

समुद्री मात्स्यिकी सूचना सेवा: समुद्री मात्स्यिकी पर आधारित अनुसंधान परिणामों को आयोजकों, मत्स्य उद्योगों और मत्स्य पालकों के बीच प्रसार करना और तकनीकी क्रा प्रयोगशाला से श्रमशाला तक हस्तांतरित करना इस तकनीकी और विस्तार अंकावली का लक्ष्य है।

The Marine Fisheries Information Service : Technical and Extension Series envisages dissemination of information on marine fishery resources based on research results to the planners, industry and fish farmers, and transfer of technology from laboratory to field

Abbreviation - Mar Fish Infor Serv, T & E Ser, No. 166 : October, November, December 2000

CONTENTS अंतर्वस्तु

Article No.	Article Title	Pages
943	Prawn fishery of Cuddalore, northern Tamilnadu coast with special reference to long-term changes	1
944	On the fishery of the white prawn <i>Penaeus indicus</i> from the trawling grounds off Tuticorin	12
945	Likely impact of sea urchin removal as by-catch on lobster resources in the Gulf of Mannar	15
946	Landing of large-sized Koth <i>Otolithoides blauritus</i>	17
947	On the unusual landing of pomfret at Muthuvaduganathanpattinam along the Palk Bay	18
948	Bombay duck, <i>Harpodon nehereus</i> caught off Calicut	19
949	On a green turtle <i>Chelonia mydas</i> washed ashore at Minicoy Island, Lakshadweep	19
950	On the strading of Risso's dolphins and a sea cow along the Tuticorin coast on Gulf of Mannar	20
943	उत्तर तमिलनाडु तट पर स्थित कूडल्लूर की झींगा मात्स्यिकी - दीर्घकालीन परिवर्तनों के विशेष संदर्भ में	21
944	टूटिकोरिन के आनाय तल के श्वेत झींगा <i>पेनिअस इन्डिकस</i> की मात्स्यिकी	27
945	मान्नार की खाड़ी में समुद्री अर्चिनों का निष्कास	29
946	बोटमसेट गिलजालों में बृहत् आकार के "कोत" <i>ओटोलिथोइड्स बाइरिट्स</i> का अवतरण	30
947	पाक खाड़ी पर मुत्तुवडुगनाथपट्टनम में पॉम्फ्रेट का असाधारण अवतरण	31
948	कालिकट से पकड़ा गया बम्बिल <i>हार्पोडॉन नेहेरियस</i>	32
949	मिनिकोय द्वीप में एक हरित कच्छप <i>कीलोनिया मिडास</i> का धंसना	32
950	मान्नार की खाड़ी पर टूटिकोरिन तट में रिससोस डॉलफिन और एक समुद्री गाय का धंसना	32

Front cover photo

Penaeus semisulcatus, a rare but highly sought after marine prawn occurring along the Indian coasts. Picture taken at the Fisheries Harbour at Neendakara, Quilon District, Kerala.

मुख आवरण चित्र : भारतीय तटों में दिखाये जानेवाला विरल पर महंगा समुद्री झींगा पेनिअस सेमिसुलकाटस - नीडकरा से पकड़ा का एक दृश्य

landing centre. On the day, a total of about 90 trawlers were operated among which the pomfret catch was observed in 60% of the units. The catch varied from 3-50 kg with an average of 17 kg. They were caught at a distance of 20 km in the east direction from the shore and at a depth of 13 m. This is an unusual phenomenon and so far there was no landings of pomfret in such magnitude at this fish landing centre. The length of the specimen ranged from 15-20 cm and weighed 250-800 g. The price fetched was Rs 100 00 per kg.

Reported by K. Muthiah, Regional Centre of CMFRI, Mandapam Camp-623 520, India.

* * * * *

948 Bombay duck, *Harpodon nehereus* caught off Calicut

On 16th August 1999, one specimen of *Harpodon nehereus* (Bombay duck) was landed in Chalavala, a gill net operated at a depth of 2 to 3 metres off Quilandy in Calicut. The net was being operated in the afternoon using a dugout canoe. The fish was landed along with a few species of carangids and crabs. The fish measured 215 mm with a standard length of 177 mm. There is no previous record of Bombay duck caught from Malabar area. The specimen is preserved in the museum of Calicut Research Centre of Central Marine Fisheries Research Institute.

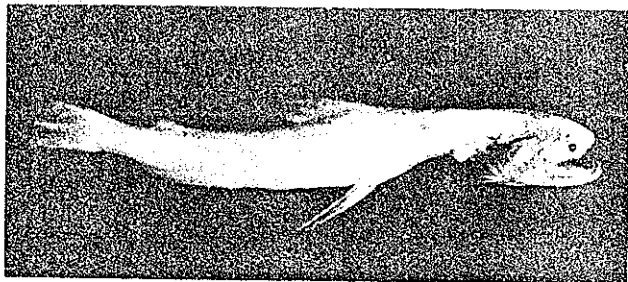


Fig 1. The Bombay duck.

