

Integrated Biodiversity Assessment Tool

FRESHWATER REPORT

TIMBUKTU FW DEMO

Country: Mali

Location: [16.6, -2.9]

Date of analysis: 27 January 2021 (GMT)

Upstream: 50 km | 100 km | 150 km

Downstream: -50 km | -100 km | -150 km

Generated by: Ben Jobson

Organisation: IBAT

About this report

This report presents the results of [4449-13678] freshwater analysis and is one part of a package generated by IBAT that includes a full list of species in CSV format and a README file.

IBAT allows users to query data on freshwater species from The IUCN Red List of Threatened Species™. The IUCN Red List spatial data for freshwater species have recently been transferred to a new global sub-basin system (HydroBASINS) which has additional attributes that allow for upstream and downstream sub-basins to be identified. This has allowed for the development of additional functionality by which IBAT users can also identify which species are in specific upstream or downstream sub-basins from a sites of interest. This reflects the unique nature of freshwater systems, which have high degrees of connectivity meaning pressures can be transported large distances. Using the HydroBASINS attributes and updated species distributions mapped to sub-basins allows for enhanced understanding and leverages additional IUCN Red List data.

Specifically, this report will help answer:

- What species are native to a specific project site and the sub-basins hydrologically connected (upstream and downstream) to the project site?
- What are the IUCN Red List Categories of these species?
- What are the movement patterns (migratory status) of these species?

This new functionality will allow IBAT users to query species data not only in the sub-basins that directly overlay a project site but also in the sub-basins linked upstream and downstream, reflecting the high levels of connectivity and spread of pressures within freshwater systems.

Data used to generate this report: IUCN Red List - Jan 2021.

Please note the data caveats.

IUCN, together with the IUCN Species Survival Commission (SSC), are working to complete a comprehensive assessment of all described species of freshwater fishes, molluscs, odonates, decapods, turtles and crocodilians, as well as selected freshwater plants, for the IUCN Red List of Threatened Species. This assessment is not yet complete and as a result comprehensive freshwater biodiversity data are currently not available for some regions of the world. Comprehensive assessments have been completed for the freshwater crabs, crayfishes, shrimps and crocodilians. However, only those species with HydroBASINS spatial data will be considered in the report, meaning for example some assessed crocodilians without HydroBASINS will not be considered.

Additionally, it is not required to code the movement patterns (migratory status) of a species in a Red List assessment and so this information will be missing for some species. However, all freshwater fishes that are migratory should be coded as such.

Summary

Downstream Threatened species (CR+EN+VU) information

Taxonomic group	Site sub-basin	Species in downstream -50 km	Species in downstream -100 km	Species in downstream -150 km	Species in downstream beyond -150 km	Total Species
TURTLES	1	1	0	0	1	3
ODONATES	0	0	0	0	0	0
FISHES	0	0	0	0	12	12
DECAPODS	0	0	0	0	2	2
PLANTS	0	0	0	0	3	3
MOLLUSCS	2	2	0	0	0	4
All	3	3	0	0	18	24

Upstream Threatened species (CR+EN+VU) information

Taxonomic group	Site sub-basin	Species in upstream 50 km	Species in upstream 100 km	Species in upstream 150 km	Species in upstream beyond 150 km	Total Species
TURTLES	1	1	0	0	0	2
ODONATES	0	0	0	0	0	0
FISHES	0	0	0	0	5	5
DECAPODS	0	0	0	0	0	0
PLANTS	0	0	0	0	1	1

Taxonomic group	Site sub-basin	Species in upstream 50 km	Species in upstream 100 km	Species in upstream 150 km	Species in upstream beyond 150 km	Total Species
MOLLUSCS	2	2	0	0	3	7
All	3	3	0	0	9	15

Downstream Migratory species information

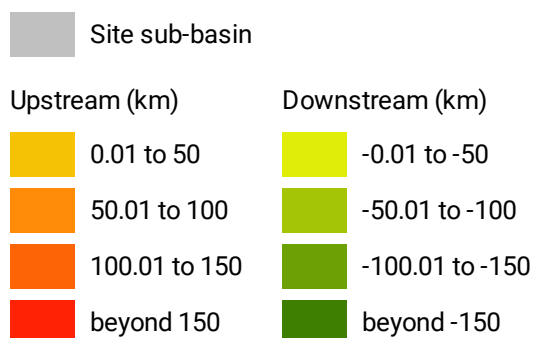
Taxonomic group	Site sub-basin	Species in downstream -50 km	Species in downstream -100 km	Species in downstream -150 km	Species in downstream beyond -150 km	Total Species
TURTLES	0	0	0	0	0	0
ODONATES	3	3	0	0	2	8
FISHES	34	34	0	0	43	111
DECAPODS	0	0	0	0	2	2
PLANTS	0	0	0	0	0	0
MOLLUSCS	0	0	0	0	0	0
All	37	37	0	0	47	121

Upstream Migratory species information

Taxonomic group	Site sub-basin	Species in upstream 50 km	Species in upstream 100 km	Species in upstream 150 km	Species in upstream beyond 150 km	Total Species
TURTLES	0	0	0	0	0	0
ODONATES	3	3	0	0	2	8

Taxonomic group	Site sub-basin	Species in upstream 50 km	Species in upstream 100 km	Species in upstream 150 km	Species in upstream beyond 150 km	Total Species
FISHES	34	39	0	0	24	97
DECAPODS	0	0	0	0	0	0
PLANTS	0	0	0	0	0	0
MOLLUSCS	0	0	0	0	0	0
All	37	42	0	0	26	105

Site sub-basin



Sub-basin information

Category (distance from site km)	No. of sub basins in category	Area of category km ²
0	1	251.7

Species Richness Information

Number of freshwater species present in selected sub-basins in total, grouped by taxonomy and by Red List Category.

