

Moller's Lanternshark, *Etmopterus molleri*

Report Card assessment	Undefined Stock		
IUCN Red List Australian Assessment	Refer to Global Assessment	IUCN Red List Global Assessment	Data Deficient
Assessors	Kyne, P.; Ebert, D. & Schaaf-Da Silva, J.		
Report Card Remarks	Poorly known and more research needed to assess status		

Summary

Moller's Lanternshark is a poorly known deepwater shark found in the Southwest Pacific. It has been found off eastern Australia and around New Zealand. In Australian waters, it is known only from specimens collected off Sydney. Its previous IUCN Red List



assessment considered the species to be Least Concern based on its supposed wide range and its lack of commercial value in fisheries. However, records of the Moller's Lanternshark from Taiwan and Japan have now been shown to be a different species, and therefore its range is much smaller than previously recognised. There is no information on population size, structure, or interactions with fisheries. The current lack of information on the species means that it is assessed as Data Deficient (IUCN) and is an Undefined Stock (SAFS) in Australia.

Distribution

The Moller's Lanternshark is known only from eastern Australia off Sydney, New South Wales, and New Zealand. Records from Taiwan and Japan are of a different species (Last and Stevens 2009, Ebert et al. 2013).

Stock structure and status

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

Fisheries

Lanternsharks are generally not threatened by fishing activities as they are small and have no commercial value. However, the Moller's Lanternshark is likely taken as bycatch in deepwater trawl fisheries off eastern Australia. Species-specific details are lacking as the species is very poorly known.

Habitat and biology

The Moller's Lanternshark has been recorded on the outer continental and insular shelves, and upper slopes at depths of 238 to 655 m (Ebert et al. 2013). Maximum size is approximately 46 cm total length (TL) (Last and Stevens 2009, Ebert et al. 2013). Little else is known of the biology.

Longevity and maximum size	Longevity: unknown Max size: approximately 46 cm TL
Age and/or size at maturity (50%)	Males: 33 cm TL Females: unknown

Link to IUCN Page: <http://www.iucnredlist.org/details/161407/0>

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

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.