Stock assessment of Sphyraena jello in Bushehr Province coastal waters

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Abstract
Barracuda is one of the commercial fishes, which catch every year in the southern fishing grounds of Iran. This study aimed to achieve biomass of *Sphyraena jello* in Bushehr Province coastal waters, South of Iran. For this purpose R/V vessel in depth layers of C1, C2, C3 and D1, D2, D3 and E2, E3 was used to investigate. Sampling was conducted for 10 days in January 2011. From total 43 hauling in different depth and layers, 1050 kg *Sphyraena jello* were caught. The biomass were calculated 8163.2 Kg. Maximum and minimum of biomass were estimated in depth layer 10-20 (26.83±10.62 Kg/hours) form C1 region and 20-30 (33.7±15.27 Kg/hours) from E2, respectively. Total Catch per unit effort (CPUE) was calculated 11859.2 Kg/Nautical miles for Barracuda in Bushehr waters. In terms of different regions and depth, maximum CPUA were calculated 7709.3 Kg/Nautical miles in north region of Bushehr province waters and 52233.09 Kg/Nautical miles in 10-20 depth Layer, respectively. In addition, maximum biomass investigated 6007.8 Kg in north region of Bushehr province waters and 3765.4 Kg 30-50 depth layer.

Keywords: *Sphyraena jello*, Biomass, Depth layer, Persian Gulf