

A survey on the impact of shrimp effluent on distribution and density of macrobenthos in Mazagh Creek in Hormozgan

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Abstract

The impact of shrimp effluent on macrobenthos density was investigated in Mazagh creek from July to September 2000. Sampling was carried out by a 0.04 m² Vanveen Grab in six selected stations.

Maximum and minimum frequency consisted of crustacea and nematoda, respectively.

The results showed minimum frequency of macrobenthos in stations 1 and 2 in which the outlet channel of the creek mouth is located and maximum frequency of macrobenthos in station 4 and 6 in which inlet channel and Sea are located respectively.

A significant difference was observed using one way analysis variance testing between station 1 and station 6 ($P < 0.05$).

Results showed macrobenthos frequency increase from July to September although this was not significant ($P > 0.05$) statistically.

Keywords: *shrimp ,effluent , aquaculture ,creek , Maazagh*