Taxonomic group	All species	Critically Endangered	Endangered	Vulnerable	Near Threatened
TURTLES	1	0	0	1	0
ODONATES	14	0	0	0	0
FISHES	61	0	0	0	0
DECAPODS	2	0	0	0	0
PLANTS	59	0	0	0	0
MOLLUSCS	25	0	1	1	0
All	162	0	1	2	0

Threatened species (CR+EN+VU)

Details of threatened freshwater species present in selected sub-basins. 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

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Cyclanorbis senegalensis	Senegal Flapshell Turtle	TURTLES	VU	Decreasing	Terrestrial, Freshwater
Mutela franci		MOLLUSCS	EN	Decreasing	Freshwater
Aspatharia pangallensis		MOLLUSCS	VU	Decreasing	Freshwater

Migratory Species

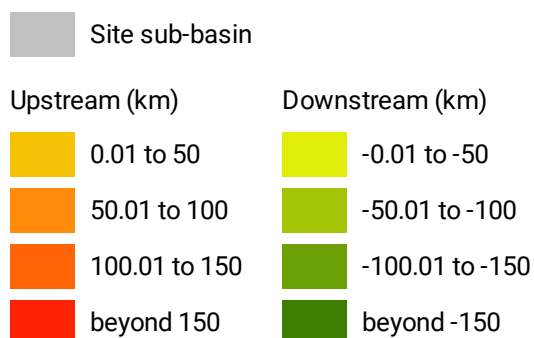
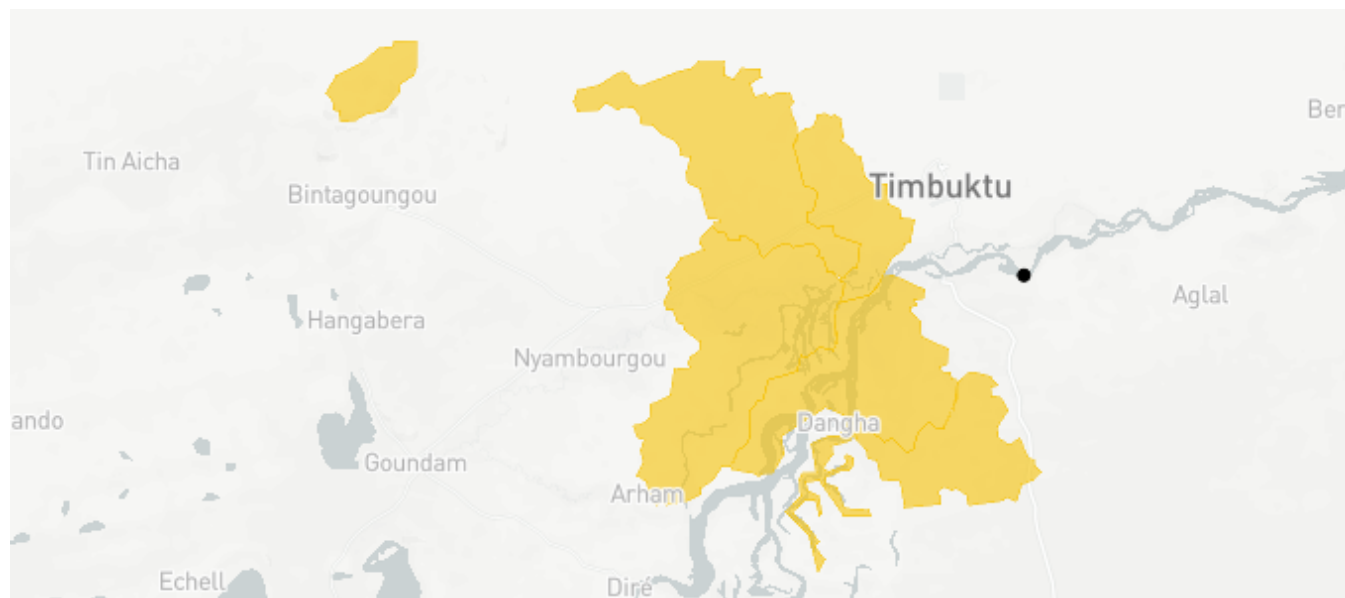
Details of migratory freshwater species present in selected sub-basins. For the full IUCN Red List please refer to the associated csv in the report folder.

