

Reticulate Swellshark, *Cephaloscyllium hiscosellum*

Report Card assessment	Sustainable		
IUCN Red List Australian Assessment	Least Concern (Endemic to Australia)	IUCN Red List Global Assessment	Least Concern
Assessors	Lisney, T.J. & Kyne, P.M.		
Australian Assessors	Kyne, P.M., Heupel, M.R., White, W.T. & Simpfendorfer, C.A. (Shark Action Plan)		
Report Card Remarks	Small poorly known but subject to minimal fishing pressure		

Summary

The Reticulate Swellshark a small, poorly known deepwater catshark endemic to northwest Australia. Little fishing effort occurs within the species' range and although its biology is poorly known there are currently no major threats to the species. Therefore, the species is assessed as Least Concern (IUCN) (Kyne et al. 2021) and Sustainable (SAFS).



Distribution

The Reticulate Swellshark occurs from west of Leander Point to southwest of Rowley Shoals (White and Ebert 2008).

Stock structure and status

There is currently no information on population size, structure, or trend for the species, but it is likely the population is stable as it does not overlap with much fishing activity.

Fisheries

The range of the species off Western Australia is only subject to very low fishing effort through the Australian Commonwealth managed Western Deepwater Trawl Fishery and the North West Slope Trawl Fishery (Marton and Mazur 2014a, 2014b).

Habitat and biology

The Reticulate Swellshark is a deepwater benthic swellshark that has been recorded from the upper continental slope at depths of 294–420 m (White and Ebert 2008, Last and Stevens 2009). Maximum size is at least 52 cm total length (TL), with males mature at approximately 46 cm TL (White and Ebert 2008, Last and Stevens 2009). Nothing else is known of its biology.

Longevity and maximum size	Longevity: unknown Max size: at least 52 cm TL
Age and/or size at maturity (50%)	Males: ~ 46 cm TL Females: unknown

CAAB Code: 37 015007

Link to IUCN Page: <https://www.iucnredlist.org/species/195422/68616108>

Link to page at Shark References: <http://www.shark-references.com/species/view/Cephaloscyllium-hiscosellum>

References

- Kyne, P.M., Heupel, M.R., White, W.T. and Simpfendorfer, C.A. 2021. *The Action Plan for Australian Sharks and Rays 2021*. National Environmental Science Program, Marine Biodiversity Hub, Hobart
- Last, P.R. and Stevens, J.D. 2009. *Sharks and Rays of Australia*. Second Edition. CSIRO Publishing, Collingwood.
- Marion, N. and Mazur, K. 2014a. *North West Slope Trawl Fishery*. In: Georgeson, L., Stobutzki, I. and Curtotti, R. (eds), Fishery status reports 2013–14. Australian Bureau of Agricultural and Resource Economics and Sciences, Canberra.
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- White, W.T. and Ebert, D.A. 2008. *Cephaloscyllium hiscosellum* sp. nov., a new swellshark (Carcharhiniformes: Scyliorhinidae) from northwestern Australia. CSIRO Marine and Atmospheric Research Paper 22: 171–178.