

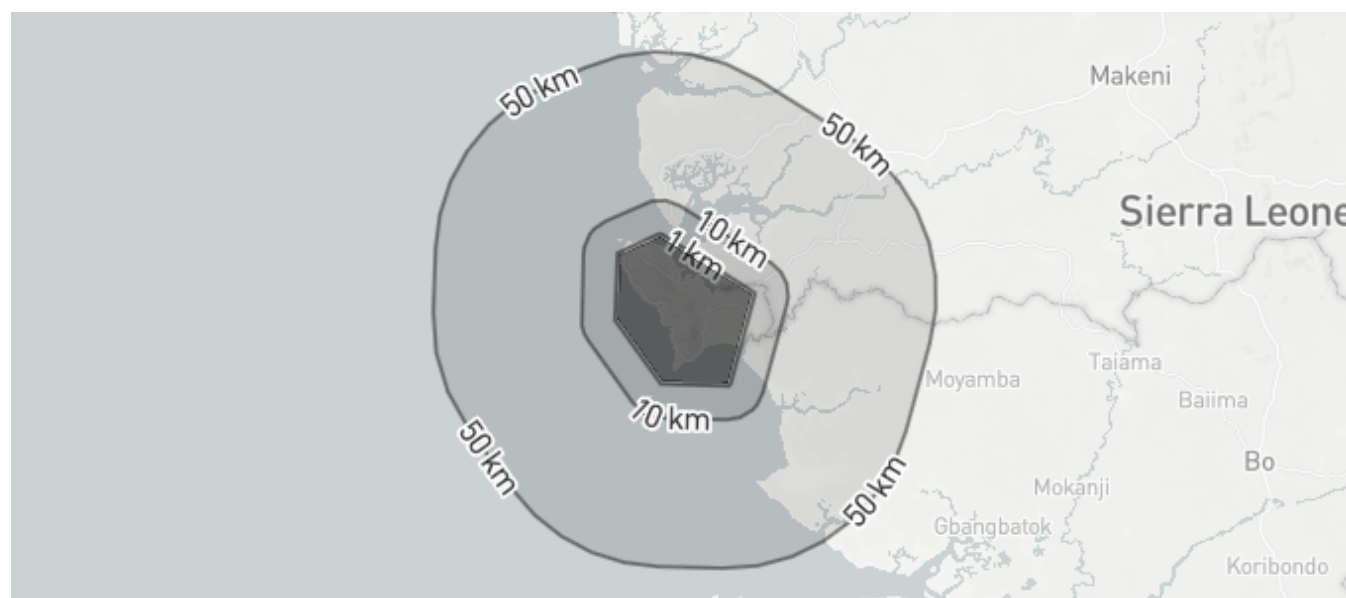
World Bank Group Biodiversity Risk Screen

FREETOWN

- **Country:** Sierra Leone
- **Location:** [8.3, -13.2]
- **Created by:** Ben Jobson

Overlaps with:

Protected Areas	50 km: 3	10 km: 1	1 km: 5	9
World Heritage (WH)	50 km: 0	10 km: 0	1 km: 0	0
Key Biodiversity Areas	50 km: 0	10 km: 0	1 km: 3	3
Alliance for Zero Extinction (AZE)	50 km: 0	10 km: 0	1 km: 0	0
IUCN Red List	58			
Critical Habitat	Likely			



Displaying project location and buffers: 1 km, 10 km, 50 km



This report is based on IFC Performance Standard 6 (PS6) but applies to World Bank Environmental and Social Standard 6 (ESS6)

About this report

IBAT provides initial screening for critical habitat values. Performance Standard 6 (PS6) defines these values for critical habitat (PS6: para. 16) and legally protected and internationally recognized areas (PS6: para. 20). PS6 will be triggered when IFC client activities are located in modified habitats containing “significant biodiversity value,” natural habitats, critical habitats, legally protected areas, or areas that are internationally recognized for biodiversity. References to PS6 and Guidance Note 6 (GN6) are provided to guide further assessment and detailed definitions where necessary. Please see <https://www.ifc.org/ps6> for full details on PS6 and GN6.