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Anax ephippiger	Vagrant Emperor	ODONATES	LC or LR/lc	Full Migrant
Tholymis tillarga	Old World Twister	ODONATES	LC or LR/lc	Full Migrant
Tamea basilaris	Keyhole Glider	ODONATES	LC or LR/lc	Full Migrant
Schilbe mystus	African Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Bagrus bajad	Black Nile Catfish	FISHES	LC or LR/lc	Full Migrant
Pellonula leonensis	Smalltoothed Pellonula	FISHES	LC or LR/lc	Full Migrant
Protopterus annectens	African Lungfish	FISHES	LC or LR/lc	Full Migrant
Hyperopisus bebe		FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Siluranodon auritus	Butterfish	FISHES	LC or LR/lc	Full Migrant
Schilbe intermedius	Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis occidentalis	Bubu	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis biscutatus	Black Spotted Catfish	FISHES	LC or LR/lc	Full Migrant
Lates niloticus	Nile Perch	FISHES	LC or LR/lc	Full Migrant
Petrocephalus bovei	Mormyrid	FISHES	LC or LR/lc	Full Migrant
Brycinus leuciscus	Yellow-fin Tetras	FISHES	LC or LR/lc	Full Migrant
Citharinops distichodoides		FISHES	LC or LR/lc	Full Migrant
Alestes dentex	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Hemichromis fasciatus	Banded Jewelfish	FISHES	LC or LR/lc	Full Migrant
Nannocharax occidentalis		FISHES	LC or LR/lc	Full Migrant
Mormyrus hasselquistii	Elephant Fish	FISHES	LC or LR/lc	Full Migrant
Citharinus citharus		FISHES	LC or LR/lc	Full Migrant
Labeo coubie	African Carp	FISHES	LC or LR/lc	Full Migrant
Ctenopoma petherici		FISHES	LC or LR/lc	Full Migrant
Synodontis batensoda	Upsidedown Catfish	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Alestes baremoze	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Synodontis membranaceus	Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus brevis	Tiger Fish	FISHES	LC or LR/lc	Full Migrant
Raiamas senegalensis	Senegal Minnow	FISHES	LC or LR/lc	Full Migrant
Mormyrus rume		FISHES	LC or LR/lc	Full Migrant
Brycinus macrolepidotus	Large Scaled Robber	FISHES	LC or LR/lc	Full Migrant
Distichodus rostratus	Grass-eater	FISHES	LC or LR/lc	Full Migrant
Leptocypris niloticus	Nile Minnow	FISHES	LC or LR/lc	Full Migrant
Pollimyrus isidori		FISHES	LC or LR/lc	Full Migrant
Synodontis schall	Wahrindi	FISHES	LC or LR/lc	Full Migrant
Marcusenius senegalensis		FISHES	LC or LR/lc	Full Migrant
Chrysichthys nigrodigitatus	Bagrid Catfish	FISHES	LC or LR/lc	Full Migrant
Parachanna obscura	Snake-head	FISHES	LC or LR/lc	Full Migrant

Upstream 0.01 to 50



Sub-basin information

Category (distance from site km)	No. of sub basins in category	Area of category km ²
0.01 to 50	9	1847.0

Species Richness Information

Number of freshwater species present in selected sub-basins in total, grouped by taxonomy and by Red List Category.

Taxonomic group	All species	Critically Endangered	Endangered	Vulnerable	Near Threatened
TURTLES	1	0	0	1	0
MOLLUSCS	28	0	1	1	0
ODONATES	16	0	0	0	0
FISHES	71	0	0	0	0
DECAPODS	2	0	0	0	0
PLANTS	59	0	0	0	0
All	177	0	1	2	0

Threatened species (CR+EN+VU)

Details of threatened freshwater species present in selected sub-basins. 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

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Cyclanorbis senegalensis	Senegal Flapshell Turtle	TURTLES	VU	Decreasing	Terrestrial, Freshwater
Mutela franci		MOLLUSCS	EN	Decreasing	Freshwater
Aspatharia pangallensis		MOLLUSCS	VU	Decreasing	Freshwater

Migratory Species

Details of migratory freshwater species present in selected sub-basins. For the full IUCN Red List please refer to the associated csv in the report folder.

