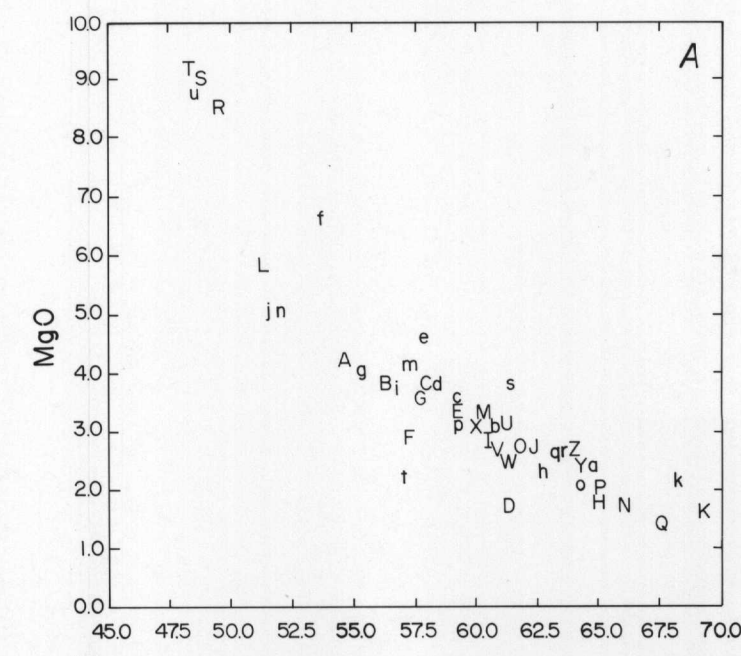


Figure 4. Variation diagrams (Harker type) showing relations (in weight percent) between different major oxides and SiO₂ for the Aleutian arc rock samples. A, MgO. B, CaO. C, Na₂O. D, K₂O. E, K₂O + Na₂O. Analytical data and letters identifying rock samples listed in table 2.