The report screens for known risks within a standard 50km buffer of the coordinates used for analysis. This buffer is not intended to indicate the area of impact. The report can be used to:

- Scope risks to include within an assessment of risks and impacts
- Identify gaps within an existing assessment of risks and impacts
- Prioritize between sites in a portfolio for further assessment of risks and impacts
- Inform a preliminary determination of critical habitat
- Assess the need for engaging a biodiversity specialist
- Identify additional conservation experts or organizations to inform further assessment or planning

WARNING: IBAT aims to provide the most up-to-date and accurate information available at the time of analysis. There is however a possibility of incomplete, incorrect or out-of-date information. All findings in this report must be supported by further desktop review, consultation with experts and/or on-the-ground field assessment as described in PS6 and GN6. Please consult IBAT for any additional disclaimers or recommendations applicable to the information used to generate this report.

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Priority Species

Habitat of significant importance to priority species will trigger critical habitat status (See PS6: para 16). IBAT provides a preliminary list of priority species that could occur within the 50km buffer. This list is drawn from the IUCN Red List of Threatened Species (IUCN RL). This list should be used to guide any further assessment, with the aim of confirming known or likely occurrence of these species within the project area. It is also possible that further assessment may confirm occurrence of additional priority species not listed here. It is strongly encouraged that any new species information collected by the project be shared with species experts and/or IUCN wherever possible in order to improve IUCN datasets.

IUCN Red List of Threatened Species - CR & EN

The following species are potentially found within 50km of the area of interest.
For the full IUCN Red List please refer to the associated csv in the report folder.

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Mecistops cataphractus	Slender-snouted Crocodile	REPTILIA	CR	decreasing	Terrestrial, Freshwater
Eretmochelys imbricata	Hawksbill Turtle	REPTILIA	CR	decreasing	Terrestrial, Marine
Pristis pectinata	Smalltooth Sawfish	CHONDRICHTHYES	CR	decreasing	Marine
Sousa teuszii	Atlantic Humpback Dolphin	MAMMALIA	CR	decreasing	Marine, Freshwater
Carcharhinus longimanus	Oceanic Whitetip Shark	CHONDRICHTHYES	CR	decreasing	Marine
Sphyrna lewini	Scalloped Hammerhead	CHONDRICHTHYES	CR	decreasing	Marine
Sphyrna mokarran	Great Hammerhead	CHONDRICHTHYES	CR	decreasing	Marine

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Rhynchobatus luebberti	African Wedgefish	CHONDRICHTHYES	CR	decreasing	Marine
Squatina aculeata	Sawback Angelshark	CHONDRICHTHYES	CR	decreasing	Marine
Squatina oculata	Smoothback Angelshark	CHONDRICHTHYES	CR	decreasing	Marine
Pseudagrion mascagnii		INSECTA	CR	unknown	Terrestrial, Freshwater
Scriptaphyosemion etzeli		ACTINOPTERYGII	CR	unknown	Freshwater
Pristis pristis	Large-tooth Sawfish	CHONDRICHTHYES	CR	decreasing	Marine, Freshwater
Necrosyrtes monachus	Hooded Vulture	AVES	CR	decreasing	Terrestrial, Freshwater
Glaucostegus cemiculus	Blackchin Guitarfish	CHONDRICHTHYES	CR	decreasing	Marine
Eriocaulon adamesii		LILIOPSIDA	CR	decreasing	Terrestrial, Freshwater
Pleiodon ovatus		BIVALVIA	CR	decreasing	Freshwater
Balaenoptera borealis	Sei Whale	MAMMALIA	EN	increasing	Marine
Balaenoptera musculus	Blue Whale	MAMMALIA	EN	increasing	Marine
Carcharhinus obscurus	Dusky Shark	CHONDRICHTHYES	EN	decreasing	Marine

