

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

For office use:

MARINE BIORESOURCES

FORMS DATA ENTRY: Form- 1(general)

Fauna: <input checked="" type="checkbox"/>	Flora	Microorganisms																								
General Category: Invertebrata (Zooplankton) Pelagic amphipod																										
<p>Scientific name & Authority: <i>Scina borealis</i> (G.O. Sars, 1882) Common Name (if available):</p> <table border="0"> <thead> <tr> <th>Synonyms:</th> <th>Author(s)</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td><i>Scina borealis</i> (<i>Clydonia</i>)</td> <td>G.O. Sars</td> <td>1882: 77, 1890: 20</td> </tr> <tr> <td><i>Scina borealis</i></td> <td>Bovallius</td> <td>1887b: 16</td> </tr> <tr> <td> (<i>Tyro</i>)</td> <td>Bovallius</td> <td>1887c: 550</td> </tr> <tr> <td> (<i>Tyro</i>)</td> <td>Wagler</td> <td>1926: 337, 1927: 94</td> </tr> <tr> <td> -<i>clausi</i></td> <td>Bovallius</td> <td>1885b: 14</td> </tr> <tr> <td> (<i>Tyro</i>)</td> <td>Bovallius</td> <td>1887b: 18</td> </tr> <tr> <td><i>Scina borealis</i></td> <td>Vosseler</td> <td>1901: 104</td> </tr> </tbody> </table>			Synonyms:	Author(s)	Status	<i>Scina borealis</i> (<i>Clydonia</i>)	G.O. Sars	1882: 77, 1890: 20	<i>Scina borealis</i>	Bovallius	1887b: 16	(<i>Tyro</i>)	Bovallius	1887c: 550	(<i>Tyro</i>)	Wagler	1926: 337, 1927: 94	- <i>clausi</i>	Bovallius	1885b: 14	(<i>Tyro</i>)	Bovallius	1887b: 18	<i>Scina borealis</i>	Vosseler	1901: 104
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<p>Classification:</p> <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: Hyperidea</td> </tr> <tr> <td>Super Order: Peracarida</td> <td>Order: Amphipoda</td> <td>Sub-Family:</td> </tr> <tr> <td>Super Family: Scinoidea</td> <td>Family: Scinidae</td> <td></td> </tr> <tr> <td>Genus: <i>Scina</i></td> <td>Species: <i>borealis</i></td> <td></td> </tr> </table> <p>Authority: G.O. Sars, 1882 Reference No. Sars. G.O. 1883. Oversight of Norges Crustaceer med forelobige bemaerkinger over de nye eller mindre bekjendte Arter. 1. Podophthalmata-Cumacea-Isopoda-Amphipoda. <i>Forhandl. Vid. Selsk. For</i> 1882, No, 18, 124 pp.</p>			Phylum: Arthropoda	Sub Phylum: Mandibulata	Sub-Class: Malacostraca	Super class:	Class: Crustacea	Sub Order: Hyperidea	Super Order: Peracarida	Order: Amphipoda	Sub-Family:	Super Family: Scinoidea	Family: Scinidae		Genus: <i>Scina</i>	Species: <i>borealis</i>										
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<p>Geographical Location: A panoeceanic species. It is the most common and numerous scinid inhabiting the temperate, cold-water, and tropical regions. In the Arctic Basin it is found at 80° N, in the Antarctic in ice right up to 65°-72° S. It inhabits a wide range of depths; found in catches from 50-100 to 2,000-3,000 m but is most numerous in the 200-1,000m layer.</p> <table border="0"> <tr> <td>Latitude:</td> <td>Place:</td> </tr> <tr> <td>Longitude:</td> <td>State:</td> </tr> </table>			Latitude:	Place:	Longitude:	State:																				
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Environment

Freshwater: Yes/ No

Habitat: Marine

Salinity:

Brackish: Yes/No

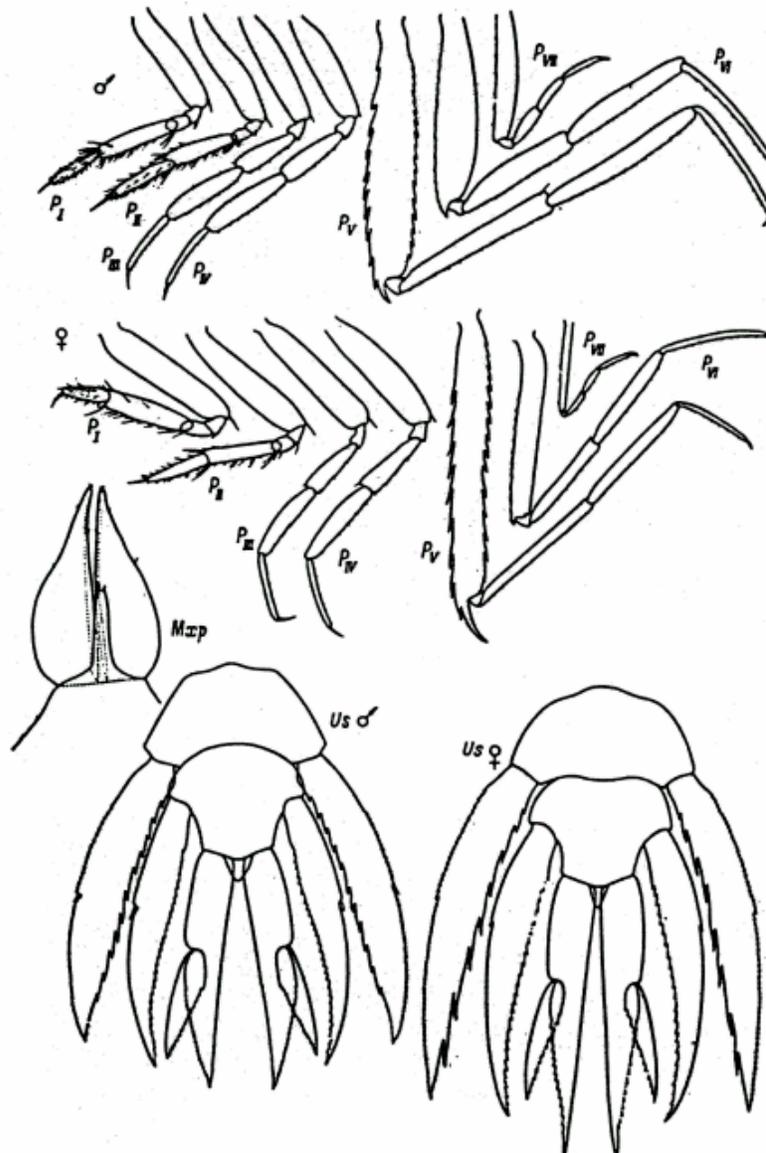
Migrations:

Temperature:

Salt Water: Yes/ No

Depth range :

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



Scinia borealis (G. O. Sars) (after Wagler, 1926).

<p>DATA ENTRY FORM: Form –2 (Fish/ Shell fish/ Others) Ref. No.:</p> <p>(Please answer only relevant fields; add additional fields if you require)</p> <p>Form- 1 Ref. No.:</p>			
<p>IMPORTANCE</p> <p>Landing statistics (t/y): from to Place: Ref. No.:</p> <p>Main source of landing: Yes/ No Coast: east/ west</p> <p>Importance to fisheries:</p> <p>Main catching method:</p> <p>Used for aquaculture: yes/ never/ rarely</p> <p>Used as bait: yes/no/ occasionally</p> <p>Aquarium fish: yes/ no/ rarely</p> <p>Game fish: yes/ no</p> <p>Dangerous fish: poisonous/ harmful/ harmless</p> <p>Bioactivity: locally known/ reported/ not known Details:</p> <p>Period of availability: Throughout the year – yes/ no If no, months:</p>			
<p>SALIENT FEATURES:</p> <p>Morphological:</p> <p>Diagnostic characteristics:</p> <p>The body is smooth and without keels; low crests run only on the head from the middle of the front to the antennae. Antennae I are thin and slightly longer than the pereon .</p> <p>The mouth cone does not project markedly. The outer lobes of the maxillipeds are long, tapering distally; the inner lobes are nearly half the length of the outer and their distal margin is straight.</p> <p>The width of the segments and the degree to which the pereopods and uropods are armed vary markedly. The claws of pereopods I and II are long and thin. Pereopods III and IV are identical in structure; their 6th segment is almost equal in length to the 4th and somewhat shorter than the 5th; the claw is long and almost straight. Pereopods V are the longest of all the pereopods, oblong-oval, or with parallel margins; the 2nd segment has numerous large denticles on the anterior and posterior margins and a slightly curved, distal process that varies in length from short to 2-3 times longer than the 3rd segment; the 4th segment is equal to or slightly longer than the 5th, which in turn is much (1.5 times) longer than the 6th segment. Pereopods VI are slightly shorter than the pereopods V; their 6th segment is somewhat longer than each of the almost equally long 4th and 5th segments. Pereopods VII are longer than the 2nd segment of pereopods VI; their 6th segment is considerably longer than the 5th segment; the claw is short and curved.</p> <p>Uropods I bear a small number of strong, slightly curved spines on the posterior margin and are finely denticulate on the anterior margin. Uropods II have a smooth anterior and finely denticulate posterior margin. In uropods III both the anterior and posterior margins of the basipodite are smooth but only the posterior margin of the exopodite. The length of the small triangular telson may be slightly more or less than its basal width.</p> <p>The females have a brood pouch containing 60-80 eggs.</p>			

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 sexually mature specimens reaches 7-8mm.

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 relation 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:
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)	