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and grabens) of the synrift system. Here, large linear synrift sand bodies may trend along the axis of grabens. Elsewhere, sheets of younger sandstone may drape over horsts, and form broad compaction folds. The Inversion Fairway in the zone of compressional tectonism can contain all of the elements of the Extensional Block Fault Fairway; many are reactivated and normal faults become thrusts. In addition, there is a large variety of other fault related features. Thrusts in the allochthon can include ramp anticlines, accommodation folds and faults, and late-stage normal faults.

Diagenesis remains an important consideration for trap formation and preservation. Rocks that show little evidence for burial and tectonic deformation can retain significant porosity. As burial and deformation increase, grains fuse, minerals become altered, and fluids generate cements.

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### Review of hydrocarbon traps in clastic Cambrian strata, western Newfoundland

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ELLIOTT BURDEN AND TOM CALON

*Department of Earth Sciences, Memorial University of Newfoundland, St. John's, NL A1B 3X5.*

During the last round of hydrocarbon exploration and drilling by major oil companies operating in western Newfoundland, it became abundantly clear that Cambrian clastic strata can present excellent targets. As a result, and for much of the last 10 years, there has been a significant effort to come to a better understanding of the geology of these rocks. In order of appearance, the key elements to such traps include sedimentary environment, structural configuration and seal, and diagenesis.

For synrift strata of the Labrador and Curling groups, sedimentary environments are important determining factors for generating clean sand bodies containing porosity and permeability. Labrador Group rocks are shelf deposits containing broad sheets of shallow marine quartzose sandstones. In contrast, Curling Group strata tend towards deeper marine deposits from an outer shelf and including submarine fans; prospective strata may be more elongate bodies with a lensoid shape.

The structural configuration of traps and seals is determined by regional tectonic position. Traps of the Extensional Block Fault Fairway are dominated by extensional elements (horsts