Assignment to the upper Malvacipollis diversus Zone is indicated at the top by the absence of younger indicators above, and at the base by the oldest occurrences of Proteacidites pachypolus, Santalumidites cainozoicus and Proteacidites obesolabrus.

The only age diagnostic dinoflagellate was Deflandrea phosphoritica, which must be caved, as it flatly contradicts the spore-pollen data.

Environments are probably non-marine, as the few dinoflagellates seen are considered caved. If the interval was marine, the distinctive dinoflagellate Homotriblium tasmaniense would be expected, as it is usually common at this level.

Spore colours of light brown indicate marginal maturity for oil but immaturity for gas/condensate.

G. 1740m (cutts) : middle M. diversus Zone

Assignment to the middle Malvacipollis diversus Zone is indicated by the absence of younger indicators, and the oldest occurrences of Anacolosidites luteoides, Proteacidites ornatus and Triporopollenites ambiguus.

Non-marine environments are indicated by the absence of dinoflagellates from a spore-pollen and cuticle dominated assemblage.

Spore colour of light brown indicates marginal maturity for oil and immaturity for gas/condensate.

H. 1806-1830m (cutts) : lower M. diversus