

عنوان مقاله:

Distribution and biodiversity of fishes in bottom trawl in Iranian part of the Caspian Sea

محل انتشار:

دومین کنفرانس ماهی شناسی ایران (سال: 1393)

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خلاصه مقاله:

The main objective of the present study was to determine spatial and temporal distribution of bony fishes using bottom trawl in depths less than 100 m in Iranian waters of the Caspian Sea, during 2007-2011. In 9 cruises, *Rutilus frisii kutum* (kutum), mullets, shads, *Vimba vimba*, *Chalcalburnus chalcoides*, *Stizostedion lucioperca*, *Rutilus rutilus*, *Cyprinus carpio*, *Aspius aspius*, *Silurus glanis*, *Abramis brama*, *Barbus capito* and *Esox lucius* caught which kutum and mullets comprised more than 98% of total catch. In totally, mullets had high frequency in all seasons (except summer), but most kutum had been caught in autumn and winter. Spatial distribution showed that most mullets were concentrated in depths <20 m. In comparison to other seasons, the CPUE of mullets declined to the lowest level. Most kutum was concentrated in depths <20 m in central region and common carp was concentrated in depths <20 m in eastern region. In the present study, the indices of diversity and evenness estimated in different seasons and regions. The highest diversity was estimated in East region and winter.

کلمات کلیدی:

Distribution, biodiversity, bottom trawl, Caspian Sea, Ichthyology

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