

approximately 8,000 feet per second and structure on them was not related to water depth. Further, the stronger event (approximately 1.5 seconds SP310 line NEF 11) was also the event which coincided with the high velocity refractor mapped in the Preliminary Refraction interpretation above. This event was therefore selected as Horizon C the Basement reflection.

Two other events were chosen for mapping and these were events previously mapped in the area. The shallower, Horizon A is an event from within the Miocene and ties to a Miocene velocity interface at Marlin No. 1. The other, Horizon B, is the erosional unconformity at the top of the Latrobe Complex (Eocene) (Plate 2).

The final stacked sections were of fair to good quality and in general superior to those of the previous East Gippsland Basin Area survey in the part below Horizon B. Horizon A was of fair to poor quality and some minor modifications of the previous interpretation were necessary. Horizon B was of fair to good quality and could be reliably mapped over the whole area. However, in the case of this horizon it was felt that the strong peak was more consistent than its preceding trough and the peak was the event time. Over most of the area Horizon C was of fair to poor quality on the NEF sections and poor to very poor on sections from previous surveys. The exception to this was the northern part