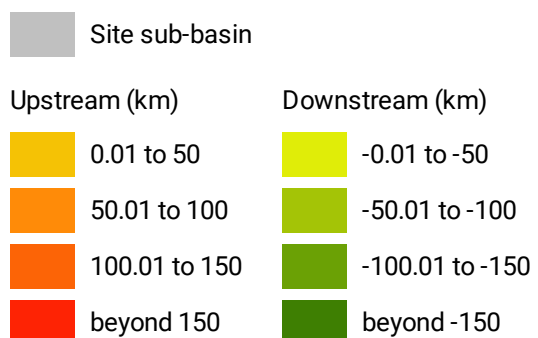
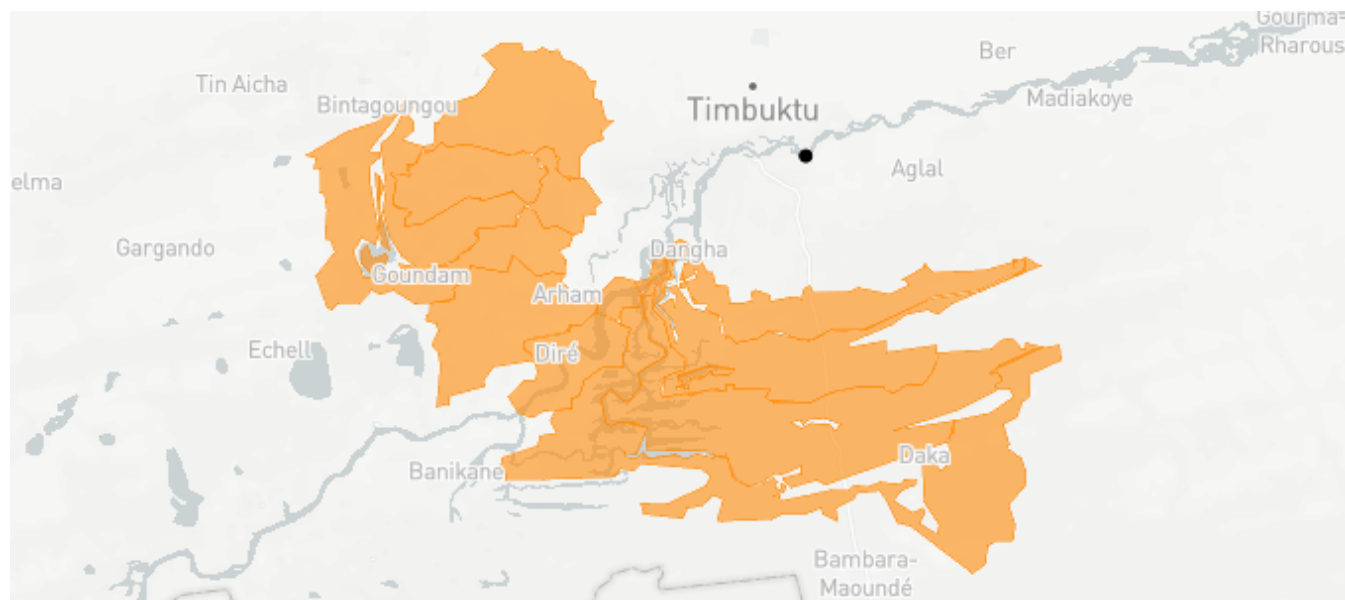
Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Anax ephippiger	Vagrant Emperor	ODONATES	LC or LR/lc	Full Migrant
Tholymis tillarga	Old World Twister	ODONATES	LC or LR/lc	Full Migrant
Tamea basilaris	Keyhole Glider	ODONATES	LC or LR/lc	Full Migrant
Schilbe mystus	African Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Bagrus bajad	Black Nile Catfish	FISHES	LC or LR/lc	Full Migrant
Synodontis nigrita	Catfish	FISHES	LC or LR/lc	Full Migrant
Pellonula leonensis	Smalltoothed Pellonula	FISHES	LC or LR/lc	Full Migrant
Protopterus annectens	African Lungfish	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Hyperopisus bebe		FISHES	LC or LR/lc	Full Migrant
Enteromius stigmatopygus	Midspot Barb	FISHES	LC or LR/lc	Full Migrant
Siluranodon auritus	Butterfish	FISHES	LC or LR/lc	Full Migrant
Brevimyrus niger		FISHES	LC or LR/lc	Full Migrant
Schilbe intermedius	Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus vittatus	Tigerfish	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis occidentalis	Bubu	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis biscutatus	Black Spotted Catfish	FISHES	LC or LR/lc	Full Migrant
Lates niloticus	Nile Perch	FISHES	LC or LR/lc	Full Migrant
Petrocephalus bovei	Mormyrid	FISHES	LC or LR/lc	Full Migrant
Brycinus leuciscus	Yellow-fin Tetras	FISHES	LC or LR/lc	Full Migrant
Citharinops distichodoides		FISHES	LC or LR/lc	Full Migrant
Alestes dentex	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Hemichromis fasciatus	Banded Jewelfish	FISHES	LC or LR/lc	Full Migrant
Nannocharax occidentalis		FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Mormyrus hasselquistii	Elephant Fish	FISHES	LC or LR/lc	Full Migrant
Citharinus citharus		FISHES	LC or LR/lc	Full Migrant
Labeo coubie	African Carp	FISHES	LC or LR/lc	Full Migrant
Ctenopoma petherici		FISHES	LC or LR/lc	Full Migrant
Synodontis batensoda	Upsidedown Catfish	FISHES	LC or LR/lc	Full Migrant
Alestes baremoze	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Synodontis membranaceus	Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus brevis	Tiger Fish	FISHES	LC or LR/lc	Full Migrant
Raiamas senegalensis	Senegal Minnow	FISHES	LC or LR/lc	Full Migrant
Enteromius sublineatus		FISHES	LC or LR/lc	Full Migrant
Mormyrus rume		FISHES	LC or LR/lc	Full Migrant
Brycinus macrolepidotus	Large Scaled Robber	FISHES	LC or LR/lc	Full Migrant
Distichodus rostratus	Grass-eater	FISHES	LC or LR/lc	Full Migrant
Leptocypris niloticus	Nile Minnow	FISHES	LC or LR/lc	Full Migrant
Pollimyrus isidori		FISHES	LC or LR/lc	Full Migrant
Synodontis schall	Wahrindi	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Marcusenius senegalensis		FISHES	LC or LR/lc	Full Migrant
Chrysichthys nigrodigitatus	Bagrid Catfish	FISHES	LC or LR/lc	Full Migrant
Parachanna obscura	Snake-head	FISHES	LC or LR/lc	Full Migrant

Upstream 50.01 to 100



Sub-basin information

Category (distance from site km)	No. of sub basins in category	Area of category km ²
50.01 to 100	15	6970.0

Species Richness Information

Number of freshwater species present in selected sub-basins in total, grouped by taxonomy and by Red List Category.

Taxonomic group	All species	Critically Endangered	Endangered	Vulnerable	Near Threatened
TURTLES	1	0	0	1	0
MOLLUSCS	28	0	1	1	0
ODONATES	17	0	0	0	0
FISHES	71	0	0	0	0
DECAPODS	2	0	0	0	0
PLANTS	63	0	0	0	0
All	182	0	1	2	0

Threatened species (CR+EN+VU)

Details of threatened freshwater species present in selected sub-basins. 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

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Cyclanorbis senegalensis	Senegal Flapshell Turtle	TURTLES	VU	Decreasing	Terrestrial, Freshwater
Mutela franci		MOLLUSCS	EN	Decreasing	Freshwater
Aspatharia pangallensis		MOLLUSCS	VU	Decreasing	Freshwater

Migratory Species

Details of migratory freshwater species present in selected sub-basins. For the full IUCN Red List please refer to the associated csv in the report folder.

