

Freshwater Biological Association

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Title: The extent of the rearrangement of material in Neuwerk/Scharhöhm flat.
(Page 23, summary only).

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Hamburger Küstenforschung, 33, 1-24 [Page 23 only] (1975)

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Summary

Investigations showed that with the exception of the western border/edge and the parts of the Elbe and Oste shores/banks which lie most seawards, the entire mudflat area is only infrequently exposed to strong hydraulic forces. Only in extreme conditions, which on average occur rarely more than once a year, would the mudflats be severely affected. Also the yearly records on the shape of the formation show accretion in most of the mudflat between Neuwerk and the mainland in the years from 1965 to 1968, or a scour of only about 1 dm. (Gohren, 1970). Recordings of heights taken in chronological order over a short period of weeks in three test areas yielded fluctuations which lay in the range of centimetres and were of a similar order of magnitude (Gohren 1970, p.29 Fig.27). On the wide flats hydraulic forces are working extraordinarily weakly, which would be expected to result in a lasting effect with a sufficient supply of all particle sizes, which nevertheless, is not evident.

Notice

Please note that these translations were produced to assist the scientific staff of the FBA (Freshwater Biological Association) in their research. These translations were done by scientific staff with relevant language skills and not by professional translators.