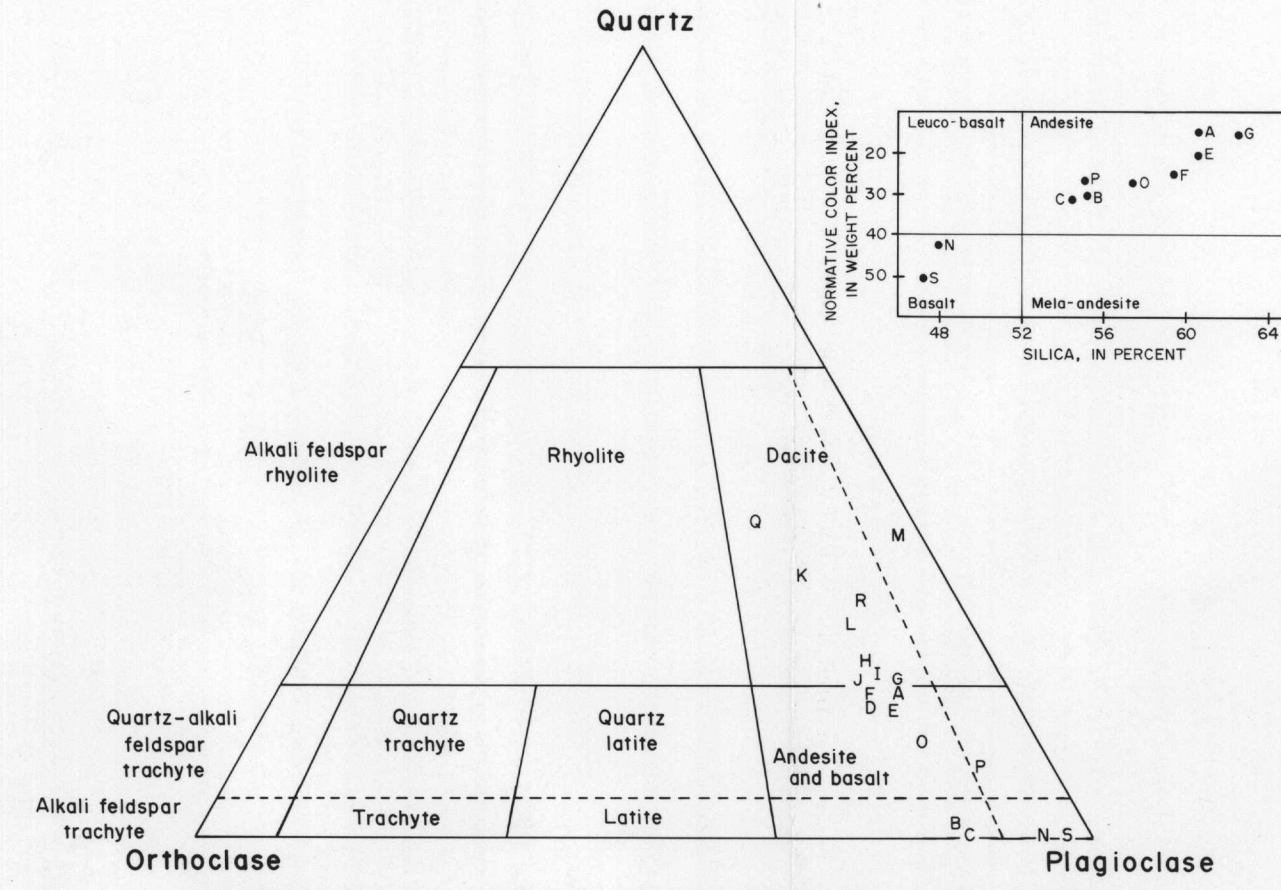


Figure 5. Normative quartz-alkali feldspar-plagioclase ternary diagram showing Meshik arc samples. Plutonic rocks plotted using estimated modes from thin-section and normative data; volcanic rocks plotted based on chemistry. Andesite and basalt samples additionally classified on plot of normative color index versus silica. Letters identifying samples listed in table 2.

