

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 : √	Flora	Microorganisms
General Category : Invertebrata (Zooplankton), Pelagic amphipod		
Scientific name & Authority : <i>Lestrigonus bengalensis</i> Giles, 1887		
Common Name (if available) :		
Synonyms:	Author(s)	Status
<i>Lestrigonus bengalensis</i>	Giles	1887: 224
<i>Lestrigonus bengalensis (hyperia)</i>	Bovallius	1887: 224
<i>Lestrigonus bengalensis (Hyperia)</i>	Nayar	1959: 46
<i>Lestrigonus bengalensis</i>	Bowman	1973: 50
<i>-dysschistus (Hyperia)</i>	Stebbing	1888: 1381
<i>Lestrigonus bengalensis (Hyperia)</i>	Bovallius	1889: 204
<i>Lestrigonus bengalensis (Hyperia)</i>	Spandl	1924: 265
<i>-thoracica (Hyperia)</i>	Bovallius	1889: 233
<i>Lestrigonus bengalensis (Hyperia)</i>	Vosseler	1901: 73
<i>Lestrigonus bengalensis (Hyperia)</i>	Stephensen	1924: 91
<i>-gilesi (Hyperia)</i>	Bovallius	1889: 236
<i>-atlantica (Hyperia)</i>	Vosseler	1901: 67
<i>Lestrigonus bengalensis (Hyperia)</i>	Yang	1960: 28
<i>-latissima</i>	(non Bovallius)	(1889)
<i>Lestrigonus bengalensis (Hyperia)</i>	Barnard	1930: 410
Classification:		
Phylum: Arthropoda	Sub Phylum: Mandibulata	Sub Class:
Super class	Class: Crustacea	Malacostraca
Super Order: Peracarida	Order: Amphipoda	Sub Order: Hyperiidea
Super Family: Phronimoidea	Family: Hyperiididae	Sub-Family
Genus: <i>Lestrigonus</i>	Species: <i>bengalensis</i>	
Authority: Giles, 1887		
Reference No.: Giles G.M. 1887. Natural history notes from H.M. Indian Marine Survey Steamer "Investigator" on six new amphipods from the Bay of Bengal. <i>J. Asiatic Soc Bengal</i> , Vol. 56, (pt. 2), No. 2, pp. 212-229.		

Geographical Location: A circumtropical surfacial species moving into the coastal waters of continents or oceanic islands but also found in the central regions of tropical gyzes.

Latitude:

Place:

Longitude:

State:

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity :

Brackish : Yes/ No

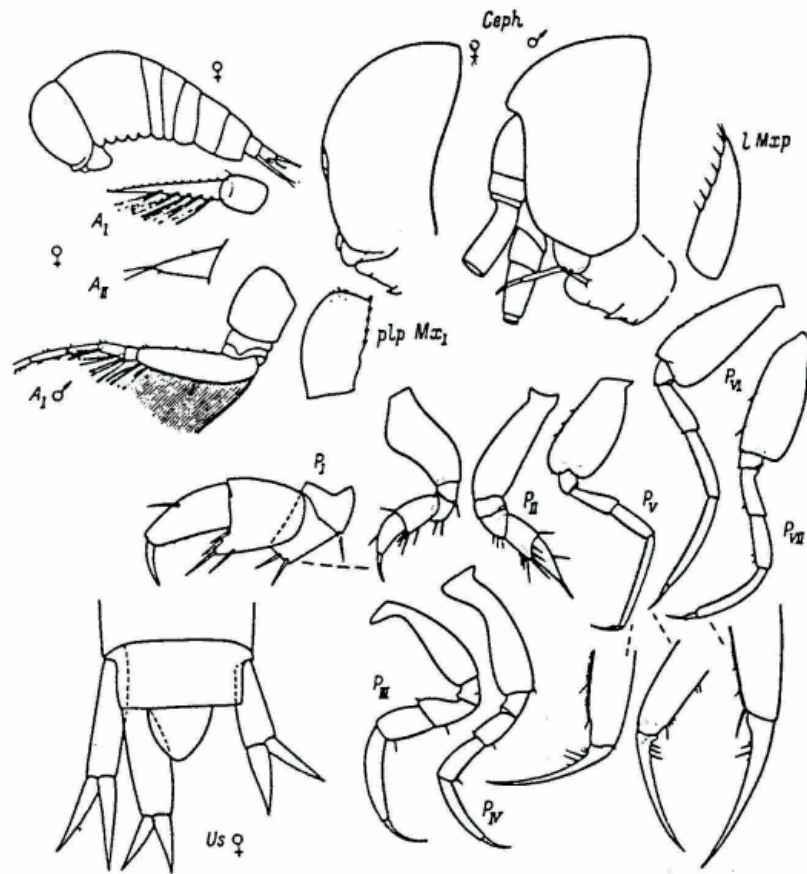
Migrations :

Temperature :

Salt water : Yes/ No

Depth range :

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



Lestrigonus bengalensis Giles (after Bowman, 1973)

DATA ENTRY FORM: Form- 2(Fish / shellfish / 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 length of the head in females is 1/ 2, in males 5/ 8 of its height. In females somites I-V of the pereon are fused and in males somites I-IV.

The cone of the antennal gland in females is directed forward and downward, covers the epistome and projects forward ; its apex is rounded and the lower edge is parallel to the body axis. The antennal gland in males is stretched downward in the form of a round plate. The mandibles have eight denticles on the cutting edge. The outer lobe of maxillae II has one subapical and two long apical spines; the inner lobe has a short apical spine. The 2nd segment of pereopods I has a humped anterior margin; the 5th segment has one-two spines on the posterior margin and three spines on the distal process; the 6th segment has one spine on the anterior margin. The distal process of the 5th segment of pereopods II is somewhat less than half the length of the 6th segment and has seven marginal spines. The 2nd segment of pereopods V-VII is comparatively broad and armed with two-four spines on the anterior margin; the 5th and 6th segments have a row of minute thin setae on the anterior margin. The claw of pereopods V is almost the same length as the claw of pereopods VI and VII. The 6th segment of pereopods VI and VII has a spine on the distal margin. The telson in females is somewhat longer than half, in males less than half the length of the basipodite of uropods III.

Sex attributes:

Dimorphic

Male: 1st antenna well developed, female: 1st antenna reduced.

Descriptive characters:

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks: The species is quite variable and the possibility is not excluded that the present collections comprise several independent species. In fact, those specimens which distinctly differ in ornamentation of the pereopods but have five (female) or four (male) fused somites of the pereon are now affiliated to *L. bengalensis*.

Size and age:

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

Ref. No.:

Length of males 2.8-3.4 mm, of females 2-2.5 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 relational ships:

Ref. No.:

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:
<p>MAJOR PUBLICATIONS (INDIAN): (include review articles, monographs, books etc.)</p> <p>K. Nagappan Nayar, 1959. Amphipoda of the Madras Coast, <i>Bulletin of the Madras Government Museum</i>, Vol. 6. No.3. p 1-79.</p> <p>LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.)</p> <p>Dr. K.K.C. Nair Scientist-In-Charge R.C. of NIO, Post Box-1616 Kochi – 682 014</p> <p>Dr. N. Krishna pillai “Radhika” 65- Champaka Nagar Bakery Junction Trivandrum-695 001 Email kkcnair@niokochi.org</p> <p>K. Nagappan Nair (Retd) Central Marine Fisheries Reaserch Institute, P.B.No. 1603, Cochin- 682 014</p> <p>ACKNOWLEDGEMENT: (List of persons who contributed, modified or checked information)</p>	