

PRELIMINARY INVESTIGATION ON MORPHOMETRIC AND BIOMETRIC CHARACTERISTICS OF FEMALE SILVER AND YELLOW, *Anguilla anguilla*, FROM EASTERN MEDITERRANEAN (GÖKSU DELTA/TURKEY)

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Abstract:

This preliminary study was conducted to shed light on characterization of migrating female silver and sedentary yellow eels from Göksu Delta (Eastern Mediterranean) by providing some basic morphometric and biometric parameters and indices. Mean body weight and total length of migrating female silver eels were found to be 72.90 cm and 890.27 g respectively. In female yellow eels mean total body length was measured as 57.45 cm and mean body weight was found to be 384.86 g. The mean values of total length, body weight, gonad weight, liver weight, eye index, gonado-somatic index, and condition factor of migrating silver were significantly higher than those of yellow eels ($P < 0.001$). However; the differences between mean values of fin index and hepato-somatic index in silver and yellow eels were not statistically significant ($P > 0.05$). Gonado-somatic index was not found to be correlated to total length and eye index in female silver eels.

Keywords: Female European silver eel, Morphometric/biometric indices, Göksu Delta, Turkey

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