

## Examination of specimens from a bore near Sea Elephant

*by G. B. Everard*

Specimens from a bore near Sea Elephant have been examined and found to be as follows:

1. A sheared grey mudstone of Cambrian age or earlier.
2. Medium-grained biotite granite.
3. Fine sand consisting of rounded grains to angular crystals of ilmenite and zircon, with a little rutile and possible traces of monazite and cassiterite.
4. Fine sand lightly cemented with iron oxides. This is otherwise very similar to No. 3 except that the grains are somewhat coarser.
5. Black soil. When the black organic matter is burnt off this material is a grey sand consisting of quartz and rock fragments mixed with a lesser amount of the fine ilmenite-zircon sand found in No. 3 and 4.
6. Impure grey clay containing angular to semi-rounded grains of quartz up to 0.3 mm. There are also minor grains of tourmaline, zircon, ilmenite etc.; the material seems to be a mixture of all the preceding samples.

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