

عنوان مقاله:

Research Article: Population dynamic of skinnycheek lanternfish Benthosema pterotum (Alcock, 1A9o) in the Oman Sea

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خلاصه مقاله:

Population dynamics of skinnycheek lanternfish, Benthosema pterotum (Alcock, 1A9•), were studied in the Oman Sea from January to December Y•19. A total of YA9P individuals were sampled from the commercial catch of bottom trawlers in the Oman Sea. The total length (TL) ranged from Y1- F_{\circ} mm and the average length was P9.F±F. F_{\circ} F mm. More than AF% of the samples were between PP-F $_{\circ}$ mm TL. The length-weight relationship was obtained TW= $_{\circ}.\circ\circ\circA$ TL Y.PA and showed negative allometric growth. The asymptotic length (Loo) and growth coefficient (K) were estimated at F_{P} mm and 1.F per year, respectively. In addition, tmax and t $_{\circ}$ were calculated at 1.YP and - $_{\circ}.1$ $_{\circ}$ year, respectively. The von Bertalanffy growth equation was calculated as Lt= F_{P} (1 – e -1. $F(t+\circ.1$ $_{\circ})$). The coefficients of total mortality (Z), instantaneous natural mortality (M), and fishing mortality (F) rates were estimated as $F.F_{0}$ per year, respectively. Size at first capture (Lc) was estimated at P $_{\circ}.F_{V}$ mm (TL). The current rate of exploitation (E) was given as $_{\circ}.F$ and therefore, the values of exploitation ratio were reasonable for the current fishing .effort

کلمات کلیدی:

Benthosema pterotum, Growth parameters, Mortality rates, Lanternfish, Oman Sea

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