NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology Government of India, New Delhi

For office use:

MARINE BIORESOURCES

FORMS DATA ENTRY: Form-1(general) Ref. No.: (please answer only relevant fields; add additional fields if you require)

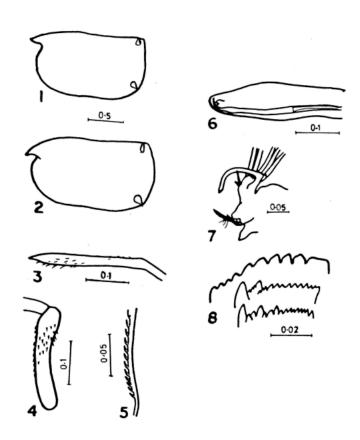
Fauna : √	Flora	Microorganisms		
General Category: Invertebra		THE CONSTRUCTION		
General Category : inverteer	are (200plainton) Ostracoda			
Scientific name & Authority	· Conchoecia magna Claus	1891		
Common Name (if available				
Common rame (in available	<i>)</i> ·			
Synonyms	Author(s)	Status		
Conchoecia magna	Claus	1891		
Conchoecia magna	Muller	1894		
Conchoecia magna	Deevey	1968		
Conchoecia magna	Angel	1969		
Conchoecia magna	Poulsen	1973		
Classification:				
Phylum: Arthropoda	Sub- Phylum			
Super class	Class: Crustacea	Sub- Class: Ostracoda		
Order: Myodocopa	Sub Order: Halocypridina			
Super Family:	Family: Halocyprididae	Sub-Family: Conchoecinae		
Genus: Conchoecia	Species: magna			
Authority: Claus				
Reference No.				
Claus, C., 1891. Die halocypriden des Atlantischen Ocean und Mittalmeeres – Wien.				
Geographical Location:				
Reported from the Atlantic, Pacific and Indian Oceans. IIOE material indicates its				
sporadic distribution in the Indian Ocean. It was present along the Somali and Arabian				
coasts, mouth of Persian Gulf, Andaman Sea and southwest Bay of Bengal.				
		•		
Latitude:	Place:			
Longitude:	State:			

Environment

Fresh water: Yes/ No Habitat : Marine Salinity : 32-36.4 %o Brackish : Yes/ No Migrations : Temperature : 11.5-30.1 °C

Salt water : Yes \sqrt{No} Depth range :

Picture (scanned images or photographs of adult / larval stages)



Conchoecia magna (Figs. 1-8)

- Fig. 1. Male carapace, lateral view Fig. 2. Female carapace, lateral view
- Fig. 3. Female frontal organ Fig. 4. Male frontal organ
- Fig. 5. Male armature of 'e' bristle of first antenna
- Fig. 6. Male copulatory limb Fig. 7. Male endopod of right second antenna
- Fig. 8. Male tooth-lists of mandible

DATA ENTRY FORM: Form- 2(Fish / shellfish / others)

(please answer only relevant fields; add additional fields if you require)

Form –1 Ref.No.:

IMPORTANCE

Landing statistics (t/y): from to Place: Ref. No.:

Main source of landing: Yes/ No Coast: east/ west

Importance to fisheries: Main catching method:

Used for aquaculture : yes/ never/ rarely
Used as bait : yes/no/ occasionally
Aquarium fish : yes/ no/ rarely

Game fish : yes/ no

Dangerous fish : poisonous/ harmful/ harmless

Bioactivity: locally known/reported/ not known Details:

Period of availability: Throughout the year – yes/ no If no, months:

SALIENT FEATURES:

Morphological:

Diagnostic characteristics:

Carapace:- Size 1.5-1.6 mm for male and 1.6-1.8 mm for females. Height about half of its length. Postero-dorsal corner distinct. Antero-ventral and postero-ventral corners rounded. Ventral margin slightly concave. Posterior margin almost straight in male and rounded in female. Asymmetric glands in the usual places.

First antenna:- The 'a' bristle is curved proximally and the distal end reaches the distal part of the first segment. The 'b', 'd' and 'e' bristles are with more or less same length. Armature of the 'e' bristle with 13-14 pairs of spines and 15-16 alternating spines. In female, dorsal bristle of second segment long and hairy.

Second antenna:- The 'b' bristle of endopodite with short spines, longer hairs present only in male specimens. The 'h' 'i' and 'j' bristles with shafts. The right clasping organ with a basal part bent at right angles, the distal part again bent at right angles. The smaller left clasping organ is straight after the basal bent. Both right and left organs with ridged end and the left one very much pointed.

Mandible:- Toothed edge of coxale with 10 teeth. Distal list with 2 large teeth, of which second serrated, followed by 13-14 small teeth. Proximal list with a total of about 16 teeth, the 3 larger teeth have 2 smaller ones in between.

Copulatory limb:- Broad at middle, more convex anterior edge. The distal end rounded.

two-third of the capitulum. In female, shaft and capitulum are not separated, the tip is pointed and turned downwards. Spines present on distal half of the ventral side, very much stronger than those present on the proximal part of the dorsal side.
Sex attributes:
Descriptive characters:

Frontal organ:- In male, distal part is bare and the end rounded. Dorso-proximally there are 5-6 spines and more spines are present and more ventrally spreading up to

Meristic characteristics:	
Feeding habit: Main food : Feeding type :	
Additional remarks: Most of the species coming under this group are some but identified by their size, and armature of 'e' bristle of f	•
Size and age:	
Maximum length (cm) (male / female/ unsexed) Average length (cm) (male / female / unsexed) Maximum weight : (g) (male / female / unsexed) Average weight : (g) (male / female / unsexed) Longevity (y) (wild) : (captivity) Length / weight relationalships:	Ref. No.: Ref. No.: Ref. No.: Ref. No.: Ref. No.:

Eggs and larvae: Ref.

No.Characteristics:

Abundance:

Biochemical aspects:

Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Ref. No. Electrophoresis: Ref. No.

SPAWNING INFORMATION:

Locality: Main Ref:

Season: Fecundity: Comment:

MAJOR PUBLICATIONS (INDIAN):

(include review articles, monographs, books etc.)

George Jacob, 1977. Studies on planktonic ostracods of the Northern Indian Ocean. *Ph.D Thesis, University of Cochin*, 184pp.

George, J and Vijayalakshmi Nair, R., 1980. Planktonic ostracods of the northern Indian Ocean. *Mahasagar-Bull. Natn. Inst. Oceanogr.*, **13**(1): 29-44.

Rosamma Stephen and Meenakshikunjamma, P.P., 1996. Ostracods of Andaman Sea. Proceedings of the Second Workshop on Scientific Results of FORV Sagar Sampada, 197-203.

LIST OF INDIAN EXPERTS(Name, address, phone, fax, e-mail etc.)

1. Dr. Jacob George

Pulickal

Soonoro Church Road

Elamkulam

Kochi – 682 020

2. Dr. Vijayalakshmi R. Nair

HB/50, "Vijaya"

South Bridge Avenue,

Panampilly Nagar,

Kochi - 682036

Tel: 0484 - 316999 Fax: 0484 - 324972

e – mail: vijayalakshmi40@hotmail.com

3. Dr. Rosamma Stephen

Scientist,

National Institute of Oceanography Regional Centre, Kochi – 682 014 Phone: 390814, Res – 203087

Email rosa@niokochi.org

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