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Anax ephippiger	Vagrant Emperor	ODONATES	LC or LR/lc	Full Migrant
Tholymis tillarga	Old World Twister	ODONATES	LC or LR/lc	Full Migrant
Tamea basilaris	Keyhole Glider	ODONATES	LC or LR/lc	Full Migrant
Schilbe mystus	African Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Bagrus bajad	Black Nile Catfish	FISHES	LC or LR/lc	Full Migrant
Synodontis nigrita	Catfish	FISHES	LC or LR/lc	Full Migrant
Pellonula leonensis	Smalltoothed Pellonula	FISHES	LC or LR/lc	Full Migrant
Protopterus annectens	African Lungfish	FISHES	LC or LR/lc	Full Migrant

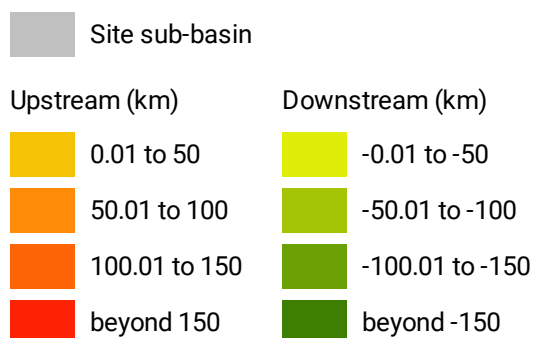
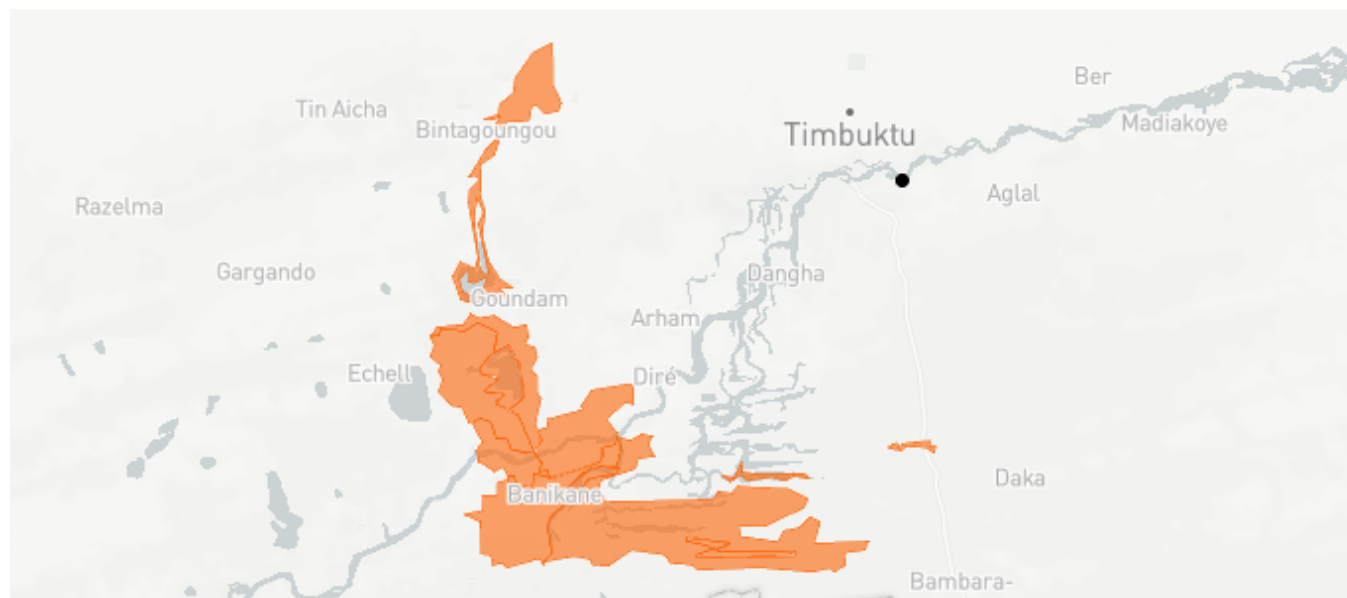
Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Hyperopisus bebe		FISHES	LC or LR/lc	Full Migrant
Enteromius stigmatopygus	Midspot Barb	FISHES	LC or LR/lc	Full Migrant
Siluranodon auritus	Butterfish	FISHES	LC or LR/lc	Full Migrant
Brevimyrus niger		FISHES	LC or LR/lc	Full Migrant
Schilbe intermedius	Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus vittatus	Tigerfish	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis occidentalis	Bubu	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis biscutatus	Black Spotted Catfish	FISHES	LC or LR/lc	Full Migrant
Lates niloticus	Nile Perch	FISHES	LC or LR/lc	Full Migrant
Petrocephalus bovei	Mormyrid	FISHES	LC or LR/lc	Full Migrant
Brycinus leuciscus	Yellow-fin Tetras	FISHES	LC or LR/lc	Full Migrant
Citharinops distichodoides		FISHES	LC or LR/lc	Full Migrant
Alestes dentex	Pebble Fish	FISHES	LC or LR/lc	Full Migrant
Hemichromis fasciatus	Banded Jewelfish	FISHES	LC or LR/lc	Full Migrant
Nannocharax occidentalis		FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Mormyrus hasselquistii	Elephant Fish	FISHES	LC or LR/lc	Full Migrant
Citharinus citharus		FISHES	LC or LR/lc	Full Migrant
Labeo coubie	African Carp	FISHES	LC or LR/lc	Full Migrant
Ctenopoma petherici		FISHES	LC or LR/lc	Full Migrant
Synodontis batensoda	Upsidedown Catfish	FISHES	LC or LR/lc	Full Migrant
Alestes baremoze	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Synodontis membranaceus	Catfish	FISHES	LC or LR/lc	Full Migrant
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Marcusenius senegalensis		FISHES	LC or LR/lc	Full Migrant
Chrysichthys nigrodigitatus	Bagrid Catfish	FISHES	LC or LR/lc	Full Migrant
Parachanna obscura	Snake-head	FISHES	LC or LR/lc	Full Migrant