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Cephalophus jentinki	Jentink's Duiker	MAMMALIA	EN	decreasing	Terrestrial
Cercopithecus diana	Diana Monkey	MAMMALIA	EN	decreasing	Terrestrial
Cetorhinus maximus	Basking Shark	CHONDRICHTHYES	EN	decreasing	Marine
Chelonia mydas	Green Turtle	REPTILIA	EN	decreasing	Terrestrial, Marine
Colobus polykomos	King Colobus	MAMMALIA	EN	decreasing	Terrestrial
Globonautes macropus	Tree Hole Crab	MALACOSTRACA	EN	decreasing	Freshwater
Smutsia gigantea	Giant Ground Pangolin	MAMMALIA	EN	decreasing	Terrestrial
Phataginus tricuspis	White-bellied Pangolin	MAMMALIA	EN	decreasing	Terrestrial
Pan troglodytes	Chimpanzee	MAMMALIA	EN	decreasing	Terrestrial
Piliocolobus badius ssp. temminckii	Temminck's Red Colobus	MAMMALIA	EN	decreasing	Terrestrial
Rhincodon typus	Whale Shark	CHONDRICHTHYES	EN	decreasing	Marine
Isurus oxyrinchus	Shortfin Mako	CHONDRICHTHYES	EN	decreasing	Marine
Piliocolobus badius ssp. badius	Bay Colobus	MAMMALIA	EN	decreasing	Terrestrial

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Mobula tarapacana	Sicklefin Devilray	CHONDRICHTHYES	EN	decreasing	Marine
Mobula thurstoni	Bentfin Devilray	CHONDRICHTHYES	EN	decreasing	Marine
Isurus paucus	Longfin Mako	CHONDRICHTHYES	EN	decreasing	Marine
Rostroraja alba	White Skate	CHONDRICHTHYES	EN	decreasing	Marine
Rhinobatos rhinobatos	Common Guitarfish	CHONDRICHTHYES	EN	decreasing	Marine
Fontitrygon margarita		CHONDRICHTHYES	EN	decreasing	Marine
Afropomus balanoidea		GASTROPODA	EN	decreasing	Freshwater
Notoglanidium thomasi		ACTINOPTERYGII	EN	unknown	Freshwater
Scriptaphyosemion bertholdi	Berthold's Killi	ACTINOPTERYGII	EN	unknown	Freshwater
Leptocypris taiaensis		ACTINOPTERYGII	EN	unknown	Freshwater
Epiplatys lokoensis		ACTINOPTERYGII	EN	unknown	Freshwater
Enteromius liberiensis	Carp	ACTINOPTERYGII	EN	unknown	Freshwater
Notoglanidium maculatum		ACTINOPTERYGII	EN	unknown	Marine, Freshwater

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Pterodroma madeira	Zino's Petrel	AVES	EN	stable	Terrestrial, Marine
Psittacus timneh	Timneh Parrot	AVES	EN	decreasing	Terrestrial, Freshwater
Gilbertiodendron tonkolili		MAGNOLIOPSIDA	EN	decreasing	Terrestrial
Pseudotolithus senegalensis	Cassava Croaker	ACTINOPTERYGII	EN	decreasing	Marine
Mobula mobular	Spinetail Devil Ray	CHONDRICHTHYES	EN	decreasing	Marine
Omphalocarpum ahia	Abe aguia	MAGNOLIOPSIDA	EN	decreasing	Terrestrial
Pavetta leonensis		MAGNOLIOPSIDA	EN	decreasing	Terrestrial
Mobula hypostoma	Atlantic Devilray	CHONDRICHTHYES	EN	decreasing	Marine
Dactyladenia smeathmannii		MAGNOLIOPSIDA	EN	unknown	Terrestrial
Sericanthe trilocularis		MAGNOLIOPSIDA	EN	decreasing	Terrestrial
Pleioceras afzelii		MAGNOLIOPSIDA	EN	unknown	Terrestrial
Piliocolobus badius	Western Red Colobus	MAMMALIA	EN	decreasing	Terrestrial

Restricted Range Species



Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Arthroleptis aureoli	Freetown Long-fingered Frog	AMPHIBIA	NT OR LR/NT	decreasing	Terrestrial
Oceanites oceanicus	Wilson's Storm-petrel	AVES	LC OR LR/LC	stable	Terrestrial, Marine

Biodiversity features which are likely to trigger Critical Habitat

Protected Areas

The following protected areas are found within 1 km and 10 km and 50 km of the area of interest. For further details please refer to the associated csv file in the report folder.

