

and Strzelecki shales (hypothetical) in some cases, and all parameters except "T.O.C. minus R.O.C. greater than 1%" (Latrobe and Latrobe delta-front facies) in others (Kingfish and West Kingfish).

Top Latrobe Unconformity - Stratigraphic Plays

This map represents four favorable parameters: (1) Relatively thin areas of the Top Latrobe to Base Latrobe delta-front facies interval (independent of structure); (2) Absence of Gurnard sandstone; (3) Latrobe delta-front facies T.O.C. minus R.O.C. greater than 1%; and (4) Base Latrobe delta-front facies below thermal maturity.

Three relatively small, untested areas in the northwestern portion of the offshore basin represent common occurrence of all four of the above parameters; larger and more central areas include the first three parameters.

Gurnard Formation - Structural Plays

The map shows four favorable parameters: (1) Structural highs, Top Latrobe Unconformity; (2) Gurnard sandstone greater than 15 m. thick; (3) Latrobe T.O.C. minus R.O.C. greater than 1%; and (4) Subcrop of Latrobe delta-front facies to Top Latrobe Unconformity.

Several areas along the northeast-trending locus of Gurnard sandstone represent common occurrence of the first two, plus one of the latter two, of the above parameters. Smaller areas in the central and northeastern portions of the offshore basin represent common occurrence of only the first two parameters.

Gurnard Formation - Stratigraphic Plays

This map includes four parameters: (1) Structural highs, Top Latrobe Unconformity; (2) Zone of pinchout of Gurnard sandstone (15 m thick to absent); (3) Latrobe T.O.C. minus R.O.C. greater than 1%; and (4) Subcrop of Latrobe delta-front facies to Top Latrobe Unconformity. Several relatively narrow areas along the flanks of the regional Gurnard sandstone trend