

Spectral Gamma-Ray, XRD, and Organic Geochemistry of an Offshore Lacustrine Succession, Albert Formation, Moncton Basin, Southern New Brunswick

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Abstract/Excerpt

Four roadcuts southwest of Sussex, New Brunswick (Figure 1) expose a near 70 m-thick stratal package, primarily of interbedded sandstone and mudstone, that is assigned to the Hiram Brook Member of the Albert Formation (Horton Group, Tournaisian). Detailed sedimentological logging and analytical work has been undertaken on the southernmost of the roadcuts (Figure 2). The sandier lower and upper intervals of the succession are interpreted as the deposits of lacustrine deltas, shorelines, and fluvial systems. The medial interval is almost entirely of mudstone and interpreted as an offshore lacustrine deposit.