



1 Este mapa forma parte de una Tesis Doctoral publicada en "Leidse Geologische Mededelingen" y se ha realizado de acuerdo con la Comisión Nacional de Geología
 2 Topografía tomada de la Cartografía de España Hojas 96 y 122 (Escala 1:25.000). 3 Primera edición autorizada por el Consejo Superior Geográfico en 28-2-1973

a: scapolite and epidote. Table with 6 columns (1-6) and rows for SiO2, TiO2, Al2O3, Fe2O3, FeO, MnO, MgO, CaO, Na2O, K2O, H2O+, H2O-, CO2, SO3, Cl, and Sum.

numbers of ions on the basis of 12 (Al, Si). Table with 6 columns and rows for Si, Al, Ti, Fe, Mg, Mn, Ca, Na, K, H, C, Cl, S, and %Me.

a: scapolites. 1: 129102, scapolite-salite granofels (including P2O5 = 0.23). 2: 129101, garnet-clinopyroxene-scapolite-epidote-amphibole gneiss (including P2O5 = 0.25). 3: garnet-hornblende-pyroxene-scapolite gneiss (including P2O5 = 0.03) (von Knorring & Kennedy, 1958). 4: partial analysis, garnet-clinopyroxene-plagioclase-scapolite granulite, R 165 (Lovering & White, 1964). 5: scapolite-calcite-amphibole-diopside rock, Q 85 (including Cl = 0.04) (Haughton, 1971). Me: meionite. epidote. 6: 129101, garnet-clinopyroxene-scapolite-epidote-amphibole gneiss. Ps: pistacite.

b: clinopyroxene and amphibole. Table with 7 columns (7-13) and rows for SiO2, TiO2, Al2O3, Fe2O3, FeO, MnO, MgO, CaO, Na2O, K2O, and Sum.

numbers of ions on the basis of 60 and 230. Table with 7 columns and rows for Si, Al, Ti, Fe3+, Fe2+, Mn, Mg, Ca, Na, and K.

b: clinopyroxenes. 7: 129102, scapolite-salite granofels. 8: 129101, garnet-clinopyroxene-scapolite-epidote-amphibole gneiss. 9: garnet-hornblende-pyroxene-scapolite gneiss (including H2O = 0.30) (von Knorring & Kennedy, 1958). 10: garnet-pyroxene-plagioclase-scapolite granulite R 130 (including Cr2O3 = 0.029 and P2O5 = 0.07) (Lovering & White, 1964). amphiboles. 11: magnesian hastingsite, 129102, scapolite-salite granofels. 12: ferroan pargasite, 129101, garnet-clinopyroxene-scapolite-epidote-amphibole gneiss. 13: hornblende, garnet-pyroxene-hornblende-scapolite gneiss (including H2O = 1.92 and Cl = 0.07) (von Knorring & Kennedy, 1958).

Enclosure III:

Chemical mineral analyses

The new chemical analyses presented in this enclosure are microprobe electron analyses, carried out at the Free University, Amsterdam. Oxyde wt% may include a maximum error of ± 2%.

Garnet and biotite from 129121 analyzed by Dr. C. Kieft, other minerals by the author

n.d.: not determinated

▲: total Fe calculated as Fe2+

▲: total Fe calculated as Fe3+

c: garnet. Table with 3 columns (14-16) and rows for SiO2, TiO2, Al2O3, Fe2O3, FeO, MnO, MgO, CaO, and Sum.

numbers of ions on the basis of 120. Table with 3 columns and rows for Si, Al, Ti, Fe3+, Fe2+, Mn, Mg, and Ca.

mol% end-members. Table with 3 columns and rows for Al, Sp, Py, Gr, and An.

c: garnets. 14: 129101, garnet-clinopyroxene-scapolite-epidote-amphibole gneiss. 15: garnet-hornblende-pyroxene-scapolite gneiss (von Knorring & Kennedy, 1958). 16: garnet-clinopyroxene-plagioclase-scapolite granulite R 130 (including Na2O = 0.08, K2O = 0.05 and P2O5 = 0.04) (Lovering & White, 1964).

d: biotite. Table with 4 columns (17-20) and rows for SiO2, TiO2, Al2O3, FeO, MnO, MgO, CaO, Na2O, K2O, and Sum.

numbers of ions on the basis of 220. Table with 4 columns and rows for Si, Al, Ti, Fe2+, Mn, Mg, Ca, Na, and K.

d: biotites. 17: 129121, 18: 129122, 19: 129123, 20: 129124. kyanite-garnet-biotite gneisses

e: garnet. Table with 4 columns (21-24) and rows for SiO2, TiO2, Al2O3, FeO, MnO, MgO, CaO, and Sum.

numbers of ions on the basis of 120. Table with 4 columns and rows for Si, Al, Ti, Fe2+, Mn, Mg, and Ca.

mol% end-members. Table with 4 columns and rows for Al, Sp, Py, and Gr.

e: garnets. 21: 129121, 22: 129122, 23: 129123, 24: 129124. kyanite-garnet-biotite gneisses

