

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

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| For office use: |
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MARINE BIORESOURCES

FORMS DATA ENTRY: Form- 1(general)

| Fauna: √ | Flora | Microorganisms | | | | | | | | | | | | | | | | | | |
|---|---------------------------|--------------------------|--------------------|--------------------------|--------------------------|---|------------------|-----------------------|-----------------------------------|------------------|------------|---|------------------------|------------|-----------------------------|---------------------------|------------|---|----------|-----------|
| General Category : Invertebrata (Zooplankton) Pelagic amphipod | | | | | | | | | | | | | | | | | | | | |
| Scientific name & Authority: <i>Euthamneus rostratus</i> (Bovallius, 1887) Common Name (if available): <table border="0"> <thead> <tr> <th>Synonyms:</th> <th>Author(s)</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td><i>Euthamneus rostratus</i> (<i>Thamneus</i>)</td> <td>Bovallius</td> <td>1887a: 31</td> </tr> <tr> <td>-<i>debilis</i> (<i>Daira</i>)</td> <td>Dana</td> <td>1852: 991</td> </tr> <tr> <td>-<i>platyrrhynchus</i> (<i>Thamneus</i>)</td> <td>Stebbing</td> <td>1888: 1558</td> </tr> <tr> <td><i>Euthamneus rostratus</i></td> <td>Stephensen</td> <td>1925a: 180</td> </tr> <tr> <td>-<i>recurvirostris</i> (<i>Thamneus</i>)</td> <td>Chevreur</td> <td>1900: 154</td> </tr> </tbody> </table> | | | Synonyms: | Author(s) | Status | <i>Euthamneus rostratus</i> (<i>Thamneus</i>) | Bovallius | 1887a: 31 | - <i>debilis</i> (<i>Daira</i>) | Dana | 1852: 991 | - <i>platyrrhynchus</i> (<i>Thamneus</i>) | Stebbing | 1888: 1558 | <i>Euthamneus rostratus</i> | Stephensen | 1925a: 180 | - <i>recurvirostris</i> (<i>Thamneus</i>) | Chevreur | 1900: 154 |
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| Classification: <table border="0"> <tr> <td>Phylum: Arthropoda</td> <td>Sub- Phylum: Mandibulata</td> <td>Sub- Class: Malacostraca</td> </tr> <tr> <td>Super class</td> <td>Class: Crustacea</td> <td>Sub Order: Hyperiidea</td> </tr> <tr> <td>Super Order: Peracarida</td> <td>Order: Amphipoda</td> <td>Sub-Family</td> </tr> <tr> <td>Super Family: Platysceloidea</td> <td>Family: Brachyscelidae</td> <td></td> </tr> <tr> <td>Genus: <i>Euthamneus</i></td> <td>Species: <i>rostratus</i></td> <td></td> </tr> </table> <p>Authority: (Bovallius, 1887) Reference No: Bovallius, C. 1887. Contribution to a monograph of the Amphipoda Hyperiidea. <i>Kongl. Svenska Vet. Akad. Handl.</i>, 21: 1-72, 10 pls.</p> | | | Phylum: Arthropoda | Sub- Phylum: Mandibulata | Sub- Class: Malacostraca | Super class | Class: Crustacea | Sub Order: Hyperiidea | Super Order: Peracarida | Order: Amphipoda | Sub-Family | Super Family: Platysceloidea | Family: Brachyscelidae | | Genus: <i>Euthamneus</i> | Species: <i>rostratus</i> | | | | |
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| Super class | Class: Crustacea | Sub Order: Hyperiidea | | | | | | | | | | | | | | | | | | |
| Super Order: Peracarida | Order: Amphipoda | Sub-Family | | | | | | | | | | | | | | | | | | |
| Super Family: Platysceloidea | Family: Brachyscelidae | | | | | | | | | | | | | | | | | | | |
| Genus: <i>Euthamneus</i> | Species: <i>rostratus</i> | | | | | | | | | | | | | | | | | | | |
| Geographical Location: Known from the Atlantic (50° N. to 6° S), Indian (8° N, to 12° S.), and Pacific (north of 40° S.) oceans. Latitude: _____ Place: _____ Longitude: _____ State: _____ | | | | | | | | | | | | | | | | | | | | |

Environment

Freshwater: Yes/ No

Habitat:

Salinity:

