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## ABSTRACT

A re-examination of surviving outcrops of the Cenomanian parts of the Hibernian Greensands Formation of south and east Antrim in Northern Ireland, together with a revision of the limited ammonite faunas, provide a basis for dating and interpreting the sequence. The lower part of the Belfast Marls Member yields an early Cenomanian *Mantelliceras dixonii* Zone assemblage, whilst other faunal elements suggest the upper part extends into the lower part of the middle Cenomanian. The succeeding Islandmagee Siltstones Member yields the index species of the middle Cenomanian *Acanthoceras rhotomagense* and *A. jukesbrownei* zones. The Collinwell Sands Member is in part, or whole, of late Cenomanian age on the basis of the occurrence of the benthic foraminiferan *Orbitolina*. The erosion surface at the base of

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