

THE UNIVERSITY OF BRITISH COLUMBIA

Wolf
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Mineral Deposit Research Unit (MDRU)
Department of Geological Sciences
6339 Stores Road
Vancouver, B.C. Canada V6T 1Z4
Tel: (604) 822-6136
Fax: (604) 822-6088

December 1, 1992

David Heberlein
Minnova Inc.
311 Water Str., 3rd Floor
Vancouver, B.C.
V6B 1B8



Dear Dave:

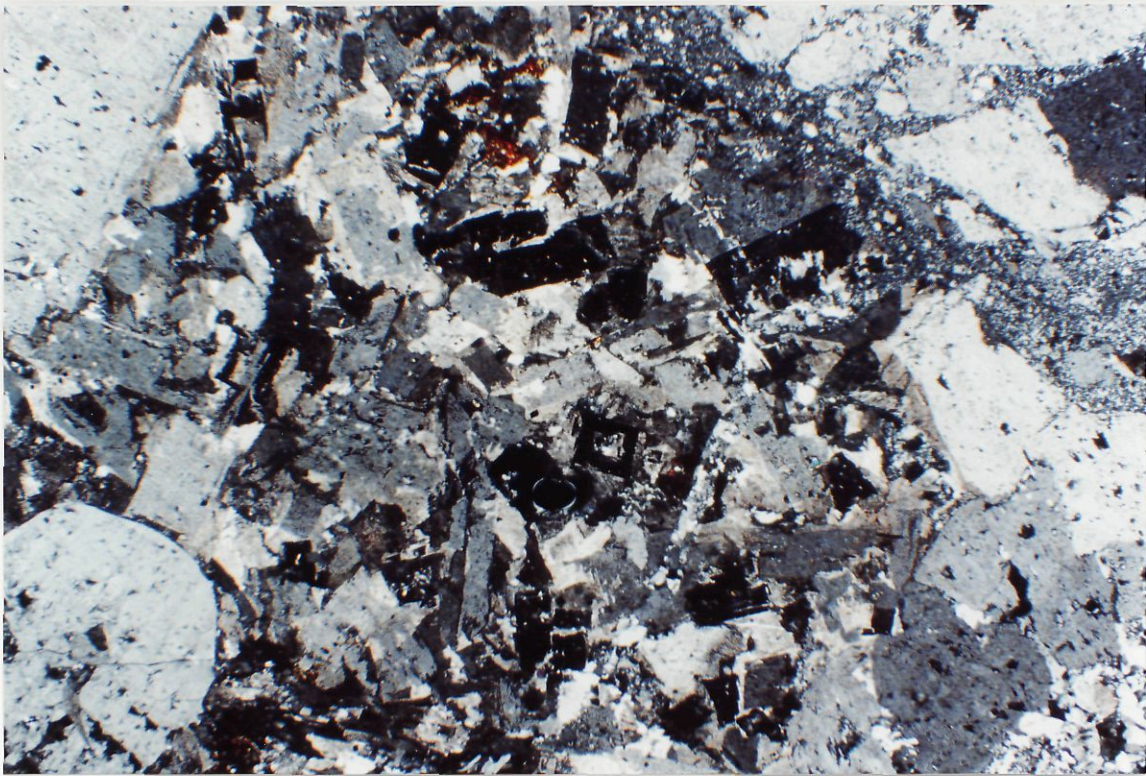
Enclosed are four microphotographs taken of rhyolite porphyry samples collected in 1985 as part of my MSc. thesis on the Wolf property. The microphotographs show that the matrix to unit mEo9- Rhyolite Porphyry (Andrew, 1988) is crystalline rather than glassy and generally equigranular. Sample KA175 comprises about 20-30% pyroclastic fragments? which are incorporated in the intrusive.

I hope these microphotographs help to resolve some current issues on the property.

Sincerely

Kathryn Dunne *nee Andrew*

Kathryn Dunne
Research Coordinator, MDRU



SAMPLE KA128

Plate 1:mEo9-Rhyolite Porphyry from the Pond Zone (UTM: 5897255N, 336600E).

Shows phenocrysts of orthoclase in crystalline equigranular feldspar-rich groundmass.

Crossed polars, Field of view = 5.3mm.

