

Diatom 2: 103-115 (英文)

後藤敏一：熊野川河口の珪藻群集

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Abstract

The diatom community of brackish water in the Kumano-gawa River Estuary (Wakayama Prefecture) was investigated. Examination of cleaned material revealed a total of 75 forms, of which 29 forms seems to be allochthonous in origin. The diatom community was made up of 18 ~27 forms at each station. Species diversity (Shannon-Wiener DI (bits)) was relatively low, and ranged from 2.01 to 2.18. The communities were predominated by *Nitzschia frustulum*, and significant diatoms were as follows ; *Achnanthes minutissima*, *Gomphonema pseudoaugur*, *Melosira varians*, *Navicula gregaria*, *N. mutica*, *N. neoventricosa*, *Nitzschia filiformis*, *N. palea*, *N. aff. romana*, *Synedra fasciculata* var. *truncata*.

Key index words

diatom community, brackish water diatom, estuary, Kumano-gawa River