Brackish: Yes/No

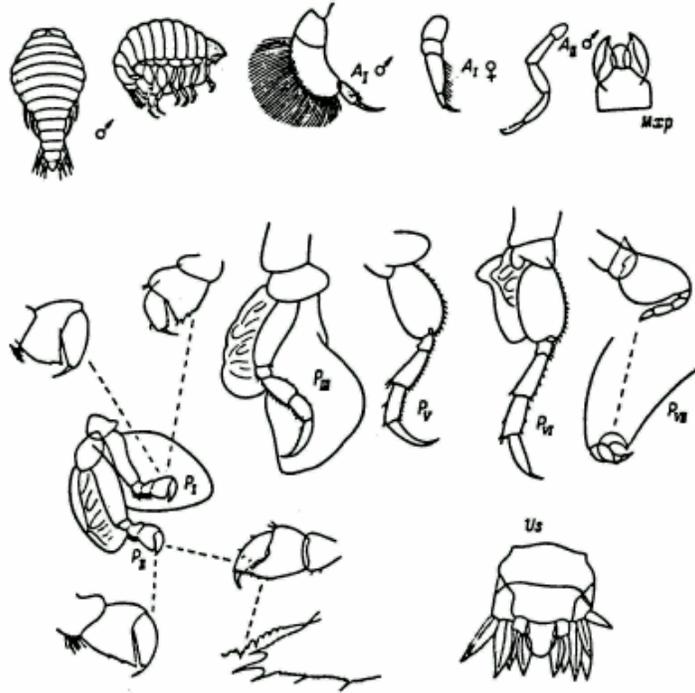
Migrations:

Temperature:

Salt Water: Yes/ No

Depth range :

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



Euthamneus rostratus (Bovallius) (after Stebbing, 1888)

DATA ENTRY FORM: Form -2 (Fish/ Shell fish/ Others) Ref. No.:
 (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: The body is flattened; the pereon is strongly broadened in the middle part, as if bulged, dolioform, and twice as long as the pleon. The head in males is laterally sharply narrowed, terminating in a pointed rostrum dorsally board truncate anteriorly, the width of the frontal margin approximately half that at the base and the width of the head much more than its length. The head in females is also narrowed but anteriorly evenly rounded and its height less than its length. The 1st segment of the flagellum of antennae I in males is bent upward thick, and relatively short, the 2nd segment is highly flattened the 3rd and 4th are narrower and short. Antennae I of females are weaker and shorter than in males Antennae II are rudimentary in males, five-segmented, and not longer than Antennae I.

The 2nd segment of pereopods I is straight; the 4th segment is strongly broadened in the distal part; the 3rd and 4th segments are densely pubescent, with fine setae, along the posterior margin; the anterior distal angle of the 5th segment forms a small rounded process; the posterior distal angle of the 5th segment is only slightly less than a right angle, and its margins bear a few high teeth between which smaller denticles may occur; the 6th segment also has a denticulate posterior margin; the claw is strong but rather short. Pereopods II are longer than pair I; the anterior angle of the 5th segment does not form a process while the posterior one is more pointed and longer than in pereopods I but with similar ornamentation. The 2nd segment of pereopods V is oval and almost half the length of the distal segments together; the 2nd-5th segments are armed with spines along the anterior and sometimes even the posterior margin. Pereopods VI are equal; in length to pair V; the 2nd segment is approximately half the length of the distal segments together; the 4th-6th segments have a denticulate anterior margin. Moreover, the 2nd-6th segments are armed with spines along the anterior margin and the 4th and 5th segments with lateral spines. Pereopods VII have a strongly broadened 2nd segment in which the posterior margin is much more bulged than the anterior; the distal segments together are somewhat shorter than the 2nd segment.

The first urosomite has bulged, the last urosomite concave lateral margins, the last urosomite is half as long as its maximum width. The endopodite of uropods I is 1.5 times longer than the basipodite and both rami extend beyond the telson by half their length. The endopodite of uropods II is more than twice as long as the basipodite, the exopodite shorter. The rami of uropods III are barely broadened in the middle part and the endopodite extends over the tip of the telson by half its length. The telson is roundish, slightly longer than wide, and equal in length to the last urosomite.

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 adult females up to 10 mm, of males up to 6 mm.

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 relationships:

| | |
|---|---|
| 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: |
| MAJOR PUBLICATIONS (INDIAN): (Include review articles, monographs, books etc.) LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.) <div style="text-align: center;"> <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> </div> | |
| ACKNOWLEDGMENT: (List of persons who contributed, modified or checked information) | |

