Protecting threatened sharks and rays in the Western Indian Ocean





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PROBLEM

Sharks and rays

- Slow growth
- Few offspring
- Late maturity
- More vulnerable to exploitation

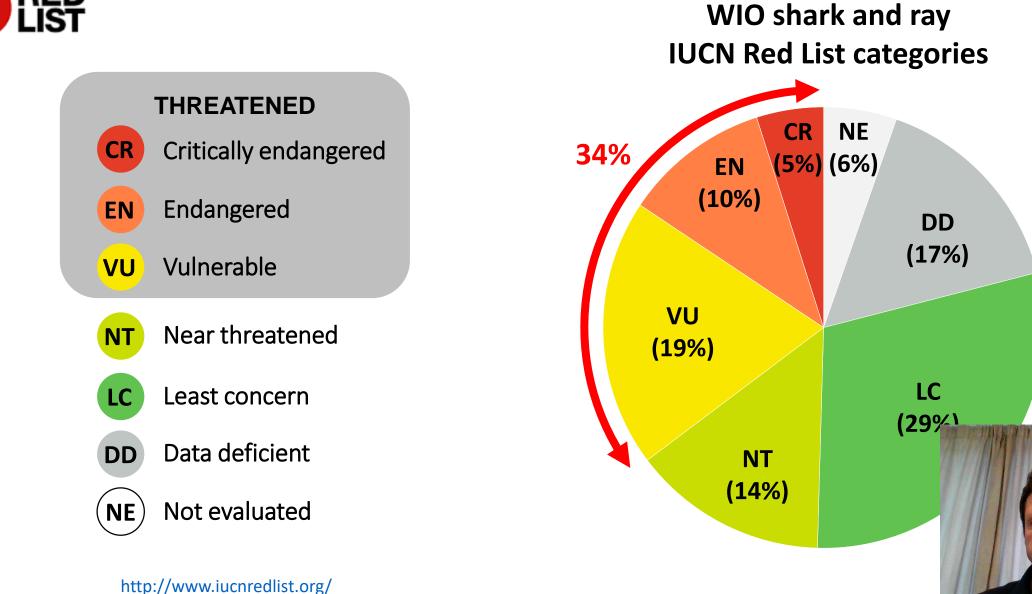








Conservation Status: IUCN Red List



Nairobi Convention

Nairobi Convention for the Protection, Management and Development of the Marine and Coastal Environment of the Eastern African Region





Protocol Concerning Protected Areas and Wild Fauna and Flora in the Eastern African Region

Annex I: Protected species of wild flora

Annex II: Species of wild fauna requiring special protection

Annex III: Harvestable species of wild fauna

Annex IV: Migratory species



Recommendations for Listing of Sharks and Rays in ANNEX II of the NC Protocol

Article 4: Species of Wild Fauna Requiring Special Protection stipulates: "The Contracting Parties shall take all appropriate measures to ensure the strictest protection of the endangered wild fauna species listed in annex II."



CMS – Convention on the Conservation of Migratory Species of Wild Animals: Appendix I

- Appendix I "comprises migratory species that have been assessed as being in danger of extinction.
- CMS Parties in which these species occur "shall endeavour to strictly protect them".



IOTC – Indian Ocean Tuna Commission: Resolutions:

• Resolutions 12/09, 13/05, 13/06 and 19/03 include specific protections for certain shark and ray species



CITES – Convention on the International Trade in Endangered Species of Wild Fauna and Flora: Appendix I:

• Species that are "threatened with extinction and CITES prohibits international trade in specimens of these species".



IUCN Red List of Threatened Species:

- Critically Endangered (CR): "facing an extremely high risk of extinction in the wild";
- Endangered (EN): "facing a very high risk of extinction in the wild".

21 shark species and 18 ray species recommended for strict protection under Annex II



Recommendations for Listing of Sharks and Batoids in ANNEX III of the NC Protocol

Article 5: Harvestable Species of Wild Fauna stipulates:

"1. The Contracting Parties shall take all appropriate measures to ensure the protection of the depleted or threatened wild fauna species listed in annex III."

2. "Each Contracting Party shall develop, adopt and implement management plans for the exploitation of such species."



CMS Appendix II:

- "migratory species that have an unfavourable conservation status";
- Range states are encouraged to conclude global or regional agreements for the conservation and management of these species.

CITES Appendix II:



- species that are "not necessarily now threatened with extinction but that may become so unless trade is closely controlled"
- export of such species is permitted, but under strict regulation.



IUCN Red List of Threatened Species:

- Vulnerable (VU) species are "facing a high risk of extinction in the wild";
- Near Threatened (NT) "close to qualifying for or is likely to qualify for a threatened category in the near future".