Reported by C K Krishnan, Calicut R. C. of CMRI, West Hill P. O., Calicut-673 005, India

* * * * *

949 On a green turtle *Chelonia mydas* washed ashore at Minicoy Island, Lakshadweep

A green turtle was washed ashore on 10-8-'98 about 1 km south of the Lakshadweep Harbour Works at Minicoy. Carapace had a cut measuring 25 cm which had cracked the anterior portion of the carapace. The ventral side also had an injury at the neck and the internal parts were exposed. The injury may have been caused by a boat propeller. The morphometric measurements (in cm) are given below.

Total length	150
Carapace length	92
Carapace width	81
Plastron length	70
Plastron width	61
Anterior flipper length	47
Posterior flipper length	36
Head width	14
Weight (Approx. in kg)	100
Sex	Male



Fig 1. *Chelonia mydas* washed ashore at Minicoy.

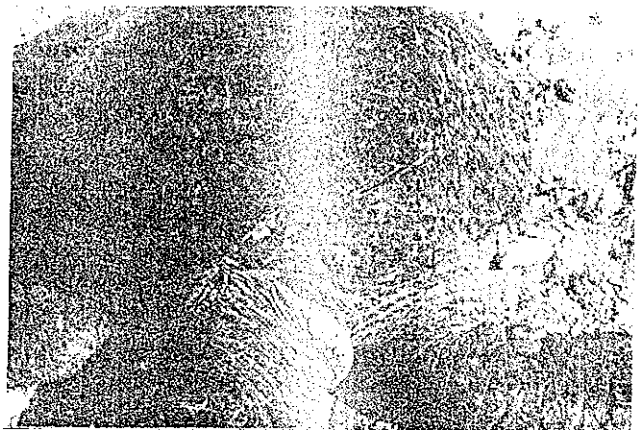


Fig 2. Injury and cracks on the carapace.

Information on the landings and beaching of turtles from Lakshadweep are rare. Out of the four species of turtles found in Lakshadweep, *Chelonia mydas* is common with the distribution throughout the Archipelago. Nesting islands for this species are Suheli Cheriyakara and Valiyakara, Bangaram, Tinnakara and Parali and the primary nesting period is June-September (Bhaskar 1984, *CMFRI Spl. Publ.*, No. 18, 21-35). At Minicoy, this species is reported to have nested in thousands in the past. Presently, the nesting area has been considerably reduced due to human inhabitation. However, sightings of egg laying females have been reported from the southern and northern ends of the island. A mating pair was noticed close to the shore on the northern side on 15.10.98. Some nests were noticed at this site but they did not contain any eggs. The islanders believe that the eggs are consumed by crabs which burrow into the pit.



Fig 3. Wound on ventral side at the base of neck

Reported by: A.K.V. Nasser and C.N. Haneefa Koya,
Minicoy Research Centre of CMFRI, Minicoy,
Lakshadweep.

* * * * *

950 On the stranding of Risso's dolphins and a sea cow along Tuticorin coast in Gulf of Mannar

On 26.6.99 one Risso's dolphin *Grampus griseus* was accidentally caught by drift gill net operated off Punnakkayal at a depth of 10-15m. The specimen was a female measuring 2.63m and

weighing approximately 210 kg. There are no earlier reports on the stranding of the species along the Gulf of Mannar.

Again on 12.99 one more dolphin of the same species having 1.87m and weighing roughly 65 kg was found stranded at Tuticorin Fishing Harbour. Few bruises and deeper wounds were seen on the body. Morphometric measurements of both the specimens are presented in Table 1.

A male sea cow *Dugong dugon* measuring 1.21m in length and weighing approximately 30 kg was accidentally caught on 14.1.2000 at a depth of 30-40m in drift gill net (*Paru valai*) operated off Tharuvailikulam, a fishing village, 15 km north of Tuticorin. Few of the Morphometric measurements were collected and are presented in Table 1.

TABLE 1. Morphometric measurements (cm) of *Grampus griseus* stranded at Punnakkayal and Tuticorin and *Dugong dugon* stranded at Tharuvailikulam

Particulars	(Dolphin)		Seacow)
Total length	263	187	121
Snout to origin of dorsal	125	89	-
Snout to eye	34	29	15
Snout to blow hole	46	36	-
Snout to origin of flipper	47	38	37
Length of upper jaw	29	22	-
Length of lower jaw	27	21	-
Eye diameter	3.5	3	-
Inter orbital distance	54	39	19
Snout to genital opening	171	97	-
Snout to anal opening	179	111	73
Girth at dorsal	116	77	-
Girth at genital opening	59	34	-
Girth at flipper	106	81	-
Number of teeth on upper jaw	NIL	NIL	-
Number of teeth on lower jaw	3+3	NIL	-
Dorsal base and height	28.42	25.32	-
Inner curvature of dorsal	24	18	-
Flipper length	-	-	21
Flipper base and height	19.546	12.36	-
Inner curvature of flipper	29	27	-
Length of caudal fluke end to end	64	40	-
Sex	Female	Female	Male
Approximate weight (kg)	210	65	30

Reported by: T.S. Balasubramanian and D.C.V. Easterson, TRC of CMFRI, Tuticorin-628 001, India.