

Fish fauna and fisheries of Lake İznik (Bursa-Turkey)

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ABSTRACT

1. In this study, the fish fauna of Lake İznik, species diversity and the status of commercial fishing were monthly investigated between January-December 2006. Totally 14 species were identified belonging Cyprinidae, Siluridae, Gasterosteidae, Blenniidae, Gobiidae, Atherinidae from the Lake İznik.
2. These species were carp, *Cyprinus carpio* L., 1758; prussian carp, *Carassius gibelio* (Bloch, 1782); bleak, *Alburnus alburnus* (L., 1758); vimba, *Vimba vimba* (L., 1758); European chub, *Squalius cephalus* (L., 1758); kutum, *Rutilus frisii* (Nordmann, 1840); roach, *Rutilus rutilus* (L., 1758); tench, *Tinca tinca* (L., 1758); anatolian khramulya, *Capoeta tinca* (Heckel, 1843); wels catfish, *Siluris glanis* L., 1758; stickleback, *Gasterosteus aculeatus* L., 1758; freshwater blenny, *Salaria fluviatilis* (Asso, 1801); tubenose goby, *Proterorhinus marmoratus* (Palas, 1814); and big-scale sand smelt, *Atherina boyeri* Risso, 1810.
3. The proportional weight distribution of fish in the experimental nets was composed of 62.25% prussian, 21.51% kutum, 9.33% carp, 5.34% wels catfish, 0.84% anatolian khramulya, 0.40% roach, 0.13% European chub, 0.07% bleak, and 0.06% vimba.
4. Annual Shannon-Wiener index (H') 1.38 of lake was computed. Spatial distribution of this index for the first station (H') 1.40; second station (H') 0.95 and third station (H') 1.84 were determined.
5. The commercial catch was totally 1.451.438 kg from Lake İznik in 2006 when the fishery has not been banned. The catch was composed of big-scale sand smelt (89.75%), prussian carp (7.38%), kutum (1.43%), carp (1.13%) and wels catfish (0.31%).

KEY WORDS: Commercial catch, fish fauna, Lake İznik, species diversity.