

Blue lines indicate the area meeting the ISRA Criteria; dashed lines indicate the suggested buffer for use in the development of appropriate place-based conservation measures

NORTH JUMNA SHOAL ISRA
Western Indian Ocean Region

SUMMARY

North Jumna Shoal is located in the Sudanese Red Sea, and is the northernmost reef of the Suakin Archipelago, ~48 km from Port Sudan. It is a coral platform with steep walls surrounded by deep waters. Within this area there are: **threatened species** and **undefined aggregations** (Scalloped Hammerhead *Sphyrna lewini*).

CRITERIA

Criterion A - Vulnerability; Sub-criterion C5 - Undefined Aggregations

—	—
SUDAN	—
—	—
0-100 metres	—
—	—
95.44 km²	—
—	—





DESCRIPTION OF HABITAT

North Jumna Shoal is a submerged reef platform that slopes steeply into deeper waters. The site contains reef flat, reef wall, and pelagic habitats (A Kattan pers. obs. 2023). It is the northernmost reef of the Suakin Archipelago, located ~48 km from Port Sudan (Seawolf Safari 2023).

This Important Shark and Ray Area is benthopelagic and extends from surface waters (0 m) to 100 m based on the bathymetry of the area and distribution of the Qualifying Species.

ISRA CRITERIA

CRITERION A - VULNERABILITY

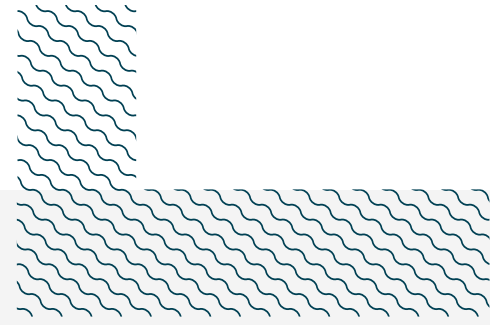
The one Qualifying Species within the area is considered threatened with extinction according to the IUCN Red List of Threatened Species™. The Scalloped Hammerhead is assessed as Critically Endangered (Rigby et al. 2019).

SUB-CRITERION C5 - UNDEFINED AGGREGATIONS

North Jumna Shoal is important for undefined aggregations of one shark species.

Scalloped Hammerheads have been regularly observed in aggregations of up to 200 individuals. Surveys conducted from 2012–2017 by a single dedicated observer have recorded 72 encounters with Scalloped Hammerheads in the area. Of these encounters, there were 30 recorded aggregations of 50–200 Scalloped Hammerheads, with 10–19 encounters per year (D Coker unpubl. data 2023). This area hosts some of the largest aggregations of Scalloped Hammerheads remaining in the Red Sea (J Cochran pers. obs. 2023) along with less accessible sites in the South Suakin Archipelago (where aggregations reach up to 280 individuals) (D Coker unpubl. data 2023). More information is needed to define the nature and function of these aggregations.





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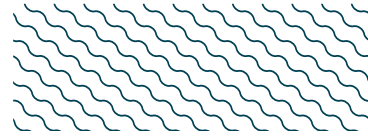
Suggested citation

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QUALIFYING SPECIES

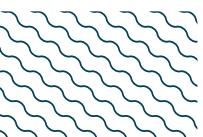
Scientific Name	Common Name	IUCN Red List Category	Global Depth Range (m)	ISRA Criteria/Sub-criteria Met									
				A	B	C1	C2	C3	C4	C5	D1	D2	
SHARKS													
<i>Sphyrna lewini</i>	Scalloped Hammerhead	CR	0-1,043	X							X		

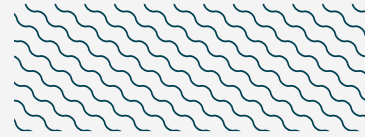
SUPPORTING SPECIES



Scientific Name	Common Name	IUCN Red List Category
SHARKS		
<i>Carcharhinus amblyrhynchos</i>	Grey Reef Shark	EN
<i>Carcharhinus falciformis</i>	Silky Shark	VU
<i>Triaenodon obesus</i>	Whitetip Reef Shark	VU

IUCN Red List of Threatened Species Categories are available by searching species names at www.iucnredlist.org Abbreviations refer to: CR, Critically Endangered; EN, Endangered; VU, Vulnerable; NT, Near Threatened; LC, Least Concern; DD, Data Deficient.





REFERENCES

Rigby CL, Dulvy NK, Barreto R, Carlson J, Fernando D, Fordham S, Francis, MP, Herman K, Jabado, RW, Liu KM, et al. 2019. *Sphyrna lewini*. *The IUCN Red List of Threatened Species* 2019: e.T39385A2918526.

Seawolf Safari. 2023. Jumna Reef. Available at: <https://www.seawolf-safari.de/divesite/jumna-reef>
Accessed October 2023.