

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 : <input checked="" type="checkbox"/>	Flora	Microorganisms
General Category : Invertebrata (Zooplankton), Copepoda		
Scientific name & Authority : <i>Undinella brevipes</i> Farran, 1908 Common Name (if available) :		
Synonyms:	Author(s)	Status
<i>Undinella simplex</i>	Wolfenden	1906
<i>Undinella brevipes</i>	Farran	1908
Classification:		
Phylum: Arthropoda	Sub- Phylum	
Super Class :	Class : Crustacea	Sub- Class: Copepoda (Milne-Edwards,1840)
Super Order: Gymnoplea	Order: Calanoida (Sars1903)	Sub Order :
Super Family:	Family : Tharybidae	Sub-Family:
Genus : <i>Undinella</i>	Species : <i>brevipes</i>	
Authority: Farran		
Reference No.:		
Farran, G.P., 1908. Second report on the Copepoda of the Irish Atlantic Slope. <i>Scientific Investigations of the Fisheries Branch, Ireland, 1906 2: 1-104.</i>		
Geographical Location:		
This species has been recorded from the North Atlantic.		
Latitude: 25°N to 30°S		Place: Indian Ocean
Longitude: 20°E to 120°E		State:

Environment

Fresh water: Yes/ No

Habitat : Marine

Salinity : >35‰

Brackish : Yes/ No

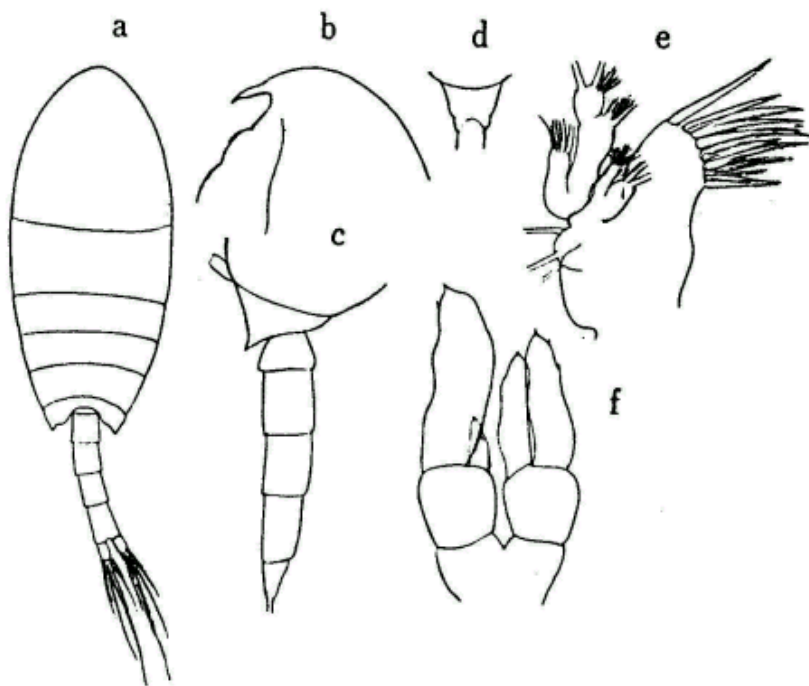
Migrations :

Temperature : <15°C

Salt water : Yes✓ / No

Depth range : 1000-0 m

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



Undinella brevipes (After Tanaka, 1960)

Immature male: a – dorsal aspect; b – prosome, lateral aspect;
c – last pedigerous segment and abdomen, lateral aspect;
d – rostrum, anterior aspect; e – 1st maxilla; f – 5th pair of legs.

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: Male Copepodid stage V: The abdomen is contained 2.6 times in the length of the cephalothorax . The body oblong ovate. The prosome separates from the 1 st pedigerous segment ; the 4 th and 5 th pedigerous segment are separate. The lateral distal corner of the last pedigerous segment is produced into an acute point. The rostrum hollowed at the apex, with 2 slender filaments attached to the distal end. The urosome 4-segmented. The 1 st antenna 24-jointed, reaches back about to the end of the 3 rd pedigerous segment ; the joints 8 and 9 are fused. The 1 st maxilla reduced, with 4 setae on the exopodite. The other mouth parts as described by Farran. The 5 th pair of legs undeveloped, asymmetrical; the exopodite and endopodite 1-jointed; the exopodite of the right leg longer than that of the left; the endopod of the right leg small.	
Sex attributes: Descriptive characters:	

Meristic characteristics:

Feeding habit:

Main food :

Feeding type :

Additional remarks:

Acute distal margins of the last thoracic segment are the characteristic which separate the present species from the other members of the genus. The adult female recorded by Farran measured 1.60 mm in total length, and has last thoracic segment completely fused with the preceding.

Size and age:

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

Male: 1.34 mm

Ref. No.:

Tanaka, 1960

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:	Ref. No.:
Characteristics:	
Abundance:	
Biochemical aspects:	
Proximate analysis: moisture/ fat/ protein/ carbohydrate/ash	Ref. No.
Electrophoresis:	Ref. No.
SPAWNING INFORMATION:	
Locality:	Main Ref:
Season:	
Fecundity:	
Comment:	
MAJOR PUBLICATIONS (INDIAN): (include review articles, monographs, books etc.)	
Madhupratap, M. and P. Haridas, 1986. Epipelagic calanoid copepods of the Northern Indian Ocean. <i>OCEANOLOGICA ACTA</i> , 9 (2): 105-117.	
LIST OF INDIAN EXPERTS (Name, address, phone, fax, e-mail etc.)	
<p>Dr. P.Haridas Scientist National Institute Of Oceanography Regional Centre, Kochi – 682 014 Phone – 2390814. E mail-hari@niokochi.org</p>	
<p>Dr. M.Madhupratap Scientist BOD, National Institute of Oceanography Dona Paula, Goa-403 004. Phone – 2221322 E mail- madhu@csnio.ren.nic.in</p>	
ACKNOWLEDGEMENT: (List of persons who contributed, modified or checked information)	