Upstream 100.01 to 150



Sub-basin information

Category (distance from site km)	No. of sub basins in category	Area of category km ²
100.01 to 150	13	2218.2

Species Richness Information

Number of freshwater species present in selected sub-basins in total, grouped by taxonomy and by Red List Category.

Taxonomic group	All species	Critically Endangered	Endangered	Vulnerable	Near Threatened
TURTLES	1	0	0	1	0
MOLLUSCS	27	0	1	1	0
ODONATES	17	0	0	0	0
FISHES	71	0	0	0	0
DECAPODS	2	0	0	0	0
PLANTS	62	0	0	0	0
All	180	0	1	2	0

Threatened species (CR+EN+VU)

Details of threatened freshwater species present in selected sub-basins. 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

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
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Mutela franci		MOLLUSCS	EN	Decreasing	Freshwater
Aspatharia pangallensis		MOLLUSCS	VU	Decreasing	Freshwater

Migratory Species

Details of migratory freshwater species present in selected sub-basins. For the full IUCN Red List please refer to the associated csv in the report folder.

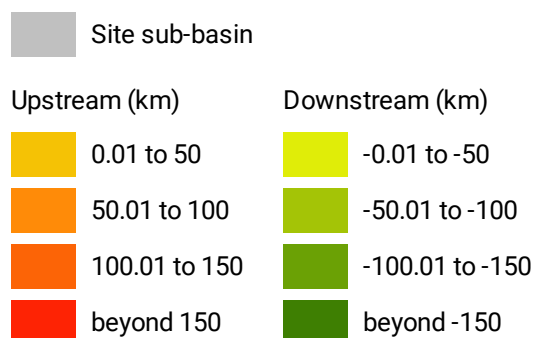
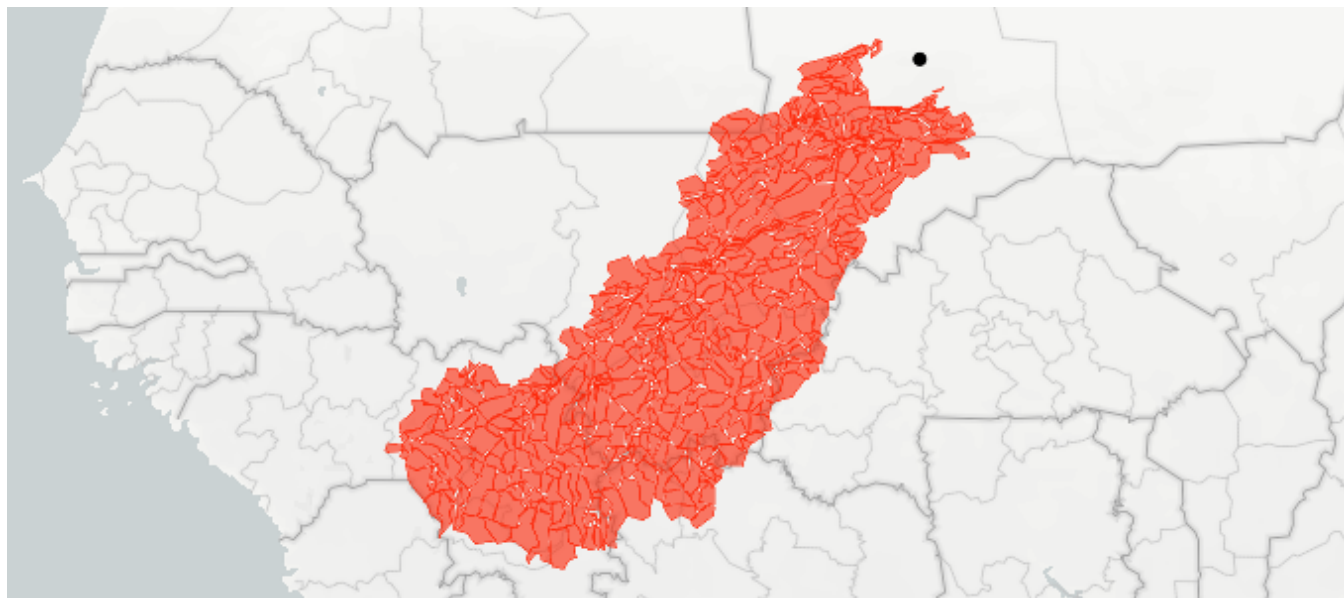
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Labeo coubie	African Carp	FISHES	LC or LR/lc	Full Migrant
Ctenopoma petherici		FISHES	LC or LR/lc	Full Migrant
Synodontis batensoda	Upsidedown Catfish	FISHES	LC or LR/lc	Full Migrant
Alestes baremoze	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Synodontis membranaceus	Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus brevis	Tiger Fish	FISHES	LC or LR/lc	Full Migrant
Raiamas senegalensis	Senegal Minnow	FISHES	LC or LR/lc	Full Migrant
Enteromius sublineatus		FISHES	LC or LR/lc	Full Migrant
Mormyrus rume		FISHES	LC or LR/lc	Full Migrant
Brycinus macrolepidotus	Large Scaled Robber	FISHES	LC or LR/lc	Full Migrant
Distichodus rostratus	Grass-eater	FISHES	LC or LR/lc	Full Migrant
Leptocypris niloticus	Nile Minnow	FISHES	LC or LR/lc	Full Migrant
Pollimyrus isidori		FISHES	LC or LR/lc	Full Migrant
Synodontis schall	Wahrindi	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Marcusenius senegalensis		FISHES	LC or LR/lc	Full Migrant
Chrysichthys nigrodigitatus	Bagrid Catfish	FISHES	LC or LR/lc	Full Migrant
Parachanna obscura	Snake-head	FISHES	LC or LR/lc	Full Migrant

