

PRELIMINARY PALAEOBIOLOGICAL REPORT

by

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Core 6 (3708 feet) from Duck Bay No. 1 was submitted by Arco Limited for study and determination of its age.

Dr. G.R.J. Terpetra examined part of the core for Foraminifera but found none.

Another piece was treated for extraction of spores and pollens. It contained relatively abundant Nuskoisporites triangularis together with Sinkgeocycadophytus sp., rare striate pollen and the spores Leiotriletes directus and Verrucosisporites c.f. pseudoreticulatus. The assemblage is of Permian age; probably lower Permian in view of the abundance of Nuskoisporites triangularis. In contrast to many of the lower Permian rocks of the Murray Basin, no algae or Acritarchs were observed in this sample. The absence of marine organisms suggests that Core 6 is of non-marine origin.

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