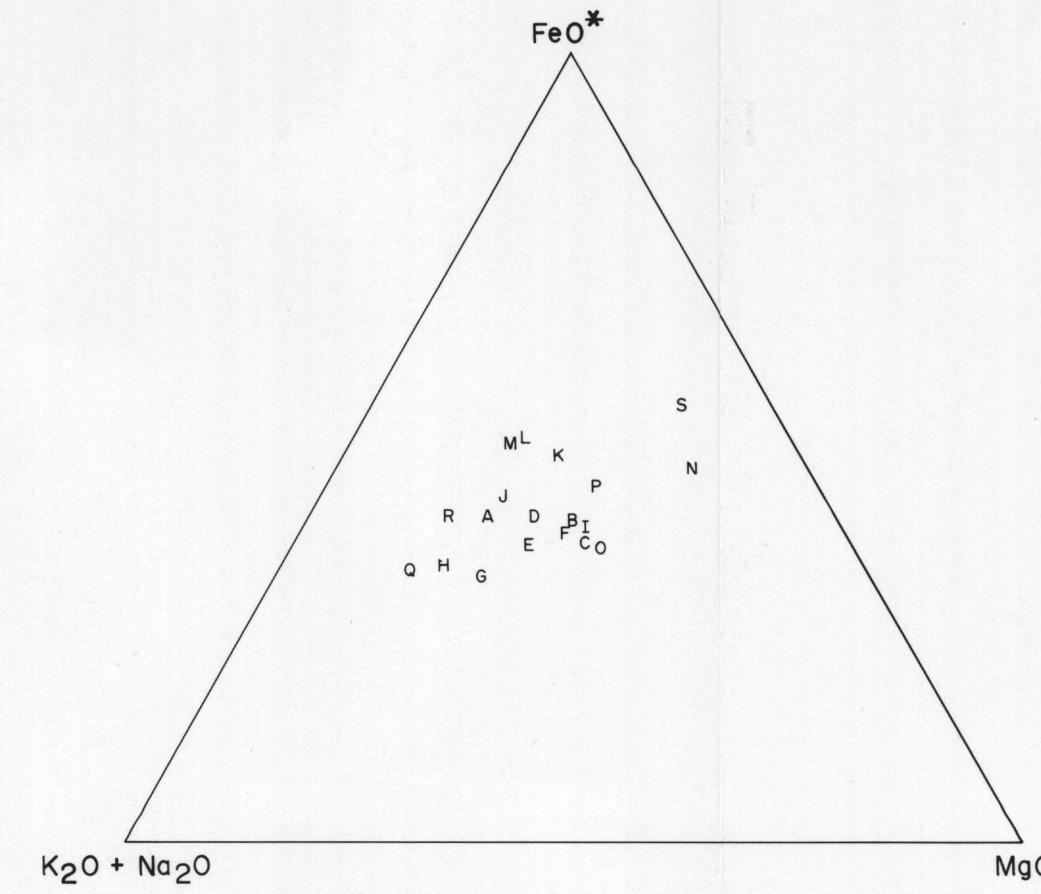


Figure 6. AFM diagram showing Meshik arc samples. FeO* is all iron calculated as FeO. Analytical data and letters identifying the samples listed in table 2.

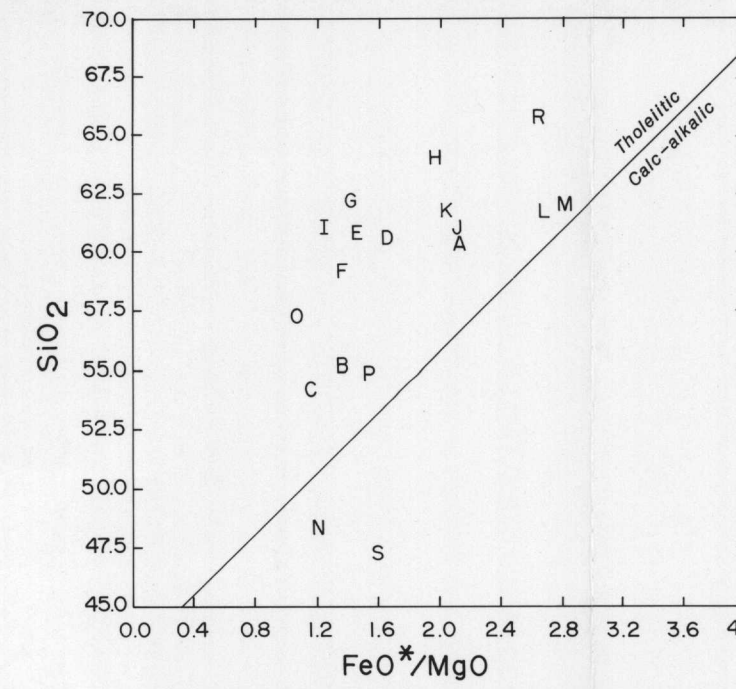


Figure 7. FeO*/MgO versus SiO₂ diagram showing Meshik arc samples. FeO* is total iron content calculated as FeO. Boundary between tholeiitic and calc-alkaline fields (after Miyashiro, 1974) is shown. Analytical data and letters identifying samples listed in table 2.