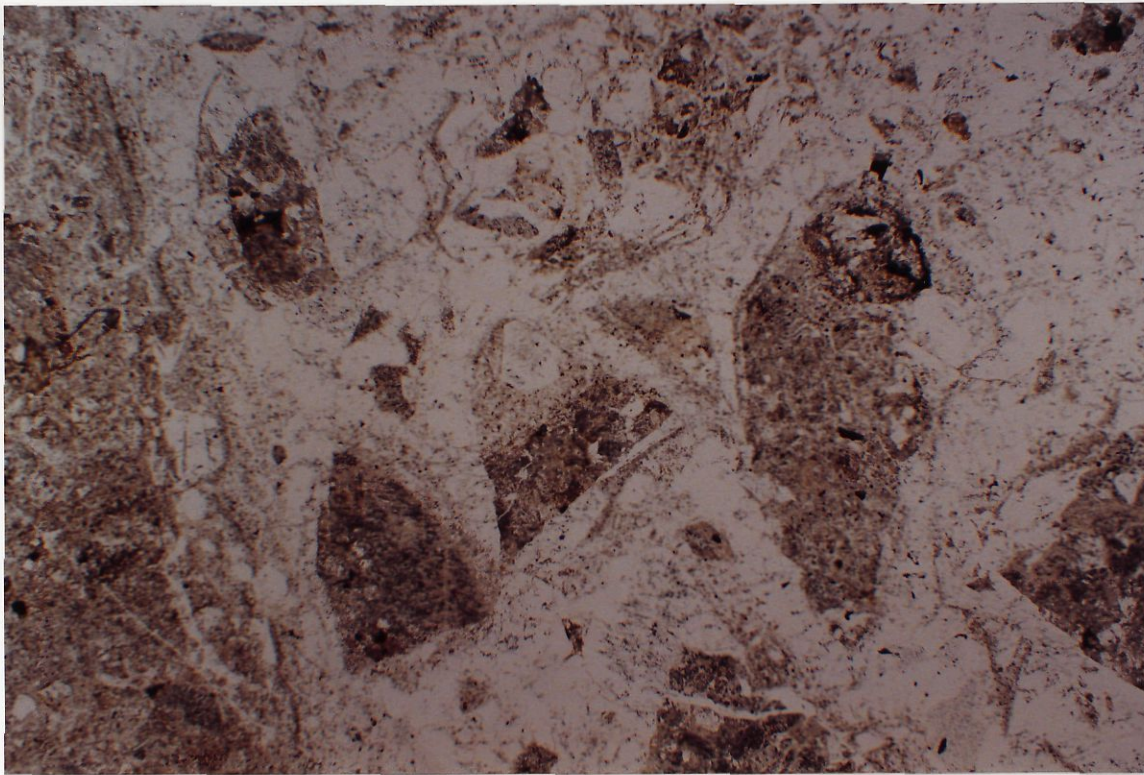


SAMPLE KA 180

Plate 2:mEo9-Rhyolite Porphyry from the East Ridge Zone (UTM: 5897400N, 339525E).

Phenocrysts of orthoclase and plagioclase (twinned, sometimes concentrically zoned) in medium-grained equigranular matrix of quartz and potassium feldspar.

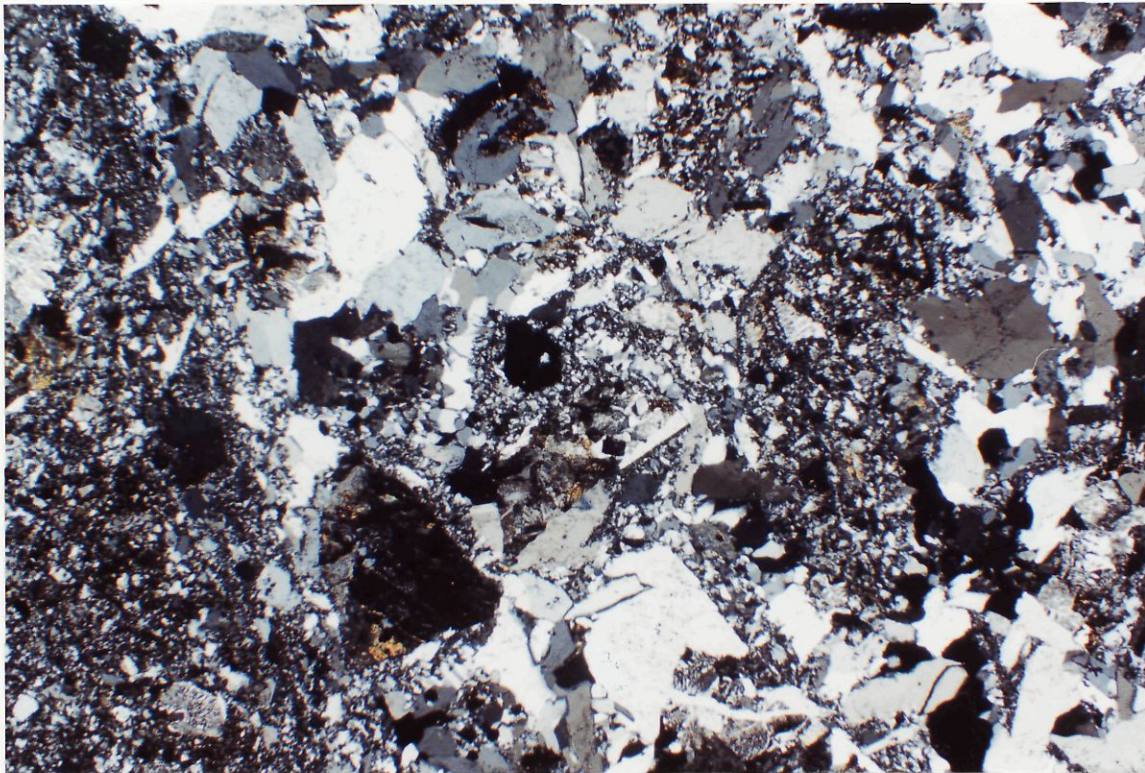
Crossed polars, Field of view = 5.3mm.



SAMPLE KA 175

Plate 3:mEo9-Rhyolite Porphyry from the East Ridge Zone (UTM: 5897500N, 339750E).

Lithic fragments (1 to 3 mm in diameter) are evident; these are broken and appear to be pyroclastic by nature of the range in grain size, sorting and angularity. The matrix is coarse-grained (see below). Plane polarised light, Field of view = 5.3mm.



SAMPLE KA 175

Plate 4:mEo9-Rhyolite Porphyry from the East Ridge Zone (UTM: 5897500N, 339750E).

Same view as above illustrating coarse-grained, equigranular quartz and orthoclase-rich matrix. Crossed polars, Field of view = 5.3mm.