

Diatom 11: 17-23 (英文)

辻 彰洋 : 琵琶湖沿岸帯における付着性珪藻群集(1)

Akihiro Tuji : Attached Diatom assemblages in the ecotone of Lake Biwa (1)

#### Abstract

Attached diatom assemblages in the littoral zone of Lake Biwa were investigated in March and August, 1994. The diatom assemblages in March were assemblages composed mainly of species commonly found in oligotrophic lakes. In August, *Achnanthes minutissima* was most abundant, but large differences were found in species composition among sites and the dominant species were site-specific. The results suggest that global environmental factors were important in determining the composition of diatom assemblages in March, while local environmental factors were more important in August.

#### Key index words

Lake Biwa ; attached diatoms ; diversity ; species composition ; *Achnanthes minutissima*