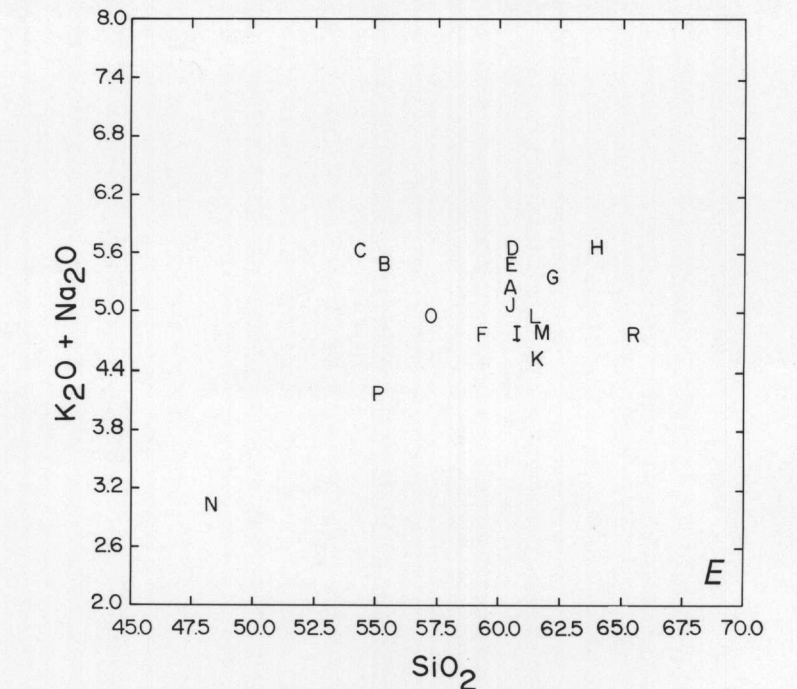
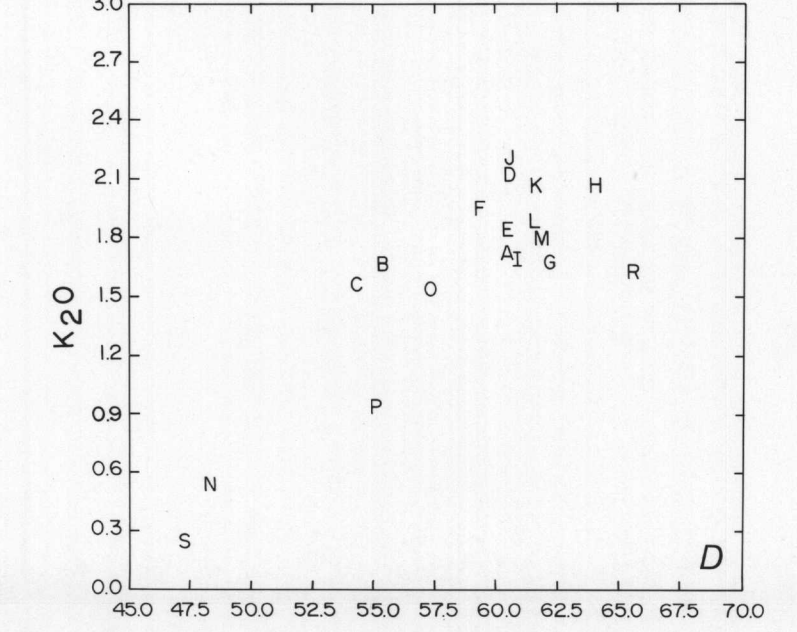
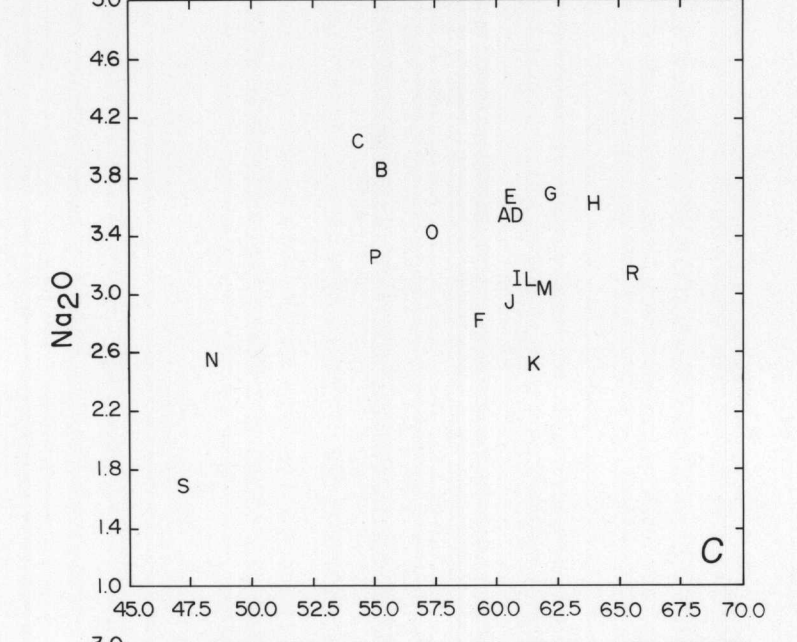
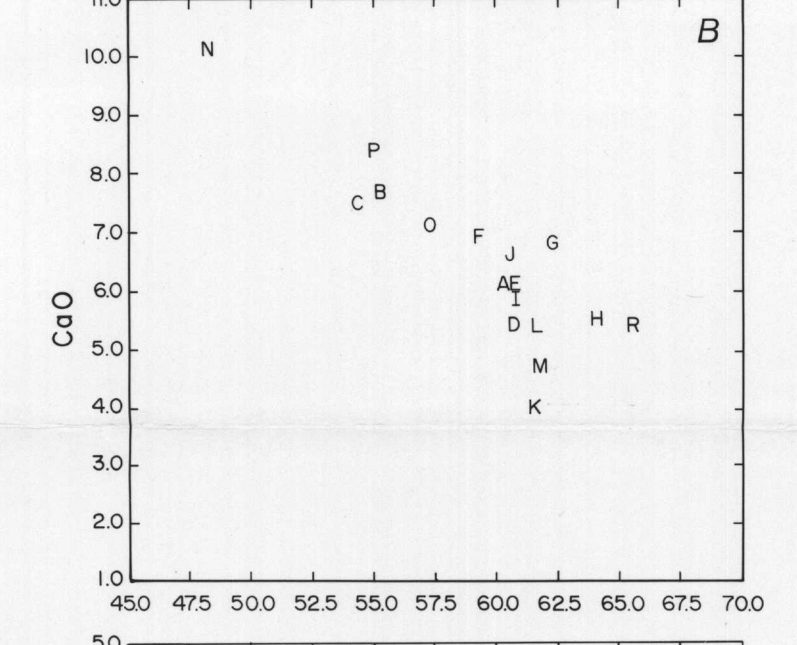
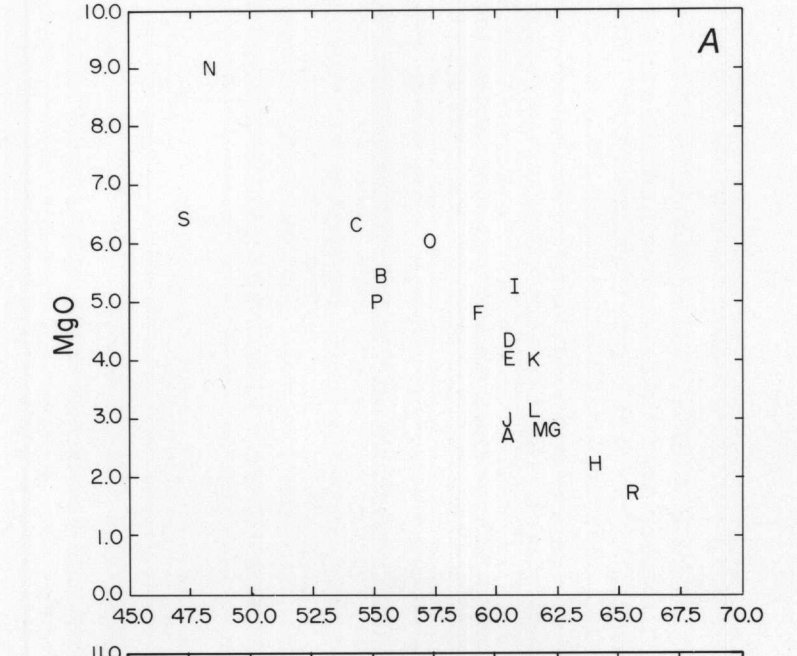


Figure 8. Variation diagrams (Harker type) showing relations (in weight percent) between different major oxides and SiO₂ for the Meshik arc rock samples. A, MgO. B, CaO. C, Na₂O. D, K₂O. E, K₂O + Na₂O. Analytical data and letters identifying rock samples listed in table 2.

VARIATION DIAGRAMS

MAP AND TABLES SHOWING GEOCHRONOLOGY AND WHOLE-ROCK GEOCHEMISTRY OF SELECTED SAMPLES, UGASHIK AND PART OF KARLUK QUADRANGLES, ALASKA

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