

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

## TINABO ISLAND ISRA

### Asia Region

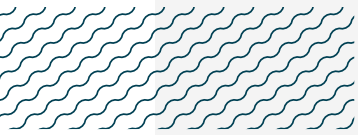
### SUMMARY

Tinabo Island is located in the Taka Bonerate Islands of Indonesia. It is characterised by sandy substrates and coral reefs. The area overlaps with the Taka Bonerate National Park. Within the area there are: **threatened species** and **reproductive areas** (Blacktip Reef Shark *Carcharhinus melanopterus*).

### CRITERIA

**Criterion A - Vulnerability; Sub-criterion C1 - Reproductive Areas**

—	—
<b>INDONESIA</b>	—
—	—
<b>0-20 metres</b>	—
—	—
<b>3.5 km<sup>2</sup></b>	—
—	—





## DESCRIPTION OF HABITAT

Tinabo Island is located in the Taka Bonerate Islands of Indonesia. It sits within the Flores Sea and is part of the South Sulawesi province. The area is characterised by shallow waters with sandy substrates and coral reefs (Muhidin et al. 2020).

The area is influenced by monsoon seasons. The northwest monsoon (December–February) brings low-speed winds and high rainfall while the southeast monsoon (June–August) brings high-speed winds and lower precipitation (Herdiana et al. 2024).

The area overlaps with the Taka Bonerate National Park, a marine protected area.

This Important Shark and Ray Area is benthopelagic and is delineated from inshore and surface waters (0 m) to 20 m based on the depth range of Qualifying Species in the area.

## ISRA CRITERIA

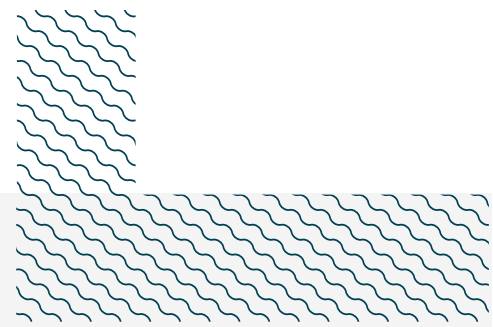
### CRITERION A – VULNERABILITY

One Qualifying Species within the area is considered threatened with extinction according to the IUCN Red List of Threatened Species. The Blacktip Reef Shark is assessed as Vulnerable (Simpfendorfer et al. 2020).

### SUB-CRITERION C<sub>1</sub> – REPRODUCTIVE AREAS

Tinabo Island is an important reproductive area for one shark species.

Since 2010, aggregations of Blacktip Reef Sharks have been observed regularly in the area by direct observations and Baited Remote Underwater Video Station surveys (Alpian 2023; Muhidin pers. obs. 2024). These observations have also been confirmed by interviews with local communities in the area and animals are commonly seen by tourists (Rahman pers. obs. 2024). Aggregations of 10–60 individuals occur year-round in sandy areas and coral reefs around the island (Alpian 2023; Muhidin pers. obs. 2024). Blacktip Reef Sharks observed in the area measure 35–60 cm total length (TL), which is similar to the known size-at-birth for the species (30–52 cm TL; Ebert et al. 2021). Considering Blacktip Reef Sharks are seen year-round, it is likely that Tinabo Island is a nursery area for this species.



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Benaya Meitasari Simeon (Charles Darwin University), Muhidin (Wildlife Conservation Society Indonesia Program), Saleh Rahman (Takabonerate National Park), and Emiliano García-Rodríguez (IUCN SSC Shark Specialist Group - ISRA Project) contributed and consolidated information included in this factsheet. We thank all participants of the 2024 ISRA Region 9 - Asia workshop for their contributions to this process.

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## **Suggested citation**

**IUCN SSC Shark Specialist Group. 2024.** Tinabo Island ISRA Factsheet. Dubai: IUCN SSC Shark Specialist Group.

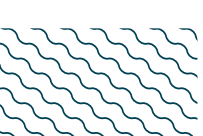
## QUALIFYING SPECIES

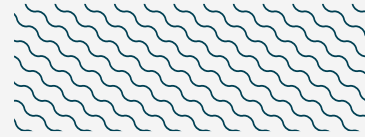
Scientific Name	Common Name	IUCN Red List Category	Global Depth Range (m)	ISRA Criteria/Sub-criteria Met									
				A	B	C1	C2	C3	C4	C5	D1	D2	
<b>SHARKS</b>													
<i>Carcharhinus melanopterus</i>	Blacktip Reef Shark	VU	0-75	X		X							

## SUPPORTING SPECIES

Scientific Name	Common Name	IUCN Red List Category
<b>SHARKS</b>		
<i>Carcharhinus amblyrhynchos</i>	Grey Reef Shark	EN
<i>Galeocerdo cuvier</i>	Tiger Shark	NT
<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](http://www.iucnredlist.org) Abbreviations refer to: CR, Critically Endangered; EN, Endangered; VU, Vulnerable; NT, Near Threatened; LC, Least Concern; DD, Data Deficient.*





## REFERENCES

**Alpian AR. 2023.** Type and size distribution of baby sharks in the waters of Tinabo Besar Island, Taka Bonerate National Park area, Selayar Islands Regency. Unpublished Bachelors Thesis, Hasanuddin University, Makassar.

**Herdiana Y, Wiryawan B, Wisudo SH, Tweedley JR, Yulianto I, Retnoningtyas H, Loneragan NR. 2024.** Untangling the complexity of small-scale fisheries: Building an understanding of grouper-snapper fisheries dynamics in Saleh Bay, West Nusa Tenggara, Indonesia. *Fishes* 9: 2. <https://doi.org/10.3390/fishes9010002>

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**Simpfendorfer C, Yuneni RR, Tanay D, Seyha L, Haque AB, Fahmi, Bin Ali A, D, Bineesh KK, Gautama DA, et al. 2020.** *Carcharhinus melanopterus*. *The IUCN Red List of Threatened Species 2020*: e.T39375A58303674. <https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T39375A58303674.en>