

ABSTRACT:

Brood stocks shrimp catches are exploited in important fishing ground of Hormozgan provinces from 1994.

Survey of brood stock shrimps catch projects carried out during (March, April, May, June and July) of 2001 and 2002.

Data were collected by artisanal shrimp fishing trawler per biweekly. Result showed that *P. indicus* was dominant shrimp species in Jask and Sirik areas with 59.5% and 25% respectively, another species such as, *P. semisulcatus* (20.5 - 20%), *P. merguensis* (13.5 - 19.5%), *Metapenaeus affinis* (5.5 - 16.5%), *Metapenaeus stebengi* (0 - 14.5%) and *Parapenaeus stylifera* (1 - 4.5%) were found in total catch of Jask and Sirik areas respectively.

CLm50 for *P. indicus* females were 34.7mm in jask and 34.5mm in the Sirik areas. Tukey test analysis showed that average carapace lengths of *P. indicus* females in Jask were more than Sirik area, with different subsequent ($\alpha= 0.05$). Sex ratio analysis showed was not 1:1 between female and males.

Maximum destribution of *P. indicus*, *P. semisulcatus* and *P. merguensis* spawners, were found during (March to Jun) in Jask and (Jun to July) in Sirik areas.