

hypothetical Lower Cretaceous Strzelecki rift-basin shales.

Two areas representing common occurrence of both mapped parameters are (1) the proximal pro-deltaic Campanian depocenter in the vicinity of the Basker-1 and Manta-1 discoveries; and (2) a narrow trilobate belt of Campanian proximal pro-deltaic/delta-front sediments in the vicinity of Kingfish Field and Selene-1.

#### Upper Latrobe Group - Structural Plays

This map represents five parameters: Structure of Base Latrobe Delta-Front Facies; Latrobe delta-front facies sand percentage greater than 70; Latrobe T.O.C. minus R.O.C. greater than 1%; Latrobe delta-front facies T.O.C. minus R.O.C. greater than 1%; and Base Latrobe Delta-front Facies below thermal maturity.

Three relatively small areas represent common occurrence of all five parameters, while two relatively large, possibly untested areas represent common occurrence of all parameters except "Latrobe T.O.C. minus R.O.C. greater than 1%". Two additional areas represent common occurrence of structural highs, high sand percentage, and thermal maturity.

#### Top Latrobe Unconformity - Structural Plays

This map depicts six potentially significant parameters: (1) Structural highs of Top Latrobe Unconformity; (2) Absence of Gurnard sandstones; (3) Subcrop of Latrobe delta-front facies to Top Latrobe Unconformity; (4) Latrobe T.O.C. minus R.O.C. greater than 1%; (5) Latrobe delta-front facies T.O.C. minus R.O.C. greater than 1%; and (6) Distribution of hypothetical Strzelecki rift-basin shales.

The first five of the above parameters display common occurrence over broad areas in the northwest portion of the offshore basin. Other relatively large areas represent common occurrence of four or fewer of the first five parameters. The latter areas include the major productive oil fields of the offshore basin, where the favorable parameters include only structural highs