

Fatspine Spurdog, *Squalus crassispinus*

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| Report Card assessment | Negligible | | |
| IUCN Red List Australian Assessment | Least Concern | IUCN Red List Global Assessment | Least Concern |
| Assessors | Finucci, B. | | |
| Australian Assessors | Kyne, P.M., Heupel, M.R., White, W.T. & Simpfendorfer, C.A. (Shark Action Plan) | | |
| Report Card Remarks | In Australia, occurs in area of minimal fisheries effort. | | |

Summary

The Fatspine Spurdog is a poorly-known dogfish that occurs in Papua New Guinea and northwest Australia. The area is subject to two deepwater trawl fisheries but effort is low with only a few boats in operation.



Little is known of its biology, although other deepwater dogfish have life history traits such as slow growth and few young that make them vulnerable to fishing pressure. However, due to limited fishing effort in its Australian range, the species is assessed as Least Concern (IUCN) in Australia (Kyne et al. 2021), and Negligible (SAFS) due to its minimal fisheries interactions.

Distribution

The Fatspine Spurdog is found in Papua New Guinea and in Australia, between North West Cape and north of the Rowley Shoals (Western Australia) (Last and Stevens 2009).

Stock structure and status

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

Fisheries

There is low effort in the deepwater fisheries in which the species may possibly be taken as bycatch, that is, the North West Slope Trawl and Western Deepwater Trawl (Harris and Ward 1999). However, it has not been recorded from these fisheries.

Habitat and biology

The Fatspine Spurdog occurs on the upper continental slope at depths of 187–300 m. Maximum size is approximately 58 cm total length (TL), with males mature by 45 cm (TL) (Last and Stevens 2009). Little else is known of its biology.

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| Longevity and maximum size | Longevity: unknown Max size: ~58 cm TL |
| Age and/or size at maturity (50%) | Males: 45 cm TL Females: unknown |

Link to IUCN Page: <https://www.iucnredlist.org/species/42725/68644617>

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

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*. CSIRO, Australia.