

166

Rock Sample No. 875    Location: Mt. Lindsay Grid M.L.6, 730mN  
Chloritised Lithic-Crystal Tuff

Not unlike 814 but finer grained. Silt-sized to fine sand-sized altered lava and crystal fragments in a chloritic matrix with fine grained magnetite which is partly altered to hematite. The rock is weakly layered (bedding) with evidence of incipient shearing. As is common in these rocks detrital mica flakes, chert fragments and rare detrital heavy mineral grains are present.

Rock Sample No. 958    Location: Mt. Lindsay Grid M.L.8, 1100mN  
Tremolitised Lithic-Vitric-Crystal Tuff.

Extensively altered to fine grained tremolite-actinolite but with recognisable lava fragments, feldspar (surprisingly fresh andesine-oligoclase) quartz grains and siliceous microshards. Distinctly less non-pyroclastic material than usual - there are, however, occasional chert fragments and detrital tourmaline grains. Clastics are silt-fine sand sized.

The rock is bedded with incipient grading in places.  
 ? Ilmenite flakes are abundant throughout and traces of ? pyrrhotite are present.

Rock Sample No. 961    Location: Mt. Lindsay Grid M.L.8, 1900mN  
Actinolitised Lithic-Vitric--Crystal Tuff.

Rather similar to 958 but finer grained and more thoroughly metasomatically altered. Consists almost entirely of fine green pleochroic actinolite but retains relict textural features although the lithic fragments are not clearly defined. Siliceous shards on the other hand are common.

In addition to actinolite exhibits incipient development of poikilitic diopside grains, this phase also occurs in crude discontinuous veinlets.

Rock Sample No. 962    Location: Mt. Lindsay Grid M.L.8, 2000mN  
Altered Lithic-Vitric--Crystal Tuff.

A bedded tuff with marked variations in grain size between the various layers. Finer layers not unlike 958 and 961. The rock is of peculiar composition - it appears to have degraded initially to indeterminate argillaceous material (sim.957) but shows variable development of diopside and ? prehnite particularly in the lithic fragments and relict feldspar grains.

Abundant fine grained disseminated pyrrhotite.