

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

For office use:

MARINE BIORESOURCES

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

Fauna : <input checked="" type="checkbox"/>	Flora	Microorganisms
General Category : Invertebrata (Zooplankton), Pelagic amphipods		
Scientific name & Authority: <i>Lycaeopsis zamboangae</i> (Stebbing) Common Name (if available) :		
Synonyms:	Author(s)	Status
<i>Phorcorhaphis zamboangae</i>	Stebbing	1888, p.1452, pl.180
<i>Lycaeopsis zamboangae</i>	Spandl	1927, p. 213
Classification:		
Phylum: Arthropoda	Sub- Phylum: Mandibulata	
Super class:	Class: Crustacea	Sub- Class: Malacostraca
Super Order: Peracarida	Order: Amphipoda	Sub Order: Hyperidea
Super Family: Lycaeopsoidea	Family: Lycaeopsidae	Sub-Family:
Genus: <i>Lycaeopsis</i>	Species: <i>zamboangae</i>	
Authority: (Stebbing)		
Reference No.: Stebbing, T.R.R. 1888. <i>Report on the Amphipoda collected by H.M.S. Challenger during the years 1873-76.</i> 29: 1-1737, 210 pls.		
Geographical Location: Known from the Pacific Ocean(Kuroshio, the Philippines) and the Red Sea. It inhabits the upper layer of the pelagic. It is very rare in catches.		
Latitude:	Place:	
Longitude:	State:	

Environment

Freshwater: Yes/ No

Habitat:

Salinity:

Brackish : Yes/No

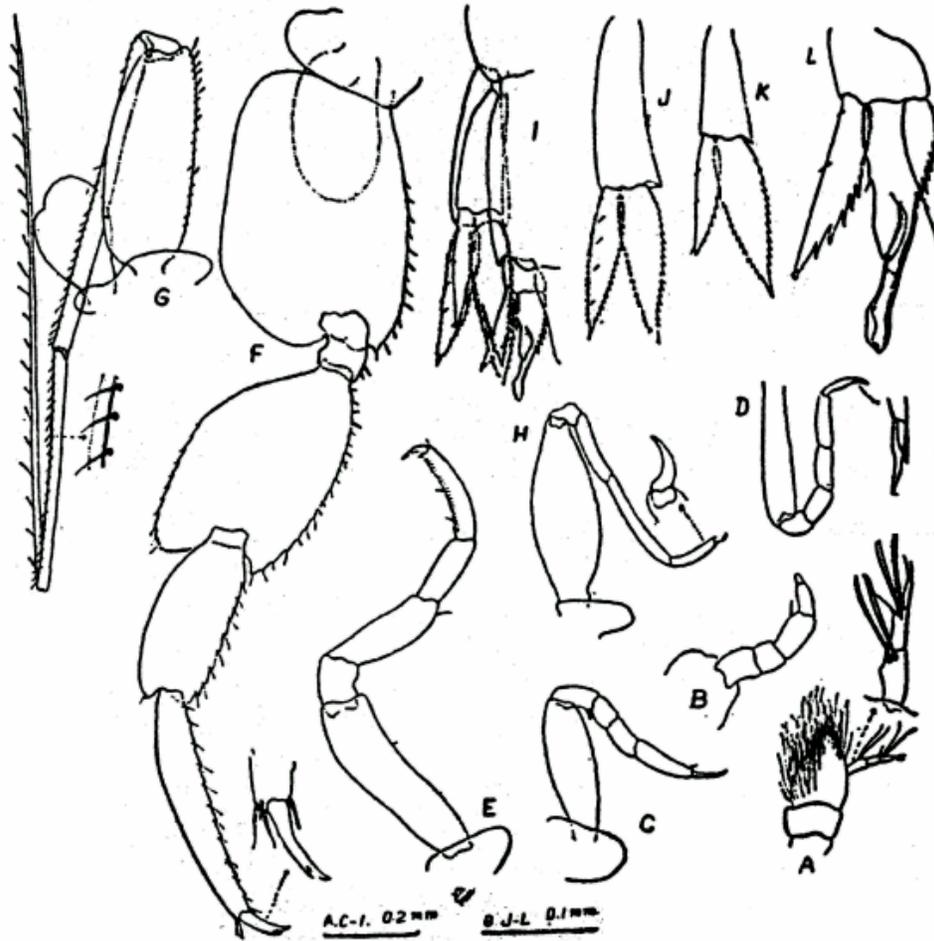
Migrations:

Temperature:

Salt Water : Yes/ No

Depth range :

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



Lycaeopsis zamboangae

A: Antenna 1; B: Antenna 2; C: Pereopod 1; D: Pereopod 2; E: Pereopod 4; F: Pereopod 6; G: Pereopod 5; H: Pereopod 7; I: Uropods and telson; J-L: Uropods 1-3.

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: First antenna of the male has the basal segment of the flagellum conically produced and hirsute , the rest of the flagellum originates far below the apex of the first segment . Second antenna is five–segmented, third segment carries a seta, and fifth segment is very small. Peraeopods one and two are very slender and non-chelate, second segment of first peraeopod is broader than that of second. Third and fourth peraeopods are rather stout, sixth segment has an inner row of microscopic setules. Fifth peraeopod is very characteristic, its second segment is elongate oblong with a row of short stiff setae along the upper border, segments four and five are slender and very long with fine setules along the outer border, fifth segment is only two –thirds as long as the fourth, sixth segment is longer than the two previous segments combined and is armed with scattered setae. Sixth peraeopod is also very characteristic, its second segment much flattened, fourth segment is flattened like the second but narrower, its ventral border is feebly serrate, upper border of sixth segment is prominently but sparsely serrate, sixth segment is armed like the fifth but slender and long ,seventh segment is apically cleft. Seventh peraeopod is complete but reduced in size, second segment is fairly broad, but the succeeding segments are slender, together exceeding the length of the second segment.	
First uropod slightly overreaches the tip of the telson, its peduncle is slightly longer than the rami, latter have serrate border .Peduncle of the second uropod is shorter than the inner ramus, borders of inner ramus are serrate, outer ramus is comparatively small ,its outer border is smooth . Third uropod is modified and considerably overreaches he telson. Peduncle is short but broad, outer ramus is prominently serrate along the inner border ,inner ramus has its outer border smooth and part of the inner border serrate ,distal part is bifid, outer lobe is blunt and ovate and the inner is prolonged into a long rod with slightly swollen tip .	
Sex attributes: Dimorphic	
Male: 1 st antenna well developed , female: 1 st antenna reduced.	
Descriptive characters:	

Meristic characteristics:

Feeding habit:

Main food:

Feeding type:

Additional remarks: Pirlot has described in detail the variations within this species due to difference in age and sex . Judging from his illustrations all the specimens in the present collection are males. There are a few immature specimens which appear to resemble the juveniles described by Pirlot. These specimens show conspicuous difference particularly in the shape of peraeopods five to seven and uropod three.

Size and age :

Maximum length (cm) (male/ female/ unsexed) : 2.5mm

Ref. No.:

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.:
SPAWNING INFORMATION: Locality: Season: Fecundity: Comment:	Main Ref:
MAJOR PUBLICATIONS (INDIAN): (include review articles, monographs, books etc.) Pillai, N.K., 1966a. Pelagic Amphipoda in the collections of the Central Marine Fisheries Research Institute, India, Part 1, Oxycephalidae. In <i>Proceedings of the Symposium on Crustacea, I. Marine. Biological. Association of India</i> : 169-204.	
LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.) Dr.K.K.C.Nair Scientist-In-Charge R.C. of NIO, Post Box-1616 Kochi – 682 014 Dr. N. Krishna pillai “Radhika” 65- Champaka Nagar Bakery Junction Trivandrum-695001	
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