



The occurrence of the inversion appears to be associated with the existence of Latrobe Complex sediments.

### 3. Map Identification

#### a. Horizon A

Horizon A ties to a velocity interface within the Miocene at the Marlin No. 1 well. The continuity of specific legs of the Miocene reflections are poor, however general reflection bands are of fair quality. Contours on Horizon A are considered a reliable definition of structural conditions within the Miocene.

#### b. Horizon B

Horizon B ties to the erosional unconformity at the top of the Latrobe Valley (Eocene) formation at the Marlin No. 1 well. Southeastward through the East Gippsland Basin Area, the rocks immediately below Horizon B vary in age from Eocene to Paleocene to Upper Cretaceous. The combined sequences of these periods is referred to as the "Latrobe Complex". Horizon B is identified as the top of the Latrobe Complex.

#### c. Horizon C

Horizon C is a basement interpretation based on reflection data that varies widely in reliability. Within PEP63B Horizon C reliably indicates the depth to and general configuration of economic basement.

Within PEP63A and T/1P, Horizon C has been picked along non continuous events that have been interpreted as being the deepest valid reflections recorded. Horizon C reliability in these areas is poor to very poor.