

Preliminary evaluation of the compositional sedimentary variation of the Jurassic Iroquois and Mohican formations of the Scotian Basin (Nova Scotia, Canada)

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The compositional sedimentary variation of the Jurassic Iroquois and Mohican formations of the Scotian Basin (Canada) was evaluated in 9 wells (566 cutting samples) using a Thermo Scientific Niton xl3t gold+ XRF analyser and the SandClass geochemical compositional classification based in major elements [1].

Our data shows that these two formations present a large inter and intra unit compositional variation, even between closely related wells. It is clear that these units represent very dynamic depositional systems with apparent lateral facies variability.

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[1] Herron, M.M. (1988) *J Sed Petrol* **58**, 820–829