

Diatom 13: 171-183 (英文)

濁川明男：新潟県能生町海岸における冬季間の海産付着生珪藻群集の遷移

Akio Nigorikawa : Succession of marine epiphytic diatoms in winter at Nou Town, Niigata Prefecture, Central Japan

Abstract

Succession of marine epiphytic diatoms were studied at Nou town, Niigata Prefecture in Japan. The samples collected from two sites on the concrete of a laver farm and one rock of costal leef about two meters offshore in each winter of 1995, 1996 and 1997.

The results are as follows.

- (1) The 34 genera, 64 species, 4 varieties and 1 forma of diatoms were revealed at two sites.
- (2) The succession of diatom assemblages were remarkably changed every month in winter. It may be different according to the epiphytic materials, ie on the concrete of laver farm and the small seaweeds in winter.

Key index words

bacillariophyceae, diatom succession, epiphytic diatom, marine epiphytic diatom