



CCAMLR

Commission for the Conservation of Antarctic Marine Living Resources
Commission pour la conservation de la faune et la flore marines de l'Antarctique
Комиссия по сохранению морских живых ресурсов Антарктики
Comisión para la Conservación de los Recursos Vivos Marinos Antárticos

Common fish by-catch species in CCAMLR krill fisheries



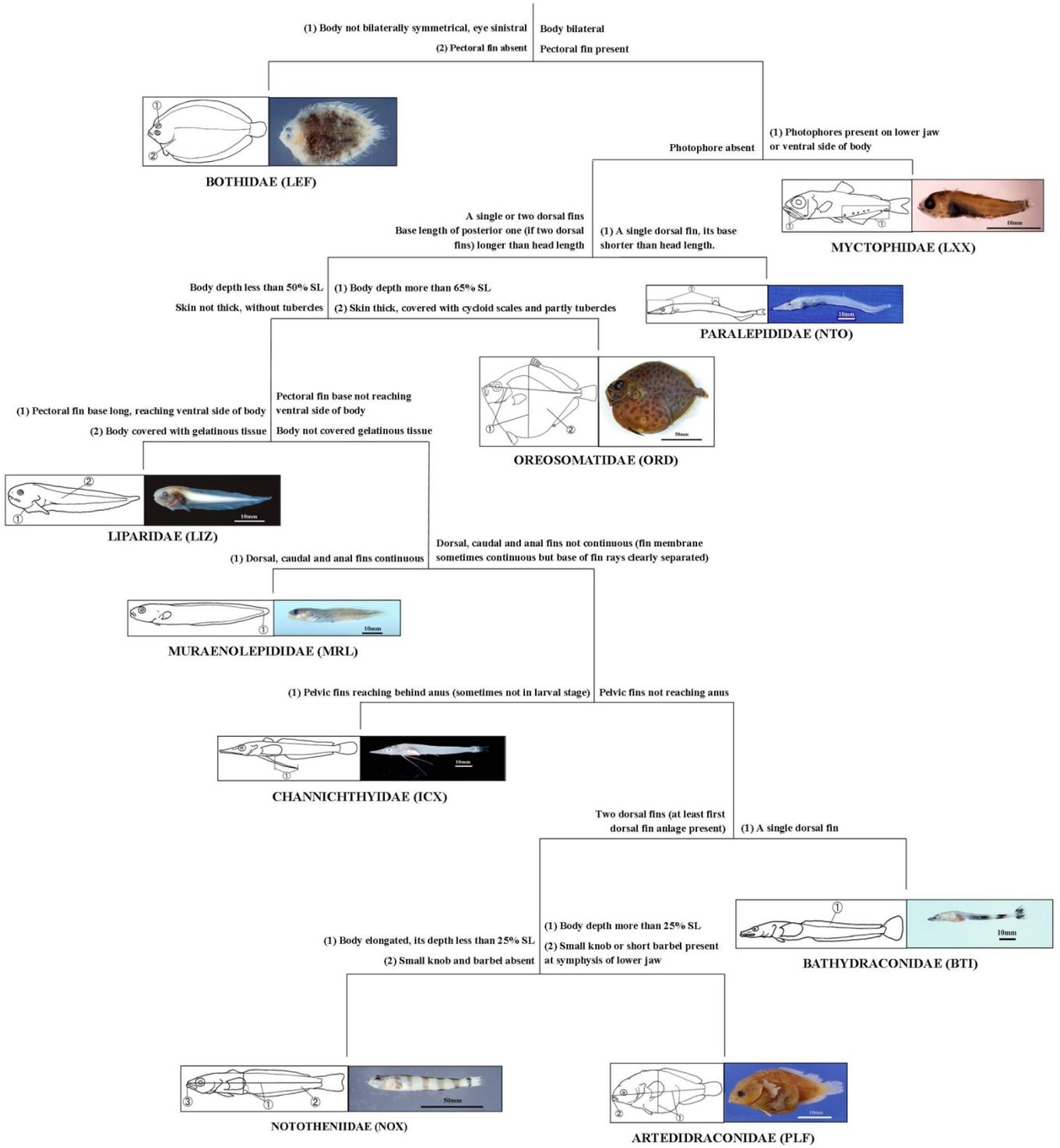
Introduction

This simple guide is designed to assist in the identification of fish by-catch in the krill fisheries to appropriate taxonomic levels. The identification sheets are based on the information provided in WG-EMM 07/32 (A guide to identification of fishes caught along with the Antarctic krill, T. Iwami and M. Naganobu (Japan), and we are particularly grateful to Prof. Tetsuo Iwami for permission to use that material).

