

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

For office use:

MARINE BIO RESOURCES

FORMS DATA ENTRY: Form- 1(general)

Fauna: <input checked="" type="checkbox"/>	Flora	Microorganisms
General Category: Invertebrata (Zooplankton) Pelagic amphipod		
Scientific name & Authority: <i>Scina submarginata</i> Tattersal, 1906 Common Name (if available):		
Synonyms:	Author(s)	Status
<i>Scina submarginata</i>	Tattersal	1906: 12
<i>Scina submarginata</i>	Wagler	1926: 367
<i>Scina submarginata</i>	Vinogradov	1964:135
<i>-marginata</i>	Garbowski	1896: 100
<i>-latipes</i>	Stephensen	1918: 32
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: Scinoidea	Family: Scinidae	
Genus: <i>Scina</i>	Species: <i>submarginata</i>	
Authority: Tattersal 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 1905</i> , No. 4, 39 pp.		
Geographical Location: Atlantic Ocean from 53° N, 15° W to 55°57' S, 16°15' E, Indian Ocean north of 30° S, Pacific Ocean from the southwestern part of the Bering Sea to 38°16' N, 143° 48' E. In the northern part of the Pacific Ocean it is found in catches from depths of 200-500, 500-750, and 1,000-4,000m but in the tropics found and at lesser depths, in catches from 40 and 150m.		
Latitude:	Place:	
Longitude:	State:	

Environment

Freshwater: Yes/ No

Habitat: Marine

Salinity:

Brackish: Yes/No

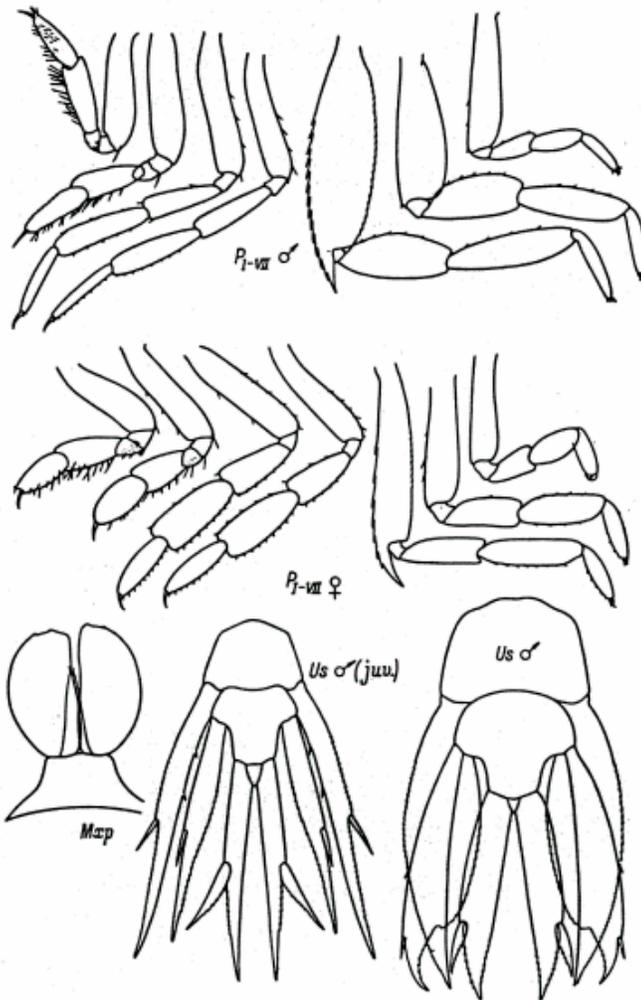
Migrations:

Temperature:

Salt Water: Yes/No

Depth range :

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



Scina submarginata Tattersall (after Wagler, 1926)

<p>DATA ENTRY FORM: No.:</p> <p>(Please answer only relevant fields; add additional fields if you require)</p> <p>Form- 1 Ref. No.:</p>	<p>Form –2 (Fish/ Shell fish/ Others)</p>	<p>Ref.</p>
IMPORTANCE		
<p>Landing statistics (t/y): from to Place:</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</p> <p>Period of availability: Throughout the year – yes/ no</p>	<p>Ref . No.:</p> <p>Details:</p> <p>If no, months:</p>	
SALIENT FEATURES:		
<p>Morphological:</p> <p>Diagnostic characteristics:</p> <p>The body is thickset and without keels. The mouth cone protrudes markedly. The eyes are well noticeable. The strong antennae I are shorter than the pereon.</p> <p>The outer lobes of the maxillipeds are broadly oval; the inner lobes are long, reaching 2/3-3/4 the length of the outer lobes, and armed with two small apical setae.</p> <p>The pereopods are short and strong. The 2nd segment of pereopods I is shorter than the 5th and 6th segments together; the 5th segment is not denticulate in the distal part of the anterior and posterior margins; the 6th segment is the same length as the 5th or shorter, oblong-oval, and not extended over the claw in the form of a long spine. The 5th segment of pereopods II is not denticulate in the distal part of the anterior margin; the 6th segment is oval, not denticulate on the posterior margin, and does not bear a distal spine. Pereopods III and IV are longer and thinner than the preceding pair; their 4th segment is shorter than the 5th; the claw is thin and slightly curved. Pereopods V are longer than pereopods III and IV; their proximal segments are rod-shaped or elongated-oval; the 2nd segment is coarsely denticulate on the anterior margin and finely denticulate on the posterior margin, its distal process long, straight or weakly curved; the 4th segment is shorter than the 5th. Pereopods VII are shorter than pereopods VI; the 5th segment of the last pair of pereopods is longer than the 4th or 6th segment. The width of the segments of the last three pairs of pereopods is highly variable but their claws are always short, strong, and falcate.</p> <p>The uropods are weakly armed; the exopodite of all the uropods is shorter than the basipodite. The posterior margin of uropods II is sharply bent at the level of attachment of the exopodite, so that the endopodite is tapered; the posterior margin of the endopodite of uropods II and III is denticulate. The telson is small, triangular, with a rounded or acute apex.</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: This species is close to *S. marginata*. In pereopods V the 2nd segment strongly varies in width, being particularly broad in sexually mature males, its anterior margin more strongly armed than in *S. marginata*, and the distal process longer.

Size and age:

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

Ref. No.:

Length of sexually mature animals 5-8mm.

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)	