

Diatom 5: 69-89 (英文)

水野 真・斎藤捷一：津軽十二湖湖沼群王池のプランクトン珪藻

Makoto Mizuno and Shōichi Saito : Planktonic diatoms from Lake Ōike of Lake Tsugaru-Juniko Group, Aomori Prefecture

#### Abstract

Planktonic diatoms from Lake Ōike, Tsugaru-Juniko, Aomori Prefecture were investigated from August 1986 to June 1988. One hundred and four taxa from 24 genera were recorded. The relative abundance of each taxon was measured. Seven taxa had the relative abundance of more than 5%, 22 taxa did one ranging between 1% and 5%, and 75 taxa did one of less than 1%. *Asterionella formosa* var. *formosa*, *Fragilaria crotonensis* var. *crotonensis* and *Aulacosira granulata* var. *angustissima* were major diatoms in this lake. *A. formosa* var. *formosa*, *F. crotonensis* var. *crotonensis* and *A. granulata* var. *angustissima* were dominant from February to June, from June to October and from October to December, respectively. *Tabellaria fenestrata* which had been abundant in this lake in October 1952 (Kawamura 1956) did not appear in the present study.

Key index words

flora, fresh water, planktonic diatoms, Tsugaru-Juniko.