

The Structure of Fish Fauna in Dalyan-Iztuzu (Mugla, TURKEY)Huseyin SASI

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Aim of the study: Dalaman River is a main river, located West Mediterranean Basin, in Southwestern part of Turkey. The river has two HES (Hydro Electrical) Dam Lake and one have aquaculture activities. The biodiversity of freshwater systems have been deteriorating with human activities. The introduction of exotic species, where these fish were unknown before, in natural water could be damage for native fishes many natural waters around the world. The aim of this study was to provide fish fauna in Dalaman River (Mugla, Turkey).

Material and Methods: This study was carried out between February 2012 and February 2013, to determine the fish fauna inhabited in Dalaman River. Fish samples were collected by electrofishing and seine net from Dalaman River. For all fish total length ($TL \pm 1\text{mm}$), fork length ($FL \pm 1\text{mm}$) and body weight ($W \pm 0.1\text{g}$) were measured.

Results: It was determined that specimens caught were belonging to 11 species and 5 families (Salmonidae, Cyprinidae, Poeciliidae, Anguillidae, Cichlidae) were identified. The fish found as *Oncorhynchus mykiss* (Walbaum, 1792), *Cyprinus carpio* (L. 1758), *Squalius fellowesii* (Günther, 1868), *Capoeta bergamae* Karaman, 1969, *Anguilla anguilla* (L., 1758), *Gambusia affinis* (Baird & Girard, 1853), *Carassius gibelio* (Bloch, 1783), *Petroleuciscus smyrneaus* (Boulenger, 1896), *Barbus pergamonensis*, Karaman, 1971, *Alburnus escherichii* Steindachner, 1897 and *Tilapia zilli* (Gervais, 1848) are new records from Dalaman River.

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Keywords: Fish fauna, Dalyan, İztuzu, Caretta beach, Native, Invasion.