Upstream beyond 150



Sub-basin information

Category (distance from site km)	No. of sub basins in category	Area of category km ²
beyond 150	686	367851.8

Species Richness Information

Number of freshwater species present in selected sub-basins in total, grouped by taxonomy and by Red List Category.

Taxonomic group	All species	Critically Endangered	Endangered	Vulnerable	Near Threatened
TURTLES	1	0	0	1	0
MOLLUSCS	37	1	2	2	0
ODONATES	125	0	0	0	0
FISHES	160	0	3	2	0
DECAPODS	5	0	0	0	0
PLANTS	151	1	0	0	0
All	479	2	5	5	0

Threatened species (CR+EN+VU)

Details of threatened freshwater species present in selected sub-basins. 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

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Cyclanorbis senegalensis	Senegal Flapshell Turtle	TURTLES	VU	Decreasing	Terrestrial, Freshwater
Mutela franci		MOLLUSCS	EN	Decreasing	Freshwater
Mutela joubini		MOLLUSCS	EN	Decreasing	Freshwater
Aspatharia pangallensis		MOLLUSCS	VU	Decreasing	Freshwater
Pleiodon ovatus		MOLLUSCS	CR	Decreasing	Freshwater
Aspatharia droueti		MOLLUSCS	VU	Decreasing	Freshwater
Clarias laeviceps		FISHES	VU	Unknown	Freshwater
Mormyrops oudoti		FISHES	EN	Unknown	Freshwater
Enteromius raimbaulti		FISHES	VU	Unknown	Freshwater
Brycinus carolinae		FISHES	EN	Unknown	Freshwater
Amphilius sp. nov. 'Niger River drainage'		FISHES	EN	Unknown	Freshwater
Elatine fauquei		PLANTS	CR	Decreasing	Freshwater

Migratory Species

Details of migratory freshwater species present in selected sub-basins. For the full IUCN Red List please refer to the associated csv in the report folder.

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
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Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Anax ephippiger	Vagrant Emperor	ODONATES	LC or LR/lc	Full Migrant
Tholymis tillarga	Old World Twister	ODONATES	LC or LR/lc	Full Migrant
Tramea basilaris	Keyhole Glider	ODONATES	LC or LR/lc	Full Migrant
Tramea limbata	Ferruginous Glider	ODONATES	LC or LR/lc	Full Migrant
Schilbe mystus	African Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Bagrus bajad	Black Nile Catfish	FISHES	LC or LR/lc	Full Migrant
Synodontis nigrita	Catfish	FISHES	LC or LR/lc	Full Migrant
Pellonula leonensis	Smalltoothed Pellonula	FISHES	LC or LR/lc	Full Migrant
Protopterus annectens	African Lungfish	FISHES	LC or LR/lc	Full Migrant
Labeo parvus	African Carp	FISHES	LC or LR/lc	Full Migrant
Enteromius ablabe		FISHES	LC or LR/lc	Full Migrant
Hyperopisus bebe		FISHES	LC or LR/lc	Full Migrant
Enteromius stigmatopygus	Midspot Barb	FISHES	LC or LR/lc	Full Migrant
Siluranodon auritus	Butterfish	FISHES	LC or LR/lc	Full Migrant
Gymnarchus niloticus	Aba	FISHES	LC or LR/lc	Full Migrant
Brevimyrus niger		FISHES	LC or LR/lc	Full Migrant

