

7.4.4 Sediment Age

Porosity-permeability data were available from the following palynological zones:

middle *N. asperus*
lower *N. asperus*
P. asperopolus
upper *M. diversus*
middle *M. diversus*
lower *M. diversus*
upper *L. balmei*
lower *L. balmei*

Observations based on porosity permeability cross plots for each of these zones (Appendix 3) are as follows:

Middle *N. asperus*

There is only a limited data set available for this zone, derived from three wells; Toolka 1, Cormorant 1 and Bass 3, however a very good straight line fit to the data is shown.

Lower *N. asperus*

Again only a small amount of data is available for this zone, however there is a large amount of scatter in the data indicating that another factor is controlling the relationship between porosity and permeability.

P. asperopolus

The *P. asperopolus* zone is also poorly sampled although the limited data gives a relatively good fit with a similar gradient to that obtained for the middle *N. asperus* zone.