

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

MARINE BIORESOURCES

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

For office use:

Fauna : <input checked="" type="checkbox"/>	Flora	Microorganisms																		
General Category : Invertebrata (Zooplankton), Pelagic amphipod																				
Scientific name & Authority : <i>Cystisoma longipes</i> (Bovallius, 1886) Common Name (if available) : Synonyms: <table border="0"> <thead> <tr> <th>Author(s)</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td><i>Cystisoma longipes</i> (<i>Thaumatops</i>)</td> <td>Bovallius 1886: 13</td> </tr> <tr> <td>(<i>Thaumatops</i>) Spec.A, non B);</td> <td>Bovallius 1889: 47</td> </tr> <tr> <td><i>Cystisoma longipes</i></td> <td>Stebbing 1888: 1327</td> </tr> <tr> <td>-<i>bovallii</i> (<i>Thaumatops</i>)</td> <td>Woltereck 1903: 457</td> </tr> <tr> <td><i>Cystisoma longipes</i> (<i>Thaumatops</i>)</td> <td>Stephensen 1918: 59</td> </tr> <tr> <td>-<i>africanaum</i></td> <td>Barnard 1916: 287</td> </tr> <tr> <td>-<i>magna</i></td> <td>(non Woltereck) (1903)</td> </tr> <tr> <td><i>Cystisoma longipes</i></td> <td>Shoemaker 1945a: 233</td> </tr> </tbody> </table>			Author(s)	Status	<i>Cystisoma longipes</i> (<i>Thaumatops</i>)	Bovallius 1886: 13	(<i>Thaumatops</i>) Spec.A, non B);	Bovallius 1889: 47	<i>Cystisoma longipes</i>	Stebbing 1888: 1327	- <i>bovallii</i> (<i>Thaumatops</i>)	Woltereck 1903: 457	<i>Cystisoma longipes</i> (<i>Thaumatops</i>)	Stephensen 1918: 59	- <i>africanaum</i>	Barnard 1916: 287	- <i>magna</i>	(non Woltereck) (1903)	<i>Cystisoma longipes</i>	Shoemaker 1945a: 233
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Classification: Phylum: Arthropoda Sub Phylum: Mandibulata Sub Class: Malacostraca Super class Class: Crustacea Sub Order: Hyperidea Super Order: Peracarida Order: Amphipoda Sub-Family Super Family: Vibilioidea Family: Cystisomatidae Genus: <i>Cystisoma</i> Species: <i>longipes</i>																				
Authority: (Bovallius, 1886) Reference No.: Bovallius, C. 1886. Remarks on the genus <i>Cysteosoma</i> or <i>Thaumatops</i> . <i>Bihang Kgl Svenska Vet.- Akad. Handle.</i> , Vol 11, No. 16, 50 pp.																				
Geographical Location: The Atlantic Ocean from 57 ° N to 33° S, tropical region of the Indian Ocean, south eastern and equatorial parts of the Pacific Ocean (30 ° S, 165° E; 7 ° 40' N 150° W). Latitude: Place: Longitude: State:																				

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity :

Brackish : Yes/ No

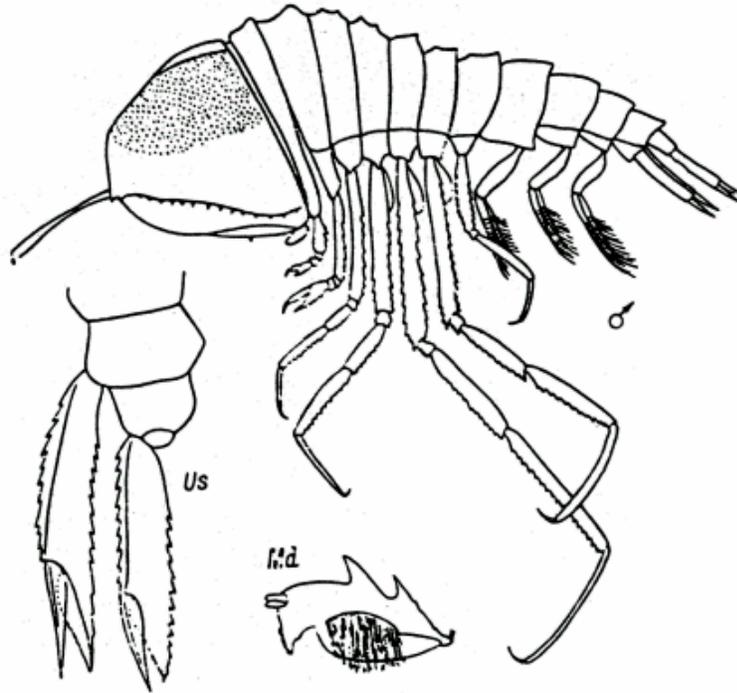
Migrations :

Temperature :

Salt water : Yes✓/ No

Depth range :

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



Cystisoma longipes (Bovallius)
(Male, Us- after Bovallius, 1889; Md- after Stephensen, 1918).

posterior side but the 5th-6th segments have transverse rows of setae on the surface. In pereopods IV the segments are approximately of the same proportions but longer. Pereopods V-VI are very long, pair V almost as long as the animal itself and pair VI shorter by the length of the last segment. The 2nd segment of pereopods V has denticulate carinate margins, is six-seven times longer than wide, and the anterior margin distally has a denticulate lobe overhanging the base of the 3rd segment; the total length of the 4th-5th segment is notably more than length of the 2nd; the 4th segment is shorter than the 5th and both have denticulate anterior margins; the 6th segment is narrow, equal to or slightly longer than the 5th segment. Pereopods VI- are similar to pereopods V but all the segments are relatively shorter. Pereopods VII are short, not extending beyond the end of the 4th segment of pair VI. Unfortunately, the structure of the “egg forceps” of the mature female was not described because Bovallius worked with a young female (which he mistook for a male). According to the description of *C. africanum* given by Barnard, the “egg forceps” is similar to than in *C. pellucida*: the notch of the distal margin of the 6th segment is not deep and the deeply curved claw touches the apex of the process of the anterior margin; the segment itself is distally broadened.

Sex attributes:

Dimorphic

Male: 1st antenna well developed, female: 1st antenna reduced.

Descriptive characters:

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

Size and age:

Maximum length (cm) (male / female/ unsexed)

Ref. No.:

Length of females up to 80. mm; males are smaller.

Average length (cm) (male / female / unsexed)

Ref. No.:

Maximum weight : (g) (male / female / unsexed)

Ref. No.:

Average weight :(g) (male / female / unsexed)

Ref. No.:

Longevity (y) (wild) : (captivity)

Ref. No.:

Length / weight relational ships:

Eggs and larvae: Characteristics: Abundance: Biochemical aspects: Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash Electrophoresis:	Ref. No.: Ref. No. Ref. No.:
SPAWNING INFORMATION: Locality: Season: Fecundity: Comment:	Main Ref:
<p>MAJOR PUBLICATIONS (INDIAN): (include review articles, monographs, books etc.)</p> <p>LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.)</p> <p>Dr. K.K.C. Nair Scientist-In-Charge R.C. of NIO, Post Box-1616 Kochi – 682 014 Email kkcnair@niokochi.org</p> <p>Dr. N. Krishna pillai “Radhika” 65- Champaka Nagar Bakery Junction Trivandrum-695 001</p> <p>ACKNOWLEDGEMENT: (List of persons who contributed, modified or checked information)</p>	