

1. 2365 - 2780 m. *M. diversus* Zone, Early Eocene.

*Nothofagidites endurus* and *Latrobosporites crassus* whose ranges terminate within the *M. diversus* Zone are present in the assemblages of this interval. *Intratropipollenites notabilis*, *Proteacidites leightonii*, *P. grandis* and several other species whose ranges begin in the *M. diversus* Zone are present also.

*N. falcatus* and *N. vansteenisii* whose ranges begin at the base of the Lower *N. asperus* Zone are present also, but they probably result from cavings or carry down.

There is no evidence whatever of the older *L. balmii* Zone in the basal sample of Squid.

2. 2090 - 2320 m. Interminate.

The assemblages of this interval have an extremely low pollen content and only long ranging species are present. It is impossible to place them in any zone.

3. 2020 - 2050 m. *P. asperopolus* Zone, Mid Eocene.

*P. grandis* whose range terminates at the top of the *P. asperopolus* Zone is found here. *P. asperopolus* occurs here also, and is unusually abundant, but its range extends into the Lower *N. asperus* Zone.

*Nothofagidites* spp. are common here, including *N. vansteenisii* and this feature is a characteristic of the Lower *N. asperus* Zone. However, the *Nothofagidites* spp. could be the result of cavings or carry down.

4. 1975 - 2020. Lower *N. asperus* Zone, Mid Eocene.

This assemblage lacks *P. grandis* but is otherwise very similar to that of 2020 - 2050 m. Both *P. asperopolus* and *P. leightonii* are unusually abundant here and in 2020 - 2050 m. The whole of the assemblage is consistent with the Lower *N. asperus* Zone.

Given the similarity of the assemblages at 2020 - 2050 m. and 1975 - 2020 m., there is an alternative interpretation, viz they are the same zone, both contaminated with cavings or carry down from higher up but