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Net Diatom (Bacillariophyceae) Flora of Lake Gök y (Bolu)

of

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Abstract: The diatom flora of Lake G k y was studied monthly over 2 years (June 2003-June 2005) from 3 littoral and 2 vertical stations in Lake G k y (Bolu, Turkey). A total of 119 diatom taxa were identified, most of them belonging to Naviculaceae (48.7%) K tzing, Fragilariceae (16.8%) Hustedt, Surirellaceae (11.8%) K tzing, and Bacillariaceae (6.7%) Ehrenberg, from which many species (*Asterionella formosa* Hassall, *Aulacoseria granulata* (Ehrenberg) Simonsen, *Cyclotella praetermis* Lund, *Cymbella cistula* Kirchner, *Fragilaria biceps* (K tzing) Lange-Bertalot, *F. crotonensis* Kitton, *F. dilata* (Brebisson) Lange-Bertalot, *Navicula radiosa* K tzing, and *Nitzschia sigmoidae* (Nitzsch) Smith) were found each month at all stations. Species richness was especially high in the autumn (November-December 2003 and September-October 2004) during the study periods.

Key Words: Lake G k y, Diatom, Systematic, Species diversity



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