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**Sedimentology and stratigraphy of Upper Wisconsinan  
deglacial marine rhythmites from the Humber Arm,  
west Newfoundland**

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In 1999, an approximately 37 m-long piston core was retrieved from the Humber Arm, western Newfoundland. The lower, undeformed portion of this core, between 26 and 33 m depth, is made up of red, rhythmically bedded deglacial muds and represents a complete record of deglaciation during the time period between ~12,350 and 13,500 cal. yr BP (calendar years before present). The sedimentology and stratigraphy of this core section has been studied using visual descriptions of sedimentary and biogenic features, combined with grain size analyses using sieve and sedigraph techniques, to determine sedimentation processes and approximate sedimentation rates. The understanding of these processes can be used to restrain the timing of known deglacial events such as the rate of ice margin retreat, and the time of drainage of a large proglacial lake.

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