Lower Cretaceous gravity and sandy shelf deposits in Adventdalen, Spitsbergen - a response of local tectonics?

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The Lower Cretaceous (Berriasian-Hauterivian) Rurikfjellet Formation of the Janusfjellet Sub-group (Adventdalen Group) in Spitsbergen, is interpreted as a shelf and prograding deposits (Mørk et al. 2008). The aim of this study is to refine the depositional model of Lower Cretaceous Rurikfjellet Formation. Gravity clastic wedges are commonly seen banked to the platforms and highs in southwestern Barents Sea.