

NATIONAL BIORESOURCE DEVELOPMENT BOARD

Dept. of Biotechnology
Government of India, New Delhi

For office use only

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 : Vertebrate (Zooplankton) Fish larvae		
Scientific name & Authority: <i>Cynoglossus monopus</i> Bleeker, 1866 - Adult Common Name (if available) :		
Synonyms:	Author (s)	Status
<i>Plagusia monopus</i>	Bleeker	1848, 49
<i>Plagusia melanopetrus</i>	Bleeker	1850, 52
<i>Arelia ceratophrys</i>	Kaup	1858
<i>Arelia melanopterus</i>	Bleeker	1859
<i>Cynoglossus melanopterus</i>	Gunther	1862
	Alcock	1889
<i>Cynoglossus monopus</i>	Bleeker	1866
	Alcock	1896
Classification:		
Phylum: Vertebrata	Sub- Phylum	
Super Class : Pisces	Class : Osteichthyes	Sub- Class:
Super Order: Teleostei	Order: Pleuronectiformes	Sub Order :
Super Family:	Family : Cynoglossidae	Sub-Family:
Genus : <i>Cynoglossus</i>	Species : <i>monopus</i>	
Authority: Bleeker		
Reference No.		
Bleeker, 1866. Atl. Ichth. , VI, p. 38, Pleuron, pl.xiv, fig.4.		
Geographical Location:		
Arabian Sea		
Latitude: 09° 28' 10" - 09° 50' 55" N	Place:	
Longitude: 75° 49' 20" - 76° 14' 00" E	State:	

Environment

Fresh water : Yes/ No

Habitat :

Salinity : 31-34 PSU

Brackish : Yes/ No

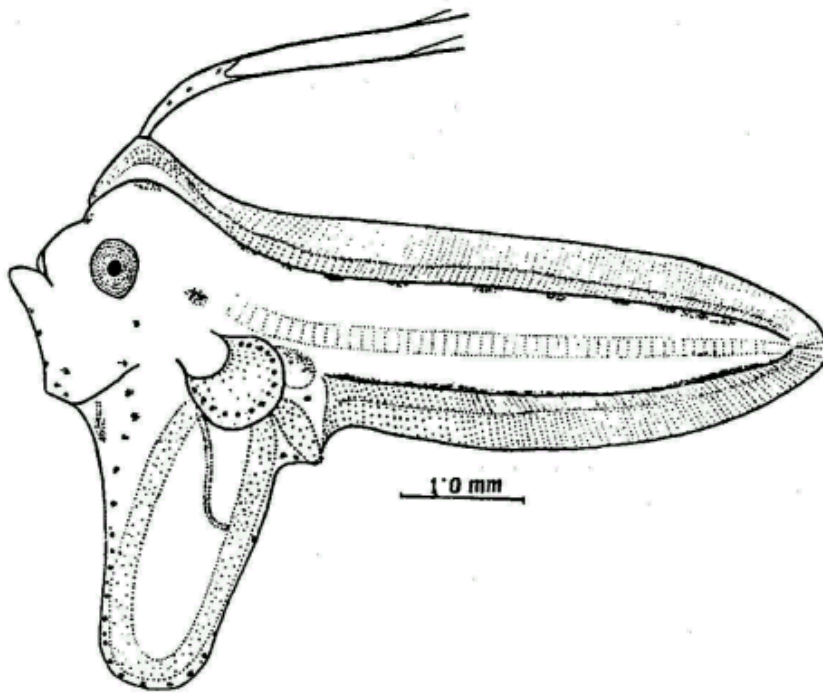
Migrations :

Temperature : 25-28 °C

Salt water : Yes/ No

Depth range :

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



Cynoglossus monopus Bleeker, 7.0 mm from Balakrishnan, 1963

DATA ENTRY FORM: Form- 2 (Fish / shellfish / others)
(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: See first column of last page

Diagnostic characteristics: - “ “

Sex attributes:

Descriptive characters: “ “

Meristic characteristics : Dorsal fin rays 110-119, Anal fin rays 85-98, Vertebrae

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 relationships:

Eggs and larvae: Ref. No.:
Characteristics:

The body is thin, transparent and flattened with a dagger shaped caudal portion. Eyes are symmetrical and black. The lower jaw is prominent and projects beyond the upper. The intestinal loop is circular and placed in the middle of the body cavity. Two filamentous rays at the anterior end of the dorsal fin fold, supported by the first interneural spine, whose distal ends are split. Dark brown pigment patches are seen on the auditory vesicles, at the roof of the skull above the optic lobes of the brain and on the dorsal border of the swim bladder. There are 9 patches of similar pigments along the dorsal body wall ; of the 9 patches, the posterior most is the biggest and seems to be characteristic of the group. Black pigment spots are present on almost all the caudal myotomes as also on the ventral aspect of the abdomen. There are 110-119 dorsal fin rays and 85-98 anal fin rays.

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.)

Balakrishnan, K.P., 1963. Fish eggs and larvae collected by the Research Vessel *Conch*.
Bull. Dept. Mar. Biol. Oceanogr. Univ. Kerala. Vol., 1., p. 81-96.

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ACKNOWLEDGEMENT:

(List of persons who contributed, modified or checked information)