

Annex 10/2: Identification Results

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IDENTIFICATION OF FISHES

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PRESENTED ON THE REGIONAL TRAINING/ WORKSHOP ON
IDENTIFICATION OF DEEP SEA FISHES

SEAFDEC/TRAINING DEPARTMENT
THAILAND

SPECIMENS

- Area : sea waters of Brunei
- Date : 27 March 2009
- Ship name : MV. SEAFDEC 2
- Fishing method : beam trawl
- Lat : 05°19.30 N – 05°17.50 N
- Long : 114°16.60 E – 114°15.00 E
- Depth : 112 m
- Result : 14 species were identified + photos

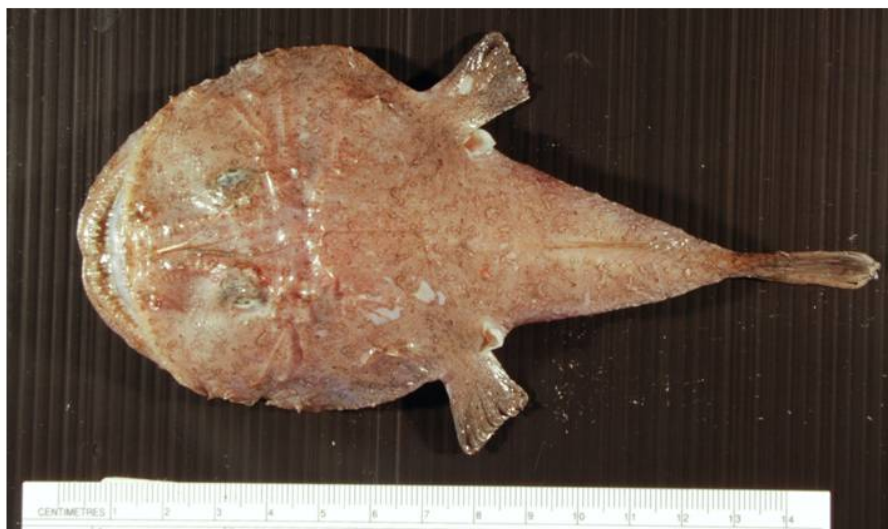


ID SEAFDEC : 00052
 Family name : Nemipteridae
 Scientific name : *Nemipterus rifulum*

Standard length = 120.6 mm
 Body depth = 40 mm
 Dorsal fin = X , 9
 Anal fin = III , 7

Remarks :

1. A line drawn upward from posterior edge of suborbital reaching the dorsal profile at or behind origin of dorsal fin
2. Caudal fin often with filamentous extension(s)
3. total gill rakers on first gill arch 10 to 16



ID SEAFDEC : 00053
 Family name : Lophiidae
 Scientific name : *Lophiodes* sp.

Standard length = 130 mm
 Dorsal fin = II – I – II , 7
 Principal caudal fin rays = 6

Remarks :

1. Anterior end of gill slit not extending over origin of pectoral fin
2. Humeral spine simple
3. Spinous dorsal fin < 5
4. Third cephalic dorsal fin spine very short (1.4% of SL)



ID SEAFDEC : 00060

Family name :
Peristediidae

Scientific name :
Satyrichthys riefleli

Std length = 126 mm
Dorsal fin = VII – 17



Remarks :

1. Preopercular spine long well visible in dorsal view
2. Head large, with long preopercular spine and long flattened rostral process
3. Filamentous barbels moderately long 15% of standard length
4. Anal-fin rays 17 : mostly reddish with dark spots on head and dorsal



ID SEAFDEC : 00066
Family name : Triglidae
Scientific name : *Pterygotrigla* sp.

Std length = 152 mm
Head length = 55 mm
Body depth = 37 mm

Remarks :

1. Pectoral fins with 3 free lower soft rays:
Body and tail coverage with scales,
2. Bony plates only along base of first dorsal fin
3. Scales small, more than 60 rows along lateral line

Pectoral fin = I – I – I – 10
Caudal fin = 6
LLS > 60



SEAFDEC 00081
Family name : Priacanthidae
Scientific name : *Pristigenys niphonia*

Std length = 84 mm
Head length = 35 mm
Body depth = 44 mm
Dorsal fin = 11
Anal fin = III , 10

Remarks :

1. SL less than 2 times
2. Dorsal fin notched
4. Body scales margined with many minute spines
5. 4 broad transverse reddish bands on body when fresh



ID SEAFDEC : 00082
Family name : Hoplichthyidae
Scientific name : *Hoplichthys langsdorfii*

Remarks :

1. Body with spiny scutes along side
2. Pelvic fin jugular
3. Ventral side of lower jaw with many spines
4. Snout slightly long



Std length = 138 mm
Eye diameter = 10
Interorbital width = 2.5



ID SEAFDEC : 00083

Family name : Serranidae

Scientific name : *Chelidoperca hirundinacea*

Remarks :

1. Body and fins without black spots
2. Cross section of anterior part of body circular
3. Body with indistinct dark blotch above pectoral fin or without it
4. Caudal fin emarginate, scales cover up to anterior part of interorbital region
5. Interorbital region with 2 rows of sensory canal pores

Std length = 70 mm

Dorsal fin = X , 9

Anal fin = III , 6

Pec. fin = 12

Pel. fin = 6

Caudal fin = 16



ID SEAFDEC : 00084

Family name : Apogonidae

Scientific name : *Neamia* sp.

