Maximum size of saddled bream, Oblada melanura (Linnaeus, 1758) (Osteichthyes: Sparidae), in the southern Aegean Sea, Turkey

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Abstract

A specimen of the saddled bream, Oblada melanura, with 357 mm TL, was caught on 30 April 2014 by gillnet fishery in Kokar Cove, Sığacık Bay, the southern Aegean Sea. The present study reports not only the second maximum length record of O. melanura for the Mediterranean, but also the maximum record for the Turkish seas.

Keywords: Saddled bream, Oblada melanura, Maximum length, Sığacık Bay, Aegean Sea

Introduction

Saddled bream, Oblada melanura (Linnaeus 1758) is an inshore benthopelagic schooling fish swimming above sandy and rocky bottoms or seagrass meadows at depth down to 30 m and it feeds on zooplankton and small invertebrates (Golani et al. 2006; Froese and Pauly 2014). O. melanura is Atlanto-Mediterranean, distributing from the Bay of Biscay to Angola, Madeira, Cape Verde and the Canary Islands, and common throughout the Mediterranean, very rare in the Black Sea (Bauchot and Hureau 1986; Froese and Pauly 2014). Spawning occurs in April-June in the Mediterranean; gonochoric and some individuals’ hermaphroditic protogynous (Bauchot and Hureau 1986).

On 30 April 2014, an O. melanura specimen (Figure 1) with 357 mm TL (571 g weight) was caught by gillnet (stretched mesh size 76 mm) in Kokar Cove, Sığacık Bay (Figure 2) at a depth of 25 m on a sandy-muddy bottom. The specimen was fixed in 10% formaldehyde solution and deposited in the fish collection of the Faculty of Fisheries, Ege University (ESFM-PIS/2014-004). Diagnostic characteristics were as follows: dorsal finrays XI+14, anal finrays III+14, ventral finrays I+5, pectoral finrays 15, linea lateralis 64. All
measurements, counts, and color patterns determined are in accordance with description of Bauchot and Hureau (1986), Golani et al. (2006) and Froese and Pauly (2014).

Figure 1. *Oblada melanura* with 357 mm TL, caught in Kokar Cove, Sığacık Bay, the southern Aegean Sea (Photo: O. Akyol)

Figure 2. Sampling location (arrow shows Kokar Cove)
Maximum length of *O. melanura* is reported 300 mm (Golani *et al.* 2006) and 340 mm TL (Gonçalves *et al.* 1997; Froese and Pauly 2014). Pallaora *et al.* (1998) found maximum length as 334 mm amongst the 5341 specimens of the saddled bream in the eastern Adriatic Sea. For the Greek waters, maximum length was given as 289 mm (n=90) by Stergiou and Moutopoulos (2001). Mahmoud (2010) also determined that the maximum length of saddled bream was 292 mm (n=477) in Abu Qir Bay, Egypt. Recently, the largest specimen of *O. melanura* with 366 mm length (n=74) was reported from the French Catalan coast, western Mediterranean Sea by Crec’hriou *et al.* (2012). Due to the sampling difficulties, there is a gap in literature on *O. melanura*, we could not find any length/weight studies in the Turkish seas.

However, the present study reports not only the second maximum length record of *O. melanura* for the Mediterranean, but also the maximum record for the Turkish seas. At the same time, off Kokar Cove exists a cultured fish area, and there is a sea-cage farm nearby. Thus, we think that the specimen sampled had probably reached to the uncommonly big size owing to the high nutritional opportunity around the fish cages.

**Güney Ege Denizi’nde Oblada melanura’ının (Linnaeus, 1758) (Osteichthyes: Sparidae) maksimum boyu**

**Özet**

357 mm total boyuyla bir melanur (*Oblada melanura*) bireyi 30 Nisan 2014 tarihinde Sığacık Körfezi Kokar Koyu’nda (Güney Ege Denizi) uzatma ağılarıyla yakalanmıştır. Bu çalışma, *O. melanura*’nın sadece Akdeniz için ikinci değil, aynı zamanda Türkiye denizleri için ilk kez en büyük boyunu rapor etmektedir.

**References**


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