

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>Hyperia curticephala</i> Vinogradov and Semenova, 1985 Common Name (if available): <table border="0"> <tr> <td>Synonyms:</td> <td>Author(s)</td> <td>Status</td> </tr> <tr> <td><i>Hyperia curticephala</i></td> <td>Vinogradov & Semenova,</td> <td>1985</td> </tr> </table>			Synonyms:	Author(s)	Status	<i>Hyperia curticephala</i>	Vinogradov & Semenova,	1985												
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Classification: <table border="0"> <tr> <td>Phylum: Arthropoda</td> <td>Sub Phylum: Mandibulata</td> <td>Sub- Class: Malacostraca</td> </tr> <tr> <td>Super class</td> <td>Class: Crustacea</td> <td>Sub Order: Hyperiidea</td> </tr> <tr> <td>Super Order: Peracarida</td> <td>Order: Amphipoda</td> <td>Sub-Family</td> </tr> <tr> <td>Super Family:</td> <td>Family: Hyperiidae</td> <td></td> </tr> <tr> <td>Phronimoidea</td> <td>Species : <i>curticephala</i></td> <td></td> </tr> <tr> <td>Genus: <i>Hyperia</i></td> <td></td> <td></td> </tr> </table>			Phylum: Arthropoda	Sub Phylum: Mandibulata	Sub- Class: Malacostraca	Super class	Class: Crustacea	Sub Order: Hyperiidea	Super Order: Peracarida	Order: Amphipoda	Sub-Family	Super Family:	Family: Hyperiidae		Phronimoidea	Species : <i>curticephala</i>		Genus: <i>Hyperia</i>		
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Phronimoidea	Species : <i>curticephala</i>																			
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Authority: Vinogradov, M. E. and T.N. Semenova. 1985 Reference No: Vinogradov, M. E. and T.N. Semenova. 1985. A new species of the genus <i>Hyperia</i> (Crustacea, Amphipoda) from the coastal waters of Peru/Zool. Zh., 64(1): 141-143 (In Russian)																				
Geographical Location: This species was collected mostly in association with the spheromedusid <i>Chrysaora plocamia</i> in the Pacific Ocean in the coastal waters of Peru (up to 200 miles from shore), in the area of the Nasca ridge, and in the Indian Ocean near the shores of southeastern Africa.																				
Latitude:	Place:																			
Longitude:	State:																			

Environment

Freshwater: Yes/ No

Habitat: Marine

Salinity:

Brackish: Yes/No

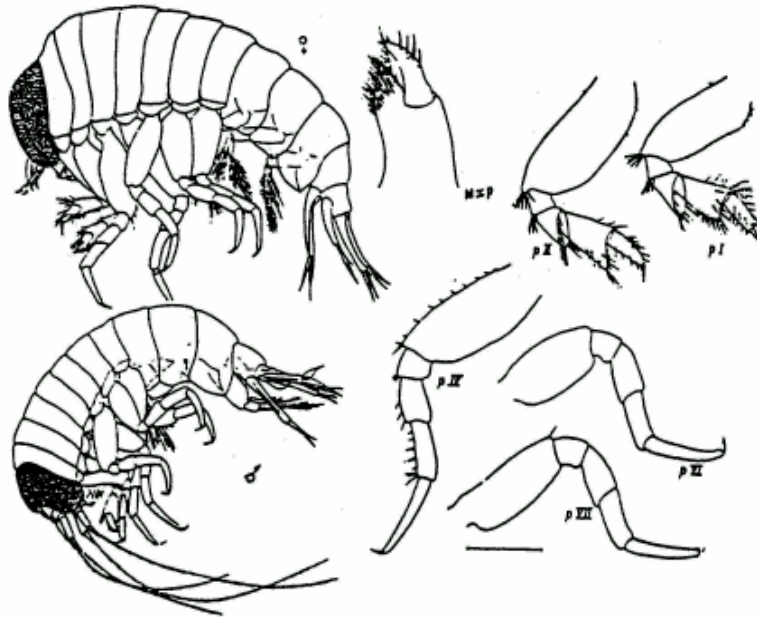
Migrations:

Temperature:

Salt Water: Yes/ No

Depth range :

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



Hyperia curdicephala (after Vinogradov and Semenova, 1985)

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:

H. curticephala is distinguished from other species in *Hyperia* by its particularly long head. By many other characters, it is very near to *H. leptura* and to a lesser extent to *H. bowmani*, although one can distinguish one from the other. From *H. leptura*, the difference is by the presence of two apical spines on the medial lamina of the maxilliped, strong distal widening of article 5 of pereopods I and, II greater length of the distal par of article 5 on pereopod II, pereopods III and IV are weakly equipped with spines, as are the edges of the epimere I and the apex of the telson. From *H. bowmani*, it differs by its smaller size, coloration, the relative elongation of articles on pereopoda III and IV by 4 to 5 times, the distally wider article 5 on pereopods II, very short claws on pereopods III and IV, and practically no armament on pereopods V and VI, which on *H. bowmani* are covered by dense rows of long submarginal or marginal bristles.

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.:

Sexually mature males, 11-12 mm; females, 10 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 relationships:

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="margin-left: 40px;"> <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> </div> ACKNOWLEDGMENT: (List of persons who contributed, modified or checked information)	