Remarks :

1. Jaws without enlarged canine teeth
2. First dorsal fin with 8 spines
3. Two separate dorsal fins

Std length = 64 mm

Head length = 24 mm

Body depth = 22 mm

Dorsal fin = VIII – I, 10

Aanal fin = II , 8



ID SEAFDEC : 00089

Family name :
Ogcocephalidae

Scientific name :
Halieutaea sp.

SL=112 mm
HL=62 mm
Dorsal fin=4
Anal fin = 4
Pectoral fin = 6
Pelvic fin = 2
Caudal fin = 8

Remarks :

1. Body strongly depressed forming disk, body slot soft, Occipital region not deep
2. Disk circular, suboperculum not protruded laterally
4. Ventral side smooth without small spines
5. Symmetrical ribbon like dark markings on dorsal surface body



ID SEAFDEC : 00113

Family name : Citharidae

Scientific name : *Citharoides macrolepidotus*

Remarks :

1. Eyes on left of body
2. Pair of black blotches near posterior end of dorsal and anal-fin bases
3. Dorsal surface of eye scaleless
4. Soft rays of entire dorsal and fins branched

Std length = 148 mm
Head length = 48 mm
Body depth = 58 mm
Dorsal fin = 65
Anal fin = 45
Pectoral fin = 9



SL = 189 mm

ID SEAFDEC : 00114
Family name : Platycephalidae
Scientific name : *Kumococius rodericensis*

Remarks :

1. Interorbital region narrow
2. Spines on head strong
3. Head depressed, but not extremely so.
4. Supraocular and infraorbital ridges with countable spines
5. Interopercular flap present
6. 2nd and 4th membranes of 1st dorsal fin with a black spot distally
7. Postocular ridge smooth
8. Infraorbital ridge only with several strong spine



SL=147,5 mm

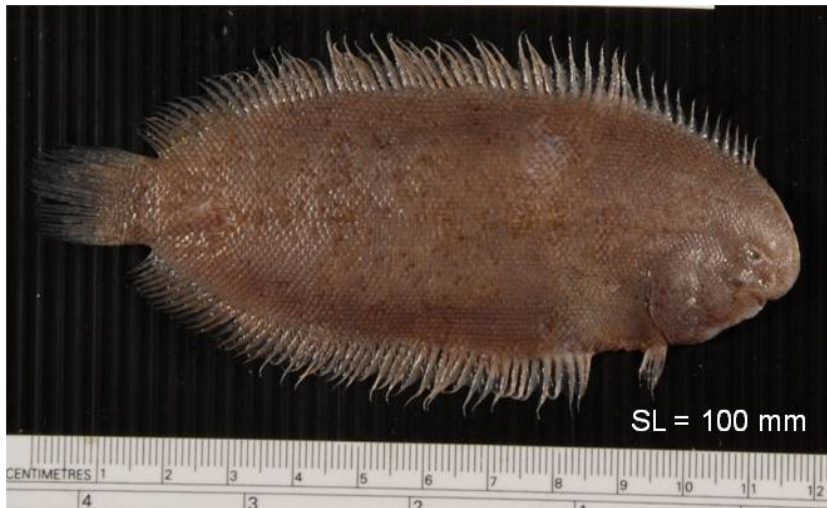
BD=44 mm

Caudal fin = 10

ID SEAFDEC : 00115
Family name : Cynoglossidae
Scientific name : *Cynoglossus* sp.

Remarks :

1. Two or 3 lateral lines on eyed side of body; mouth inferior, front part of snout produced into rostral hook and covering mouth
2. Lips on eyed side of head not fringed with labial
3. Caudal fin usually with 10 rays



ID SEAFDEC : 00138

Family name :
Soleidae

Scientific name :
Aseraggodes sp.

Remarks :

1. Mouth almost straight or slightly curved
2. Pectoral fin absent on both sides
3. Body without blackish-brown vertical bands on ocular side
4. Anterior nasal tube short, not reaching anterior border of lower eyes
5. Dorsal-and anal-fin rays simple
6. Pectoral fins absent and first dorsal-fin ray not prolonged



ID SEAFDEC : 00139

Family name :
Bothidae

Scientific name :
Arnoglossus sp

SL = 75 mm
HL = 18 mm
SL : HL = 4,2

Remarks :

1. First ray of pelvic fin on eyed side on or near isthmus
2. Teeth present on both sides of jaw
3. Lateral line absent or weakly developed on blind side

