

Diatom 5: 9-20 (英文)

渡辺仁治・浅井一視・伯耆晶子・墨田迪彰：琵琶湖の付着珪藻群集に基づく有機汚濁の数量評価（1）

Toshiharu Watanabe, Kazumi Asai, Akiko Houki and Michiaki Sumita : Numerical simulation of organic pollution based on the attached diatom assemblage in Lake Biwa (1)

Abstract

We collected the total of 43 attached algal communities from the inshore and offshore areas of Lake Biwa during the period from June 20 to July 12, 1988, and computed the DAIpo mark at each site from the species composition of the diatom assemblage in the algal community.

From the results, we could recognize an unexpected tendency for the distribution of DAIpo marks to be larger in inshore sites than offshore sites. We want to present some discussion on our findings to this phenomenon in this paper.

Key index words

Lake Biwa, DAIpo (Diatom Assemblage Index to organic water pollution), attached diatom assemblage, numerical simulation.