

and suggests that the in situ assemblage has been carbonised, and that the observed specimens are from mud contamination into the sidewall core.

H. 1464m (cutts) : probably middle M. diversus Zone

The presumed in situ assemblage includes Beaupreadites verrucosus, Proteacidites ornatus and Tripoporopollenites ambiguus which would indicate assignment to the middle Malvacipollis diversus Zone, or younger zones. Younger indicators were seen (Kuylisporites waterbolkii, Peripoporopollenites vesicus, Proteacidites asperopolus and P. pachypolus) but all have yellow to light brown spore colours and are considered to have been caved from the N. asperus Zone above. However, the entire assemblage may be caved into palynologically barren strata.

No presumed in situ dinoflagellates were seen. Those seen include Alisocysta ornata (restricted to the middle N. asperus Zone above) and are considered caved.

Environments are probably non-marine, as none of the observed dinoflagellates is considered to be in situ.

Spore colours show two distinct populations. Mid brown colours are considered in situ and indicate maturity for oil and onset of maturity for gas/condensate. Yellow to light brown spore colours are considered caved and are ignored.

I. 1466m (swc) : indeterminate

This sidewall core is totally barren of recognisable palynomorphs although a few carbonised outlines and a very few fully mature (very dark brown/black) fragments were seen. The assemblage is