The guide includes an illustrated key to distinguish the families of fish that have occurred as by-catch in the krill fishery, as well as three family-specific keys.

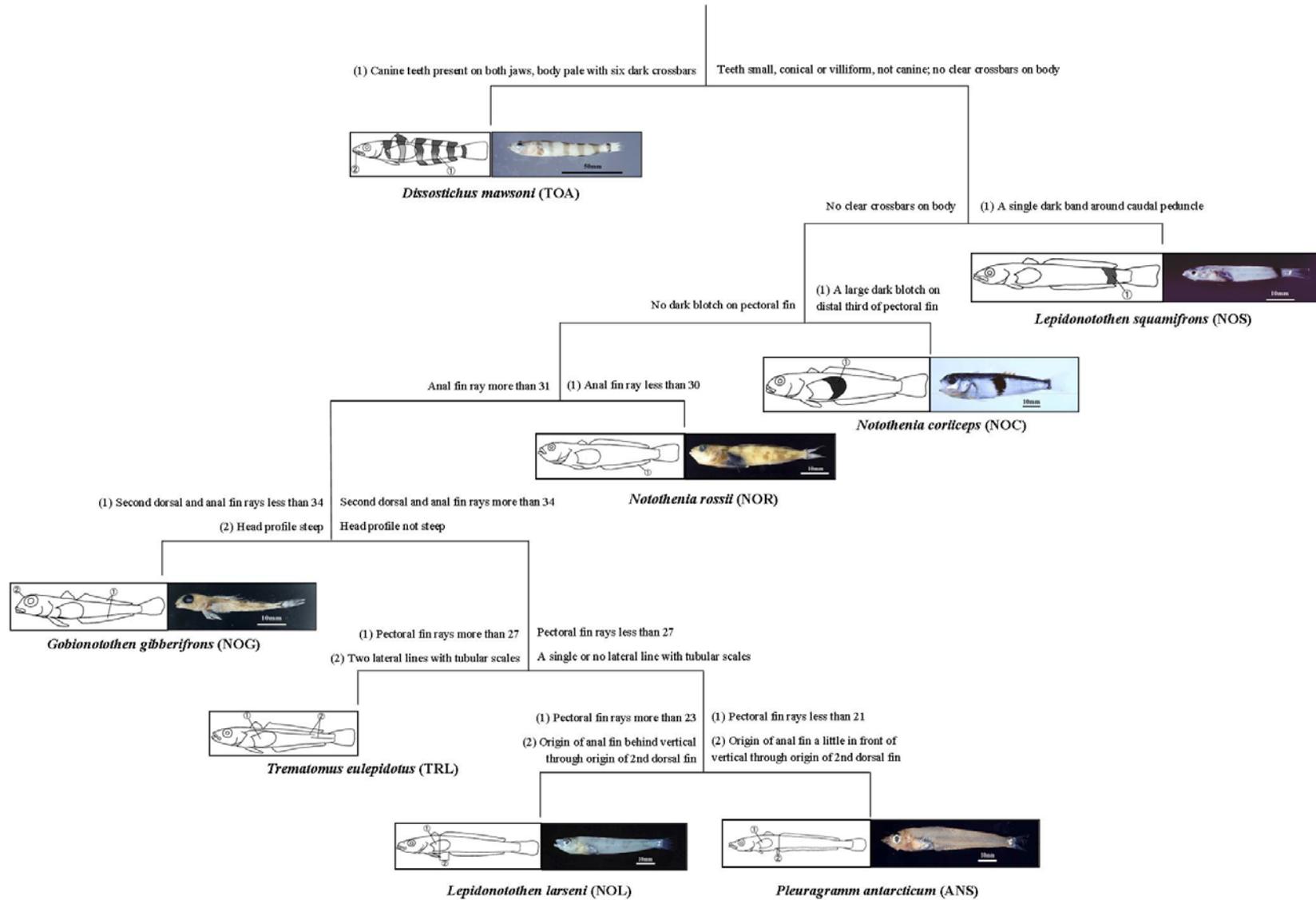
It is intended to provide a useful resource for observers in the krill fishery and in order to facilitate that outcome, users are encouraged to provide feedback (email: observer.scheme@ccamlr.org) on practical details of myctophid identification, in particular net-damaged specimens and the provision of additional photographs of relevant icefish species.

