

Logan Canyon Formation lithofacies: Scotian Shelf

*D.R. Langdon, J.S. Bell, A. Fricker, Atlantic Geoscience Centre
Bedford Institute of Oceanography, Dartmouth, N.S. B2Y 4A2*

A series of maps have been prepared from the Atlantic Geoscience Centre's LITHFILE data base to portray lithological variation within the Logan Canyon Formation on the Scotian Shelf.

The unit accreted as a lithotop with positive topography suggesting partly progradational accumulation. Maps of sand content, silt content, and net porosity thick-

ness suggest dispersal in a series of lobes. The distribution of coarse sands and contained carbonaceous material suggests that the Logan Canyon Formation may have been sourced by three south-flowing distributary systems whose clastic contributions were amalgamated by southwestward longshore drift.