

Sample: 9488' : TS C7867

Rock Name:

Argillaceous sandstone

Thin Section:

An optical estimate of the constituents gives the following:

	<u>%</u>
Quartz	70-75
Argillaceous lithic material	7
Feldspar	1- 2
Chlorite	Rare
Mica	1- 2
Opagues and semi-opaques	3
?Chert fragments	Trace
Kaolinite/dickite	Trace-1
Zircon	Rare
Tourmaline	Rare
Voids	10-15

The petrographic features of this rock are similar in many respects to those of the sample from 9442'. Both have similar detrital material extremely deformed by physical compaction. The mean grain size is a little higher in this sample than in 9442', being about 0.15 mm.

Sutured grain boundaries are present in neither sample but in 9488 (this rock) solution of silica has occurred in irregular localised planes, giving rise to stylolites. These are filled with limonitic material forming irregular sub-parallel structures up to 0.2 mm wide.

Both samples contain equally large proportions of pore space.