

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																	
Scientific name & Authority: <i>Scina vosseleri</i> Tattersall, 1906 Common Name (if available): <table border="0"> <tr> <td>Synonyms:</td> <td>Author(s)</td> <td>Status</td> </tr> <tr> <td><i>Scina vosseleri</i></td> <td>Tattersall</td> <td>1906 : 7</td> </tr> <tr> <td><i>Scina vosseleri</i></td> <td>Stephensen</td> <td>1918: 27</td> </tr> <tr> <td><i>Scina vosseleri</i></td> <td>Chevreur</td> <td>1919: 11</td> </tr> <tr> <td><i>Scina vosseleri</i></td> <td>Wagler</td> <td>1926: 416</td> </tr> </table>			Synonyms:	Author(s)	Status	<i>Scina vosseleri</i>	Tattersall	1906 : 7	<i>Scina vosseleri</i>	Stephensen	1918: 27	<i>Scina vosseleri</i>	Chevreur	1919: 11	<i>Scina vosseleri</i>	Wagler	1926: 416
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Authority: Tattersall, 1906 Reference No. Tattersall, W.M. 1906. The marine fauna of the coast of Ireland, 8. Pelagic Amphipoda of the Irish Atlantic slope. <i>Fisheries, Ireland, Sci. Invest. for</i> 1905, No. 4, 39 pp.																	
Geographical Location: This is a warm-water species known from various regions of the Atlantic Ocean (from 53° 07' N, 15°06' W to 31°21' S, 9°46'E) and from the northern part of the Indian Ocean (up to 29°43'S, 90°02' E). In the Pacific Ocean it is found in the northern tropical and equatorial regions (from 28°08' N, 141°08' E to 43° S, 158°W). Sexually mature specimens were found in the 500-1,800m layer and in many through catches from depths over 1,000m to the surface; however, younger specimens were found in the 50-100m layer. Latitude: _____ Place: _____ Longitude: _____ State: _____																	

Environment

Freshwater: Yes/ No

Habitat: Marine

Salinity:

Brackish: Yes/No

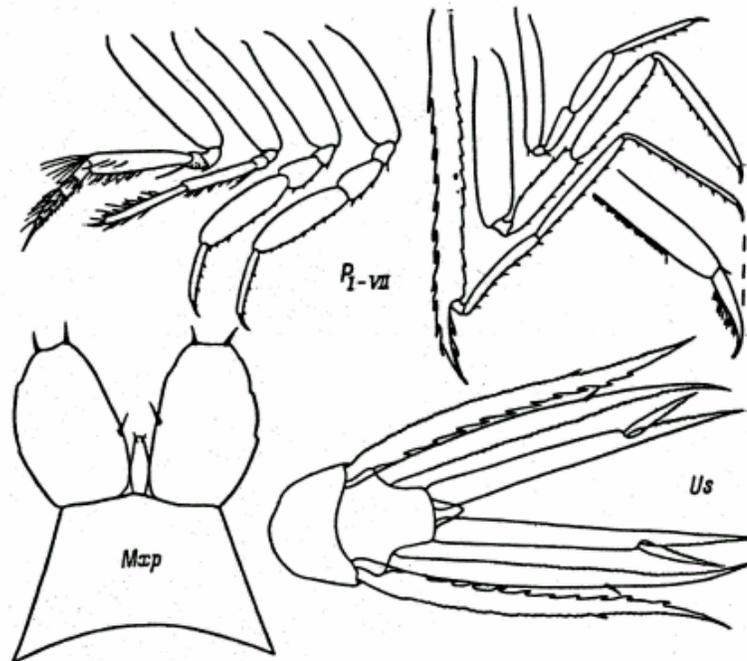
Migrations:

Temperature:

Salt Water: Yes✓/ No

Depth range :

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



Scina vosseleri Tattersall, female (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; the head has a weakly developed keel. Antennae I are rather thin and equal in length to the entire body.</p> <p>The mouth cone is large. Maxillae I have a very short palp that does not reach the distal end of the outer lobe. The maxillipides have short, oval outer lobes, with a straightly truncated apex; the inner lobes are 1/3 the length of the outer.</p> <p>In pereopods I and II, unlike in most <i>Scina</i> species, the 5th and 6th segments together are longer than the 2nd segment. In pereopods I the 5th segment is slightly longer than the 6th while in pereopods II they are almost equal and very thin. Pereopods III and IV are characterized by broad 4th and 5th segments; moreover, the 5th segment is roughly 1.5 times longer than the rod-shaped 6th segment and roughly twice longer than the distally broadened 4th segment. The 2nd segment of pereopods V is narrow and armed on the anterior margin with long, slightly curved denticles, while the posterior margin of the segment may be either denticulate or bear similar denticles as on the anterior margin; the strong, distal process is long, acute, slightly curved, falling just short of the 4th segment and in length is nearly 1/4 the 2nd segment; the anterior and posterior margins of this process also bear similar denticles as on the anterior margin of the segment; ; the 4th segment is nearly 4/5 the length of the 5th segment which in turn is roughly equal to the 6th.. All the distal segments, especially the 6th, are very thin; the long conical claws are slightly curved in the distal part and bear numerous long setae on the anterior margin. Pereopods VI are notably shorter than pereopods V; their 2nd segment is almost half the length but broader than the 2nd segment of pereopods V; the 4th segment is shorter than the 5th, which in turn is slightly longer than the 6th segment. Pereopods VII are slightly shorter than pereopods VI; their 4th segment is slightly shorter than the 5th, which in turn is shorter than the 6th segment.</p> <p>The uropods are narrow and long; the basipodite in all the uropods is</p>			

considerably longer than the endopodite, the exopodite in uropods I is reduced to a very small spine and in uropods II to a longer spine. The anterior margin of uropods I is finely denticulate and the posterior margin armed with sparse, long, slightly curved spines. The anterior margin of uropods II is smooth while the posterior margin is finely denticulate. In uropods III only the inner margin of the exopodite and endopodite is denticulate. The telson is triangular with an acute tip; its length is nearly equal to its basal width.

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 ranges from 9 to 15mm.

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)	