

N. vansteenisii-deminutusN. goniatusN. brachyspinulosusMyrtaceidites spp. incl. M. mesonesus and M. parvusPeriporopollenites polyoratusProteacidites cf. P. annularis

(larger than type)

? Monulcipollenites sp.Gothanipollis sp.Araucariacites australis

Bisaccate pollen undiff.

rare

Cupaneidites reticularisCyathidites australisB. 1809 feet. Lower Eocene

521m

The age of this sample is based on the presence of Wetzelia "coleothrypta". Downie & Williams identified by Wilson (1967) from the Lower Eocene of New Zealand. The species has not been recorded previously from Australian sediments. There is some doubt whether the Australian and New Zealand forms are in fact conspecific with the type W. coleothrypta from the Eocene of England, but there is little doubt that the Australian forms match those from New Zealand described by Wilson. The pollen assemblage from the same sample also generally supports a Lower Eocene age in that it appears to be somewhat younger than the Uppermost Paleocene Princetown Member of the Dilwyn Clay in western Victoria. Fossils recognized include:

Camarozonosporites sp.Cyathidites splendensDictyophyllidites concavusVerrucosisporites kopukuensisClassopollis sp.Parasaccites sp.Stereisporites antiquasporitesLaevigatosporites ovatusAnacalosisporites sp.Cupaneidites reticularisDacrydiumites mawsoniiDacrydiumites floriniiDilwynites granulatusMalvacipollis diversusMyrtaceidites parvusMyrt. tenuisNothofagidites spp. - N. emarcidus-heterus type

(not common)

Proteacidites annularis