

Sample 9100': TS C8393:

**Location:**

Tarook-1.

**Rock Name:**

Quartz sandstone.

**Hand Specimen:**

A fawn-grey, medium grained sandstone revealing isolated grains of white mica, 1-2 mm in diameter. Bedding is not well defined but diffuse darker bands presumed to represent bedding are present.

**Thin Section:**

An optical estimate of the constituents gives the following:

	<u>%</u>
Quartz	85-90
Muscovite	Trace-1
Brown lithic fragments	Trace
Chlorite	Trace
Opagues	Trace-1
Tourmaline	Trace
Titanium mineral	Trace
Clay	10-15
Rutile	Trace
Feldspar	1-2

The rock is an impure recrystallised sandstone with a rather porous pseudo-hornfelsic texture.

Quartz occurs in sub-equant irregular to polygonal grains, 0.09-0.25 mm in diameter. Where grains are in contact, triple point junctions are common. The grains are quite angular and, in detail, grain margins are irregular. In a few grains the shape of the original detrital quartz is marked by ovoid trains of opaques - these grains with visible overgrowths are rare. Several quartz crystals contain needle-like inclusions.

