

3.3 Prospectivity

The objective of the 1994 Rocky Cape Seismic Survey in T/25P was to evaluate the most prospective leads identified and described in the July 1994 Permit Assessment Report, highgrading them to prospect status. The reprocessing project also allowed leads not specifically targeted by the acquisition to be upgraded. Subsequently the most robust structures in the areas examined are: Eddystone, Grindstone, Tourville, Actaeon and Warrego Prospects. Large, strong leads are Veridian and Nangkero South. Potential Oil and Gas Reserves were recently calculated using a probalistic method (Table 3.1 and 3.2) and are the subject of a separate report by RJ Suttill (T/25P - Probalistic Potential Reserve Calculations and Prospect Ranking, internal BERL report dated October 1995). One risk with the probalistic approach is that the risk weighing due to limitations in knowledge at that time is not separately considered in the final presentation. Many of the risks which handicap potential volumes can be reduced by simply doing more work.

Given limitations in the amount of knowledge accessible for prospects in a "Greenfields" area we should probably be comparing their volumes close to the P10 percentile. In this instance the potential for significant commercial discoveries in T/25P is obvious from the tabulated volumes. Mapping in T/25P shows that there is scope for further commercial sized leads and prospects to be added to the inventory if the seismic coverage within the permit is significantly upgraded.

The geographic distribution of prospects and leads based upon the Palaeocene Time Structure map is presented in Figure 3.26.