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Mucci, A., B. Sundby, M. Gehler, T. Arakaki, S. Zhong & N. Silverberg (2000). The fate of carbon in continental shelf sediments of eastern Canada: a case study. Deep-Sea Research Part II: Topical Studies in Oceanography, 47(3-4): 733-760. DOI: 10.1016/S0967-0645(99)00124-1

The fate of carbon in continental shelf sediments of eastern Canada: a case study

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This paper discusses the effects of organic carbon oxidation on the dissolution and precipitation of calcium carbonate (aragonite and calcite) in fine-grained continental shelf and slope sediments, using data obtained during the Canadian Joint Global Ocean Flux Study program in the Gulf of St. Lawrence and on the Scotia shelf. The oxygen-penetration depth in these sediments is on the order of 10-15

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