

Fatspine Spurdog, *Squalus crassispinus*

Report Card assessment	Undefined Stock		
IUCN Red List Australian Assessment	Endemic to Australia	IUCN Red List Global Assessment	Data Deficient
Assessors	Cavanagh, R.D. & Lisney, T.J.		
Report Card Remarks	Little knowledge of catches or biology		

Summary

The Fatspine Spurdog is a little known dogfish endemic to northwestern Australia. It is likely taken as bycatch in deepwater trawl fisheries that operate within its range and while the effort is low, there is no information on catches. It is highly likely



that the distribution and range of this species is wider than current knowledge suggests. 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. The lack of data on catches and biology preclude an accurate assessment of its status. Therefore, the species is assessed as Data Deficient (IUCN) and Undefined Stock (SAFS).

Distribution

The Fatspine Spurdog is found 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

The Fatspine Spurdog may be a minor component of the bycatch of the North West Slope Trawl and Western Deepwater Trawl fisheries since they operate at depths below 200 m. Although these fisheries have low effort, the catches within the fishery are unknown and the species is likely to have a wider distribution and depth range that may make it more likely to be caught in these and other fisheries.

Habitat and biology

The Fat spine Spurdog occurs on the upper continental slope at depths of 187 to 262 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.

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/42725/10749000>

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

References

Last, P.R. and Stevens, J.D. 2009. Sharks and Rays of Australia. CSIRO, Australia.