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R. L. Cloet

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Coast erosion and sediment circulation on the coast of eastern England

(abstract only)

BY R. L. CLOET

Unit of Coastal Sedimentation, Taunton

Sediment is considered to travel southward along the English coast and northward along the Dutch coast and this has been interpreted as being part of a counter clockwise circulation in the North Sea. There is evidence that the transport along the English coast is interrupted at a number of places, e.g. the Wash and the Thames Estuary, placing major traps in its path and there are discontinuities in the bank formations due to reversal of movement off East Anglia. Recent work suggests that there are some well defined sediment streams in the southern North Sea with very restricted means of transfer from one stream to another. It is possible that in some sandwave fields we are observing fossil topography rather than present dynamic topography, e.g. in areas such as the Sandettie.