NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology Government of India, New Delhi

MARINE BIORESOURCES FORMS DATA ENTRY: Form- 1(general)

Fauna: √	Flora	Microorganisms			
General Category: Invertebrata (Zooplankton) Pelagic amphipod					
Scientific name &Authority Common Name (if available Synonyms: <i>Microphasmoides vitjazi</i>	r: <i>Microphasmoides vitjazi</i> V e): Author(s) Vinogradov 1	inogradov,1960 Status 960a: 214			
Classification: Phylum: Arthropoda Super class: Super Order: Peracarida SuperFamily Lanceoloidea Genus: <i>Microphasmoides</i> Authority: Vinogradov Reference No.: Vinogradov Reference No.: Vinogrado raionov Tikhogo okeana [pacific Ocean]. <i>Tr. In-ta Ok</i>	Sub- Phylum: Mandibulata Class: Crustacea Order: Amphipoda Family: Microphasmidae Species: <i>vitjazi</i> ov, M. E. 1960a. Hyperiidea Hyperiidea Physosomata of <i>eanol. ANSSR</i> , vol. 41 , pp. 19	Sub- Class: Malacostraca Sub Order: Hyperiidea Sub-Family a Physosomata tropicheskikh f the tropical regions of the 98-247.			
Geographical Location: Tropical regions of the Pacific and Indian oceans in the region of the Philippines, New Hebrides, and Japanese deepwater trenches. It is found in catches from depths of 500-2,000 m and in through catches from depths of 1,700 m and more to the surface. Latitude : Place : Longitude : State :					

For office use:





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/ v	west
Importance to fisheries:			
Main catching method:			
Used for aquaculture: yes/ never/ rare	ly		
Used as bait: yes/no/ occasionally			
Aquarium fish: yes/ no/ rarely			
Game fish: yes/ no			
Dangerous fish: poisonous/ harmful/ h	narmless		
Bioactivity: locally known/ reported/	not known		Details:
Period of availability: Throughout the	e year – yes/	' no	If no, months:

SALIENT FEATURES:

Morphological:

Diagnostic characteristics:

The color of unfixed crustaceans is cherry-red.

The flagellum of antennae I is less than 1.5 times longer than the peduncle, its proximal segment five times longer than the three distal segments together. Antennae II are slightly shorter than antennae I, seven-segmented, the vesicularly bulging 2nd segment slightly longer than the remaining part of the antenna.

The mandibles have a weak, thin palp that is nearly equal in length to the mandibular body. The outer lobe of maxillae I has a straight truncated edge armed with seven spines for the distal margin; the inner lobe is small, oval; the palp slightly narrows distally. The maxillipeds have a fairly large inner lobe, almost reaching half the length of the outer lobe.

Coxal plates I-V have a slightly stretched, roundish lower anterior angle; coxal plates VI-VII are oval.

In percopods I the 5th segment is equal to the 6th. Percopods II are identical in structure but slightly longer; the 5th and 6th segments are equal; the claw is long and strong. Percopods III are more than 1.5 times longer than percopods II, their 2nd segment is almost equal to the 4th and 5th segments together; the narrower 6th segment is almost twice longer than the 4th; the claw is long, strong, and slightly curved. Percopods IV are longer than percopods III because of the greater length of the distal segments. Percopods V are shorter than IV but the distal segments (particularly the 6th) are markedly massive; the 2nd segment is equal to the 4th and 5th together and slightly longer than the 6th; the 6th segment is very broad, almost linear and forms with the claw a well-developed subchela; its palmate margin is shorter and steeper than in the *Microphasma* and armed with a row of strong, short setae, increasing in size in the distal part of the row; the length of the strong curved claw is less than the width of the 6th segment is equal to the 4th and 5th together and sightly part of the row; the length of the strong curved claw is less than the width of the 6th segment is equal to the 4th and 5th together and sightly part of the row; the length of the strong curved claw is less than the width of the 6th segment is equal to the 4th and 5th together and sightly parts by the length of the strong curved claw is less than the width of the 6th segment is equal to the 4th and 5th together and sightly parts by the equal to the 4th and 5th together and sightly by the length of the segment. Percopods VI are slightly shorter than percopods V and much weaker; their 2nd segment is equal to the 4th and 5th together and slightly longer than the markedly distally narrowing 6th segments; the claw

is long, strong , and curved. Pereopods VII are the same in structure and length ratios of segments as pereopods VI but only 2/3 their length.

The uropods have lanceolate, acute, and denticulate rami. The telson is triangular with an obtuse tip; it reaches 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	
Fooding habit:	
Main food:	
Feeding type:	
Additional remarks:	
Size and age:	
Maximum length (cm) (male/ female/ unsexed)	Ref. No.:
Length of sexually immature specimens 5 to 6mm.	
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:	Ref. No.:			
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.) 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				
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ACKNOWLEDGMENT: (List of persons who contributed, modified or checked information	n)			

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