Porphyritic vs. K

Almost all samples are quartz yields T of 700–800 °C.

Minor and Trace Element Geochemistry

Several major and trace elements in the samples show continuous trends that suggest that all samples experienced a progressive, cumulative, and liquid line of descent fractionation process.

Minerals: olivine, pyroxene, and plagioclase.

Microthermometry and petrographic evidence suggest three stages of fractionation and mixing: stage 1 marked by the fractionation of 12% diopside, 11% wollastonite, and 3% amphibole, stage 2 marked by crystallization of plagioclase from batch magma, and stage 3 marked by the crystallization of quartz.

Samples are characterized by their high salic association of Pl and Ca.

The high salic association of Pl and Ca indicates equilibration T of ~850 °C and likely indicates equilibration T of ~850 °C.

The high salic association of Pl and Ca suggests the existence of a high salic association of Pl and Ca.

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