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Yasuo Kihara, Yasushi Sahashi, Shigehiko Arita and Taisuke Ohtsuka: Diatoms of Yamakado Moor in Shiga Prefecture, Japan

Abstract

A taxonomic survey was carried out on the diatom flora of Yamakado Moor, a mixed *Sphagnum* moor located about 5 km north of Lake Biwa in west-central Honshu, Japan. In total, 123 diatom species belonging to 36 genera were identified and are illustrated here with seven unidentified species. The predominant genera were *Eunotia* and *Pinnularia*, each represented by 19 taxa, but their proportions are lower than in the highmoors of Honshu. Forty-one out of 51 taxa reported earlier from Yakumogahara Moor, another *Sphagnum* moor located in the watershed of Lake Biwa, were also observed in Yamakado Moor, although the taxa richness is much higher at the latter site. Similarly to the vascular plant flora and insect fauna, the diatom flora contained boreal or alpine components despite the moor's location in the warm-temperate zone.

Key index words: diatom flora, *Eunotia*, mixed *Sphagnum* moor, *Pinnularia*, Yamakado Moor