KEY TO FAMILIES



NOTOTHENIIDAE (NOX)

Red blood, two dorsal fins, scales on body

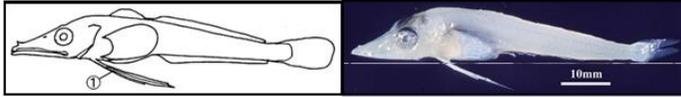


CHANNICHTHYIDAE (ICX)

White blood and gills, two dorsal fins, no scales, opercular spines

Pelvic fins well elongated

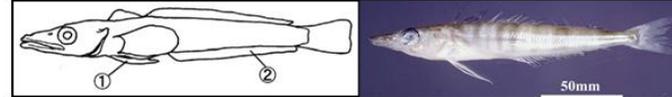
(1) Total pelvic fin rays 5 (1 spine + 4 soft rays)



Chaenodraco wilsoni (WIC)

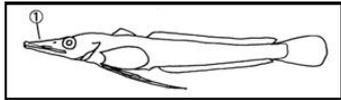
Pelvic fins not elongated

(1) Pelvic fin normal in shape, its membrane pale; (2) anal fin rays more than 35



Champsocephalus gunnari (ANI)

Total pelvic fin rays 6 (1 spine + 5 soft rays)

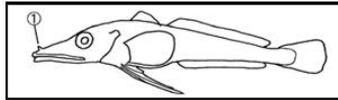


(1) No rostral spine

Chaenocephalus aceratus (SSI)



Chionodraco myersi (MIC)

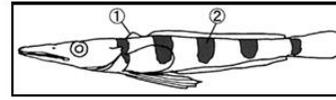


(1) Nostral spine present (sometimes undeveloped and recognized as a small knob)

Chionodraco hamatus (TIC)

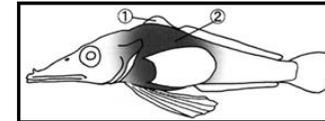
Chionodraco rastrospinosus (KIF)

Pelvic fin fan-shaped, its membrane dark, anal fin rays less than 31



(1) First dorsal fin rays less than 3
(2) Body pale with 5 dark crossbars

Dacodraco hunter (DAH)



(1) First dorsal fin rays more than 8
(2) Body sometimes dark, no clear dark crossbars

Neopagetopsis ionah (JIC)



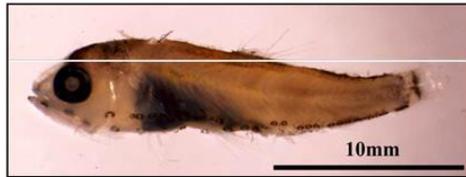
Pseudochaenichthys georgianus (SGI)



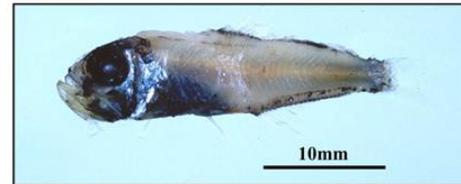
Pagetopsis macropterus (PMA)

MYCTOPHIDAE

Photophores on the head and body, jaw reaches to or beyond the posterior margin of the eye, scales, adipose fin and abdominal pelvic fins



Krefflichthys anderssoni (KRA)



Protomyctophum tenisoni (PRE)