

Benthic algae communities in the coastal part of Ömerli Dam Lake (Istanbul, Turkey)

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Abstract- Benthic algae communities living in the costal part of Ömerli Dam Lake were investigated in samples collected at four stations between Nov. 2002 and Aug. 2003. There were determined 39 taxa from the surface mud sediment (as epipellic algae community). *Navicula gracilis*, *Fragilaria ulna* var. *acus* and *Fragilaria ulna* of Bacillariophyceae and *Cosmarium margaritatum*, *Scenedesmus quadricauda* of Chlorophyceae (with Desmidiaceae) occurred in great numbers. Also 35 taxa of Bacillariophyceae, Chlorophyceae, Cyanobacteria (Cyanoprokaryota), Cryptophyceae and Euglenophyceae were taken from gravel-stone substratum (as epilithic algae community). *Navicula gracilis*, *Closterium acutum* and *Cosmarium margaritatum* were common species.

Key words: Ömerli Dam Lake, benthic algae communities, (epipellic, epilithic).