

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>Mimonecteola diomedea</i> Woltereck, 1909 Common Name (if available): Synonyms: Author(s) Status <i>Mimonecteola diomedea</i> Woltereck 1909 :153 <i>Mimonecteola diomedea</i> Vinogradov 1964: 120 - beebei (non Shoemaker 1945a:124) - beebei Vinogradov 1960a:212 - beebei (non Vinogradov 1956: 199, 1957:204).		
Classification: Phylum: Arthropoda Sub- Phylum: Mandibulata Super class: Class: Crustacea Sub- Class: Malacostraca Super Order: Peracarida Order: Amphipoda Sub Order: Hyperidea Super Family: Lanceoloidea Family: Microphasmidae Sub-Family Genus: <i>Mimonecteola</i> Species: <i>diomedea</i> Authority: Woltereck Reference No.: Woltereck, R.1909. Amphipoda. Reports on the scientific results of the expedition to the Eastern Tropical Pacific... by the U.S. Fish. Comm. Steamer "Albatross" from October 1904 to March 1905. <i>Bull. Mus. Comp. Zool. Harvard</i> , vol. 52, No. 9, pp. 145- 168.		
Geographical Location: Pacific Ocean (coast of Peru, the Solomon Sea; 40°21' S 158° W); Indian Ocean north of Madagascar and in the central part (10° S, 86° 30') Found in through catches from depths greater than 1,000m to the surface. Latitude: Place: Longitude: State:		

Environment

Freshwater: Yes/ No

Habitat: Marine

Salinity:

Brackish: Yes/No

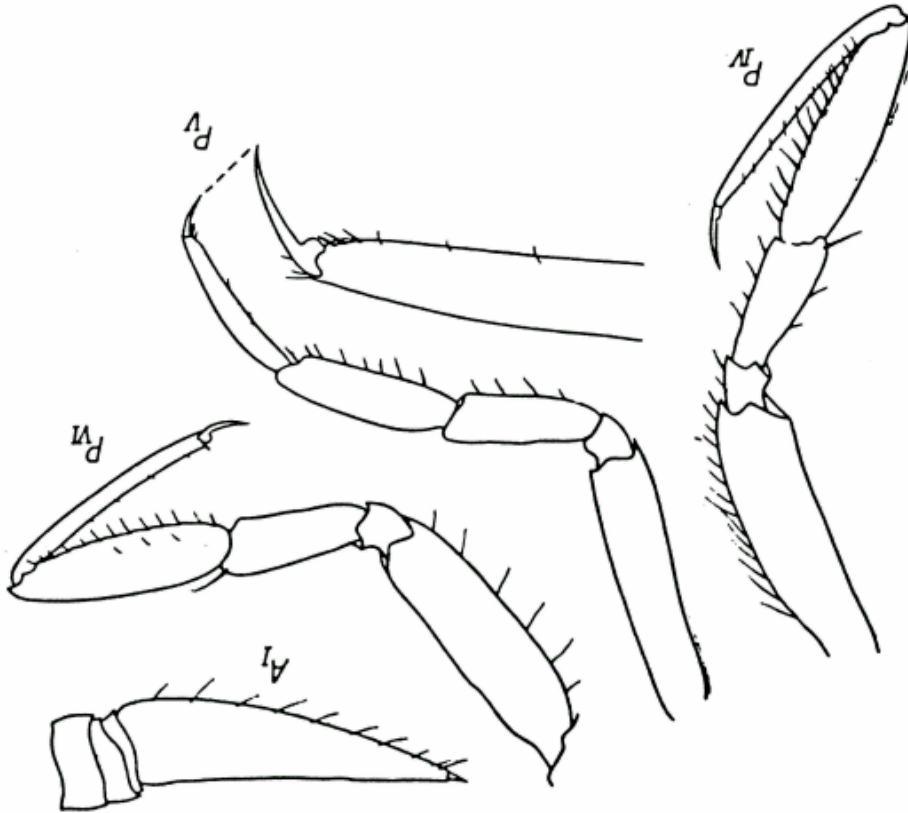
Migrations:

Temperature:

Salt Water: Yes✓/ No

Depth range :

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



Mimonecteola diomedae Woltereck, female (after Vinogradov, 1964).

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:

Pereopods IV; the 6th segment is slightly longer than the 5th and slightly narrows distally; the 5th segment is oblong-oval; the claw is 2/9-1/4 the length of the 6th segment. Pereopods V; the 6th segment is equal to the 5th in length and nearly 2/3 of the 2nd segment, narrowly conical, slightly narrowing distally, its distal end broader than the claw base, slightly obtuse and bearing several strong setae; the 5th segment is longer than the 4th; the claw is straight, 2/9-1/13 the length of the 6th segment. Pereopods VI; the 6th segment is insignificantly longer than the 5th and almost twice longer than the 4th; the 5th segment is oblong-oval; the 7th segment is 1/4 the length of the segment.

The telson reaches half the length of the basipodite of uropods III but may vary in length somewhat.

Sex attributes:

Dimorphic

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

Descriptive characters:

Meristic characteristics:

Feeding habit :

Additional remarks: This species, considered the type species of the genus, was very briefly described and schematically and inaccurately illustrated by Woltereck. Hence, in the description given above, based on a study of the new material from the India Ocean, certain details do not correspond with the illustration provided by Woltereck.

Size and age:

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

Ref. No.:

Length of sexually mature specimens 10 to 12mm.

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. 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</p> </div>	
ACKNOWLEDGMENT: (List of persons who contributed, modified or checked information)	