53 shark and 20 ray species recommended for protection / regulated harvesting under Annex III



Species	Common name	ΙΟΤΟ	CMS I	CITES I	IUCN	Kenya Mozambique Seychelles South Africa Tanzania	
Alopias pelagicus	pelagic thresher shark	YES			EN		2
Alopias superciliosus	bigeye thresher shark	YES					
Alopias vulpinus	common thresher shark	YES					7 58 8
Carcharhinus longimanus	oceanic whitetip	YES	YES		CR		Jung 1
Rhincodon typus	whale shark	YES	YES		EN		The second second
Mobula alfredi	reef manta ray	YES	YES				VIII I I I I I I I I I I I I I I I I I
Mobula birostris	giant manta ray	YES	YES		EN		O/ Conver
Mobula eregoodoo	longhorned pygmy devil ray	YES	YES		EN		
Mobula kuhlii	shortfin devil ray	YES	YES		EN		
Mobula mobular	spinetail devil ray	YES	YES		EN		Shark and
Mobula tarapacana	sicklefin devil ray	YES	YES		EN		Shark and
Mobula thurstoni	bentfin devil ray	YES	YES		EN		ray species
Cetorhinus maximus	basking shark		YES		EN		
Carcharodon carcharias	great white shark		YES				proposed
Pristis pristis	largetooth sawfish		YES	YES	CR		for Nairobi
Pristis zijsron	green sawfish		YES	YES	CR		
Pseudoginglymostoma brevicaudatum	shorttail nurse shark				CR		Convention
Sphyrna lewini	scalloped hammerhead				CR		
Sphyrna mokarran	great hammerhead				CR		ANNEX II
Glaucostegus halavi	Halavi guitarfish				CR		
Rhina ancylostomus	bowmouth guitarfish				CR		
Rhynchobatus australiae	bottlenose wedgefish				CR		
Rhynchobatus djiddensis	whitespotted wedgefish				CR		
Rhynchobatus laevis	smoothnose wedgefish				CR		
Carcharhinus obscurus	dusky shark				EN		
Centrophorus granulosus	gulper shark				EN		
Centrophorus squamosus	leafscale gulper shark				EN		
Echinorhinus brucus	bramble shark				EN		
Isurus oxyrinchus	shortfin mako shark				EN		
Isurus paucus	longfin mako shark				EN		
Holohalaelurus favus	honeycomb izak				EN		
Holohalaelurus punctatus	whitespotted izak				EN		1 Marca
Stegostoma tigrinum	zebra shark				EN		
Mustelus manazo	starspotted smoothhound				EN		
Carcharhinus amblyrhynchos	grey reef shark				EN		66
Aetomylaeus vespertilio	ornate eagle ray				EN		
Raja ocellifera	twineyed skate				EN		1 Alexandre
Rostroraja alba	spearnose skate				EN		
Acroteriobatus leucospilus	greyspot guitarfish				EN		

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Alopias superciliosus	bigeye thresher shark	YES					Х				M CH S
Alopias vulpinus	common thresher shark	YES					Х				
Carcharhinus longimanus	oceanic whitetip	YES	YES		CR	Х	X				Jung -
Rhincodon typus	whale shark	YES	YES		EN	Х	Х	Х	Х	Х	The second second
Mobula alfredi	reef manta ray	YES	YES				Х		Х		VIII I I I I I I I I I I I I I I I I I
Mobula birostris	giant manta ray	YES	YES		EN		Х		Х		Oi Convell
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Mobula kuhlii	shortfin devil ray	YES	YES		EN		Х				
Mobula mobular	spinetail devil ray	YES	YES		EN		Х				Shark and
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Mobula thurstoni	bentfin devil ray	YES	YES		EN		Х				ray species
Cetorhinus maximus	basking shark		YES		EN						
Carcharodon carcharias	great white shark		YES			Х	Х		Х		proposed
Pristis pristis	largetooth sawfish		YES	YES	CR		Х		Х	Х	for Nairobi
Pristis zijsron	green sawfish		YES	YES	CR		Х		Х	Х	
Pseudoginglymostoma brevicaudatum	shorttail nurse shark				CR	Х					Convention
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Mustelus manazo	starspotted smoothhound				EN						
Carcharhinus amblyrhynchos	grey reef shark				EN						1 26
Aetomylaeus vespertilio	ornate eagle ray				EN						
Raja ocellifera	twineyed skate				EN						
Rostroraja alba	spearnose skate				EN						
Acroteriobatus leucospilus	greyspot guitarfish				EN						

Recommended actions for Nairobi Convention Conference of Parties

Recalling Decision CP7/12: Conservation of Sharks, Article 4 of the Nairobi Convention Protocol: *Species of Wild Fauna Requiring Special Protection* and Article 5 of the Nairobi Convention Protocol: *Harvestable Species of Wild Fauna*, we urge the Conference of Parties to take the following steps, to reduce impacts on shark and ray populations in the WIO, to improve their conservation status:

- **1.** List appropriate shark and ray species on Nairobi Convention Annexes, as proposed in Annex to this discussion paper: Recommendations for Shark and Ray Listings in the Annexes of the Nairobi Convention Protocol Concerning Protected Areas and Wild Fauna and Flora in the Eastern African Region.
- 2. Urge member states to implement their <u>binding</u> commitments, as a minimum, in terms of species protections and trade controls at national level, as imposed by the multilateral agreements to which they are party, including inter alia:
 - protection of all shark and ray species listed in CMS Appendix I;
 - protection of all shark and ray species prohibited in IOTC Resolutions;
 - trade controls for all shark and ray species listed in CITES Appendices.
- **3.** Encourage member states to <u>voluntarily</u> implement species protections and/or catch restrictions for threatened species and species subject to trade controls, i.e. not already protected under other agreements, through:
 - Following the guiding text of the Nairobi Convention, in terms of strictly protecting endangered wild fauna species;
 - Protecting and managing species listed in Nairobi Convention Annexes;
 - Protecting species listed under CITES Appendix I, for which commercial trade bans should already be in place;
 - Protecting all IUCN Critically Endangered and Endangered species;
 - Developing management measures for IUCN Vulnerable and Near Threatened species.





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