

Shearwater Lead T-15-P

The Shearwater lead is located in the southeastern most corner of the Bass Basin. It is best illustrated, in a dip direction, by Weaver's line WB-82-36. Enclosure 9. Strong southwest dipping reflectors terminate up-dip, without rollover against a major down-to-the northeast normal fault. Southeast, or counter regional, dip is indicated on several strike lines. Very significant regional convergence towards the northeast, or, out of the basin, is well illustrated.

Seismic time structure maps have been constructed for the general prospect area at the following key horizon levels. The map scale is 1:100,000. The contour interval is shown on each map. The deep map is at the mid-Cretaceous Unconformity horizon level, Enclosure Map 6. Southwest and southeast dip are indicated. The shallow map is at the intra-Upper Cretaceous Unconformity horizon level. Enclosure Map 4. Only southwest dip is recognized.

The Lower Cretaceous section is considered to have limited hydrocarbon potential in this part of the Bass Basin. This is based on the results of the Durroon #1 well which is located on strike and down dip, or basinward, to the northwest. In addition, two wells have been drilled onshore Tasmania, also indicate limited reservoir and source rock potential for this section. Additional acquisition of seismic data is not planned for this lead at this time.