

Short-tail Lanternshark, *Etmopterus brachyurus*

Report Card assessment	Undefined Stock		
IUCN Red List Australian Assessment	Refer to Global Assessment	IUCN Red List Global Assessment	Data Deficient
Assessors	McCormack, C.; Tanaka, S. & Kyne, P.		
Report Card Remarks	Small deepwater shark with biology and catches poorly known		

Summary

The Short-tail Lanternshark is a small, deepwater species known from eastern and western Australia, Japan, and the Philippines. Its overall distribution and occurrence is poorly defined. The species is taken as bycatch in deepwater fisheries off Japan and possibly in other locations. The biology of the species and levels of capture are poorly known. Therefore, the species is assessed as Data Deficient (IUCN) and as Undefined Stock (SAFS) in Australia.



Distribution

The Short-tail Lanternshark is found in the western Pacific in Japan, the Philippines, northeast Australia (off Cairns) and West Australia (from Lancelin to Shark Bay) (Last and Stevens 2009, Ebert et al. 2013). Records from elsewhere are likely misidentifications of other lanternsharks (Ebert et al. 2013).

Stock structure and status

There is currently no information on population size, structure, or trend for the species.

Fisheries

The Short-tail Lanternshark is not targeted in any fishery but may be caught incidentally in deepwater trawl fisheries. The species is a possible occasional bycatch in the Western Deepwater Trawl fishery off Western Australia, but there are few boats in operation (Marton and Mazur 2014). Off eastern Australia, deepwater fishing is also limited, with no trawl effort in the Coral Sea Fishery since 2006-2007 (Noriega et al. 2014).

Habitat and biology

The Short-tail Lanternshark is a deepwater species that occurs on the upper continental slope between 400 to 610 m depth (Last and Stevens 2009). Maximum size is 50 cm total length (TL) and males mature at 24-28 cm TL (Last and Stevens 2009). Little else is known of the biology.

Longevity and maximum size	Longevity: unknown Max size: 50 cm TL
Age and/or size at maturity (50%)	Males: 24-28 cm TL Females: unknown

Link to IUCN Page: <http://www.iucnredlist.org/details/161649/0>

Link to page at Shark References: <http://shark-references.com/species/view/Etmopterus-brachyurus>

References

- Ebert, D.A., Fowler, S. and Compagno, L. 2013. *Sharks of the World*. Wild Nature Press, Plymouth.
- Last, P.R. and Stevens, J.D. 2009. *Sharks and Rays of Australia*. Second Edition. CSIRO Publishing, Collingwood.
- Marton, N. and Mazur, K. 2014. Western Deepwater Trawl Fishery. In: Georgeson, L., Stobutzki, I. and Curtotti, R. (eds), *Fishery status reports 2013-14*, pp. 271-280. Australian Bureau of Agricultural and Resource Economics and Sciences, Canberra.
- Noriega, R., Hansen, S. and Mazur, K. 2014. Coral Sea Fishery. In: Georgeson, L., Stobutzki, I. and Curtotti, R. (eds), *Fishery status reports 2013-14*, pp. 48-60. Australian Bureau of Agricultural and Resource Economics and Sciences, Canberra.