

Regarding to biomass estimation and to determine the distribution pattern of sea cucumbers, a series of transects were selected and the Partial Method (Figure 1) was applied with considerable numbers of scuba diving (Figure 2) based on monthly sampling. The primary findings on distribution pattern reveals the best fishing grounds in three stratified regions of Beris-Pasabandar, Chabahar-Ramin, Puzm-Tang. The primary estimations of maximum sustainable yield of sea cucumbers in the Oman Sea have been roughly estimated more than 450000 pieces.

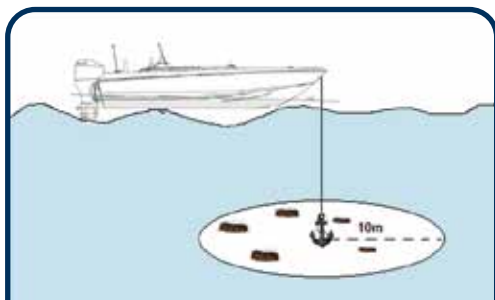
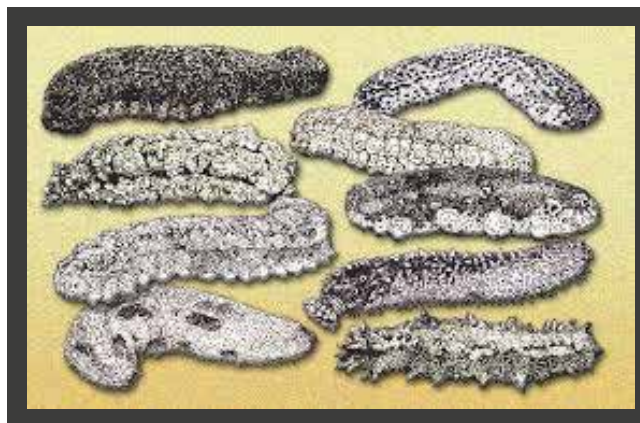


Fig. 1: Partial Method for sampling of Sea Cucumbers



Fig.2: Scuba diving for collecting the samples

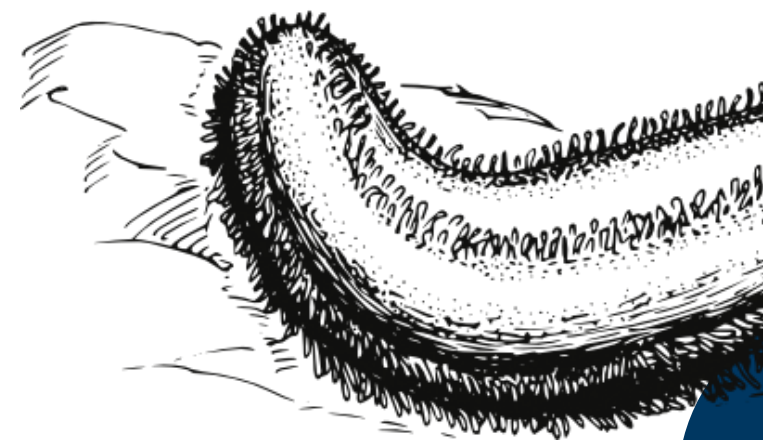


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**Species
Identification and
Stock Assessment
of Sea Cucumbers
in the Oman Sea**

A total of 1500 different species of sea cucumbers have been identified of which only a limited ones are considered as commercial species. In conformity with species identification and biomass estimation of sea cucumbers in the northern Oman Sea (Sistan & Baluchistan Province), the research project of “Stock Assessment of sea cucumbers” was carried out in the study area. A total of 16 species were found and identified and as commercially importance was classified into 3 groups (see the Table).

No.	Scientific Name	Grade of Commercially importance
01	<i>Holothuria scabra</i>	1 st Class
02	<i>Holothuria hilla</i>	-
03	<i>Holothuria sp.</i>	-
04	<i>Holothuria leucospilota</i>	3 rd Class
05	<i>Holothoria edolis</i>	-
06	<i>Holothuria pervicax</i>	-
07	<i>Holothuria sp.</i>	-
07(a)	<i>Holothuria arenicola</i>	3 rd Class
08	<i>H. foscogilva</i>	-
09	<i>Holothuria spinifera</i>	-
10	<i>Stichopus varigatus</i>	3 rd Class
11	<i>Holothuria parva</i>	2 nd Class
12	<i>Holothuria ananas</i>	2 nd Class
13	Unknown	-
14	<i>Stichopus sp.</i>	-
15	<i>Cocomeria sp.</i>	2 nd Class

