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केन्द्रीय समुद्री मात्स्यकी CENTRAL MARINE FISHERIES  
अनुसंधान संस्थान RESEARCH INSTITUTE  
कोचिन, भारत COCHIN, INDIA

भारतीय कृषि अनुसंधान परिषद  
INDIAN COUNCIL OF AGRICULTURAL RESEARCH

## ON THE LANDING OF LARGE SIZED HAMMER HEAD SHARK *SPHYRNA LEWINI* AT TUTICORIN\*

A large sized female hammer head shark *Sphyrna lewini* (Cuvier, Griffith and Smith, 1834) locally called 'Kombu sorrah' measuring 4 m in total length and weighing 520 kg was caught by hooks and line (No. 7 'disco thoondil') off Tuticorin from a depth of 100 m on 30.3.'93 (Fig. 1). The important morphometric measurements taken are presented in Table 1.

TABLE 1. Morphometric characters of Hammer head shark *Sphyrna lewini*

	Measurements (mm)
Total length (snout to tip of upper lobe)	4010
Standard length (snout to caudal fork)	3100
Snout to first dorsal	1220

<b>First dorsal fin</b>	
Height	770
Breadth	390
Outer curve length	715
Inner curve length	73
Distance between first dorsal & second dorsal fin	882
<b>Second dorsal fin</b>	
Height	250
Breadth	160
Outer curve length	370
Inner curve length	195
Snout to pectoral fin	882
<b>Pectoral fin</b>	
Height	620
Breadth	240

\*Reported by : S. Rajapackiam, T. S. Balasubramanian, K. M. S. Ameer Hamsa and H. Mohamad Kasim, Tuticorin Research Centre of CMFRI, Tuticorin - 628 001.

Curve	580
Distance between pectoral and pelvic	883
<b>Pelvic fin</b>	
Height	370
Breadth	320
Curve	400
Distance between pelvic and anus	286
<b>Anal fin</b>	
Height	250
Breadth	230
<b>Caudal fin</b>	
Upper lobe	1092
Lower lobe	490
Snout to mouth	210
Width of mouth	400
Mouth curve length	490
Snout to first gill opening	702
Snout to eye	470
Eye diameter (horizontal)	44
Eye diameter (vertical)	31
Snout to spiracle	400
Body height at first dorsal	896
Body height at pectoral	533

Body height at pelvic	814
Body height at anal	530
Body height at caudal notch	300



Fig. 1. Dorsal view of the Hammer head shark *Sphyrna lewini* landed at Tuticorin.