

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

MARINE BIORESOURCES

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

For office use:

Fauna : ✓	Flora	Microorganisms
General Category : Invertebrata (Zooplankton), Pelagic amphipod		
Scientific name & Authority : <i>Hyperietta stephensi</i> Bowman, 1973 Common Name (if available) :		
Synonyms:	Author(s)	Status
<i>Hyperietta stephensi</i>	Bowman	1973: 61
Classification:		
Phylum: Arthropoda	Sub Phylum: Mandibulata	Sub Class:
Super class	Class: Crustacea	Malacostraca
Super Order: Peracarida	Order: Amphipoda	Sub Order: Hyperiiidea
Super Family: Phronimoidea	Family: Hyperiidae	Sub-Family
Genus: <i>Hyperietta</i>	Species: <i>stephensi</i>	
Authority: Bowman, 1973 Reference No.: Bowman, T.E. 1973. Pelagic amphipods of the genus <i>Hyperia</i> and closely related genera (Hyeriidea: Hyperiiidea). <i>Smithson. Contribs. Zool.</i> , No. 136, 76 pp.		
Geographical Location: A warm-water circumtropical species which lives in the upper 200 m layer		
Latitude:	Place:	
Longitude:	State:	

Environment

Fresh water: Yes/ No

Brackish : Yes/ No

Salt water : Yes/No

Habitat : Marine

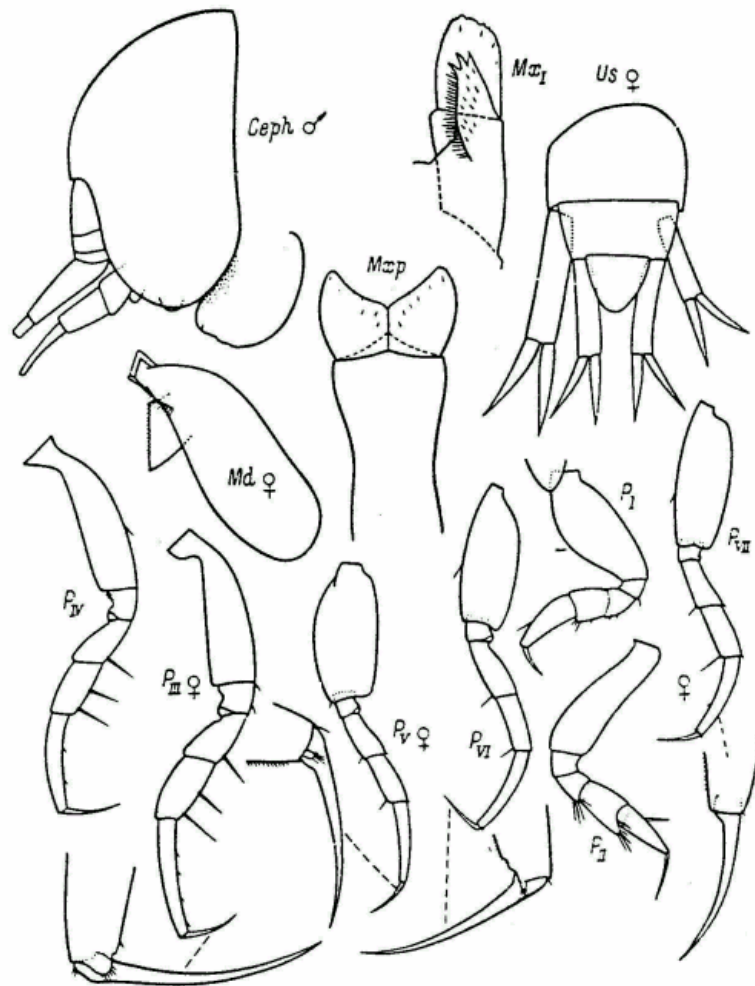
Migrations :

Depth range :

Salinity :

Temperature :

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



Hyperietta stephensi Bowman (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 height of the head is twice its length. Antennae I in females extend to the lower margin of the head. The antennal gland reaches the lower margin of the head, is round (lateral view), and separated from the epistome. The maxillipeds are the same as in *H. luzoni*.

The 2nd segment of pereopods I is 2.2 times longer than wide and its anterior margin convex in the proximal part and concave in the distal part; the 5th segment bears one spine on the posterior margin and three spines on the posterior distal angle; the 6th segment is three times longer than wide its anterior margin is armed with one spine in females and one-two spines in males. The 6th segment of pereopods II is similarly armed. Pereopods VI are somewhat longer than pereopods V and VII. The 2nd segment of pereopods V is slightly broader than in pereopods VI or VII; its anterior margin in pereopods V is convex without ornamentation, in pereopods VI and VII is almost straight and with one spine in females but two spines in males. The telson is somewhat shorter than its width at the base, its length somewhat more 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:

Size and age:

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

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 relational 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:
<p>MAJOR PUBLICATIONS (INDIAN): (include review articles, monographs, books etc.)</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>ACKNOWLEDGEMENT: (List of persons who contributed, modified or checked information)</p>	