Area name	Distance	IUCN Category	Status	Designation	Recommendation
Sierra Leone River Estuary	1 km	Not Reported	Designated	Ramsar Site, Wetland of International Importance	 Assess for biodiversity risk
Waterloo	1 km	Not Reported	Designated	Forest Reserve	 Assess for biodiversity risk
Western Area	1 km	II	Designated	No or Non - Hunting Forest Reserve	 Assess for critical habitat
Western Area Peninsula Forest	1 km	Not Reported	Designated	National Park	 Assess for biodiversity risk
Yawri Bay	1 km	Not Reported	Designated	Marine Protected Area	 Assess for biodiversity risk
Sierra Leone River Estuary	10 km	Not Reported	Designated	Marine Protected Area	 Assess for biodiversity risk
Forest Reserve (Name unknown3)	50 km	Not Reported	Designated	Forest Reserve	 Assess for biodiversity risk

Area name	Distance	IUCN Category	Status	Designation	Recommendation
Occra Hills	50 km	Not Reported	Designated	Forest Reserve	Assess for biodiversity risk
Scarcies River Estuary	50 km	Not Reported	Designated	Marine Protected Area	Assess for biodiversity risk

Key Biodiversity Areas

The following key biodiversity areas are found within 1 km and 10 km and 50 km of the area of interest. For further details please refer to the associated csv file in the report folder.

Area name	Distance	IBA	AZE	Recommendation
Sierra Leone River Estuary	1 km	Yes	No	Assess for critical habitat
Western Area Peninsula Forest National Park	1 km	Yes	No	Assess for critical habitat
Yawri Bay	1 km	Yes	No	Assess for critical habitat

Species with potential to occur

Area Taxonomic group	Total assessed species	Total (CR, EN & VU)	CR	EN	VU	NT	LC	DD
REPTILIA	34	8	2	1	5	0	26	0
CHONDRICHTHYES	84	32	9	12	11	14	16	22

Area Taxonomic group	Total assessed species	Total (CR, EN & VU)	CR	EN	VU	NT	LC	DD
MAMMALIA	163	19	1	11	7	17	119	8
INSECTA	175	2	1	0	1	0	167	6
ACTINOPTERYGII	846	24	1	7	16	20	732	70
AVES	478	9	1	2	6	18	451	0
LILIOPSIDA	98	2	1	0	1	3	91	2
BIVALVIA	12	1	1	0	0	0	9	2
MALACOSTRACA	24	1	0	1	0	0	14	9
GASTROPODA	26	2	0	1	1	2	21	1
MAGNOLIOPSIDA	130	14	0	6	8	0	109	7
AMPHIBIA	39	0	0	0	0	1	37	1
ANTHOZOA	10	0	0	0	0	0	7	3
POLYPODIOPSIDA	2	0	0	0	0	0	2	0
HOLOTHUROIDEA	3	0	0	0	0	0	1	2
ARACHNIDA	5	0	0	0	0	0	5	0

Recommended citation

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Recommended Experts and Organizations

For projects located in critical habitat, clients must ensure that external experts with regional expertise are involved in further assessment (GN6: GN22). Clients are encouraged to develop partnerships with recognized and credible conservation organizations and/or academic institutes, especially with respect to potential developments in natural or critical habitat (GN6: GN23). Where critical habitats are triggered by priority species, species specialists must be involved. IBAT provides data originally collected by a large network of national partners, while species information is sourced via the IUCN Red List and affiliated Species Specialist Groups. These experts and organizations are listed below. **Please note that this is not intended as a comprehensive list of organizations and experts. These organizations and experts are under no obligation to support any further assessment and do so entirely at their discretion and under their terms. Any views expressed or recommendations made by these stakeholders should not be attributed to the IFC or IBAT for IFC partners.**

Birdlife Partners

URL: <https://www.birdlife.org/worldwide/partnership/birdlife-partners>

Directory for Species Survival Commission (SSC) Specialist Groups and Red List Authorities

URL: <https://www.iucn.org/commissions/ssc-groups>