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**Anomalous seismic features in a lesser known  
Grand Banks basin**

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The Carson Basin has not seen any exploration activity since 1986, and has only been tested by four wells along its westernmost edge. We review these tests with regards to the style of the petroleum play concepts. Also, we explain the setting for a potential deep water turbidite play, based on the amount of sediment eroded throughout the early Cretaceous during the Avalon uplift, as shown by the Bonniton and St. George paleo-canyon systems. We show seismic morphological features that suggest turbidite deposits. Evidence for significant hydrocarbon charging is presented by localised seismic direct hydrocarbon indicators such as high amplitude “flat spots”.