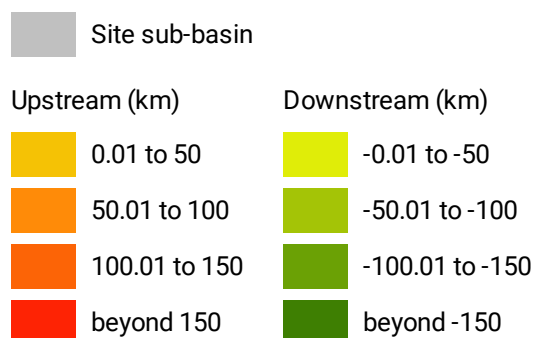
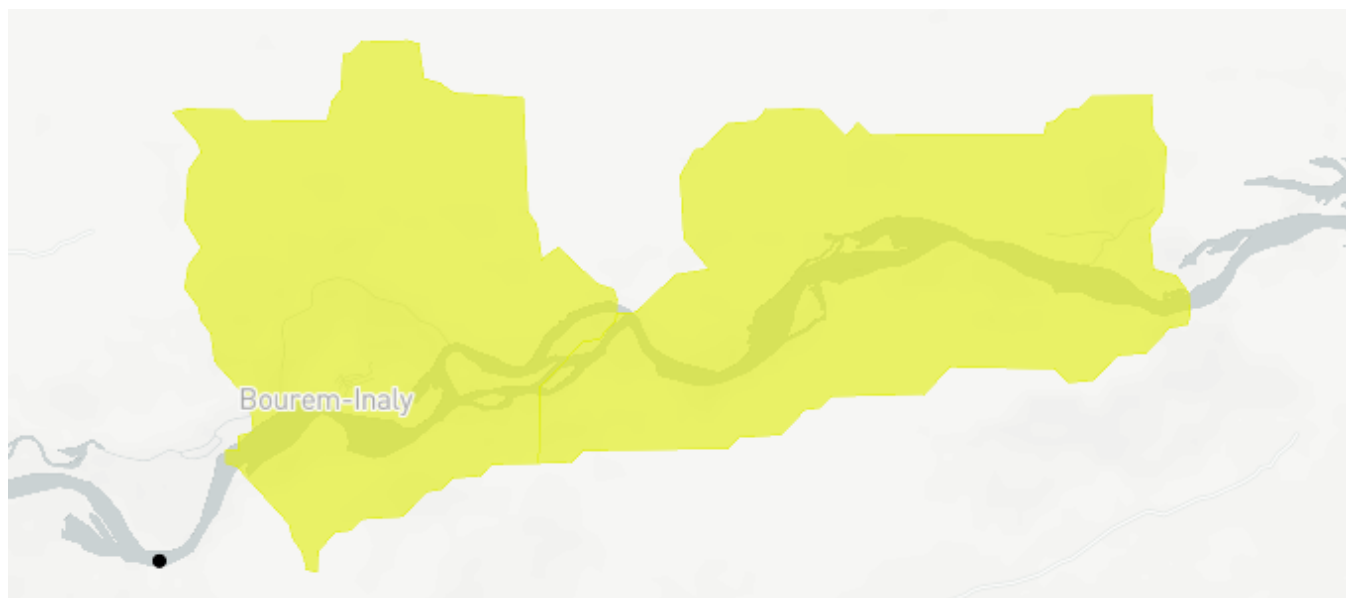
Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Clypeobarbus hypsolepis		FISHES	LC or LR/lc	Full Migrant
Schilbe intermedius	Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus vittatus	Tigerfish	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis occidentalis	Bubu	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis biscutatus	Black Spotted Catfish	FISHES	LC or LR/lc	Full Migrant
Lates niloticus	Nile Perch	FISHES	LC or LR/lc	Full Migrant
Petrocephalus bovei	Mormyrid	FISHES	LC or LR/lc	Full Migrant
Brycinus leuciscus	Yellow-fin Tetras	FISHES	LC or LR/lc	Full Migrant
Synodontis clarias	Squeaker	FISHES	LC or LR/lc	Full Migrant
Citharinops distichodoides		FISHES	LC or LR/lc	Full Migrant
Mormyrops anguilloides	Cornish Jack	FISHES	LC or LR/lc	Full Migrant
Alestes dentex	Pebble Fish	FISHES	LC or LR/lc	Full Migrant
Hemichromis fasciatus	Banded Jewelfish	FISHES	LC or LR/lc	Full Migrant
Nannocharax occidentalis		FISHES	LC or LR/lc	Full Migrant
Mormyrus macrophthalmus	Trunkfish	FISHES	LC or LR/lc	Full Migrant
Raiamas nigeriensis	Aeroplane Fish	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Mormyrus hasselquistii	Elephant Fish	FISHES	LC or LR/lc	Full Migrant
Citharinus citharus		FISHES	LC or LR/lc	Full Migrant
Labeo coubie	African Carp	FISHES	LC or LR/lc	Full Migrant
Ctenopoma petherici		FISHES	LC or LR/lc	Full Migrant
Enteromius macinensis		FISHES	LC or LR/lc	Full Migrant
Hydrocynus forskahlii	Elongate Tigerfish	FISHES	LC or LR/lc	Full Migrant
Synodontis batensoda	Upsidedown Catfish	FISHES	LC or LR/lc	Full Migrant
Nannocharax ansorgii		FISHES	LC or LR/lc	Full Migrant
Alestes baremoze	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Synodontis membranaceus	Catfish	FISHES	LC or LR/lc	Full Migrant
Hemichromis bimaculatus	Jewelfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus brevis	Tiger Fish	FISHES	LC or LR/lc	Full Migrant
Enteromius macrops	Blackstripe Barb	FISHES	LC or LR/lc	Full Migrant
Enteromius pobeguini		FISHES	LC or LR/lc	Full Migrant
Raiamas senegalensis	Senegal Minnow	FISHES	LC or LR/lc	Full Migrant
Enteromius sublineatus		FISHES	LC or LR/lc	Full Migrant
Mormyrus rume		FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Brycinus macrolepidotus	Large Scaled Robber	FISHES	LC or LR/lc	Full Migrant
Nannocharax fasciatus		FISHES	LC or LR/lc	Full Migrant
Distichodus rostratus	Grass-eater	FISHES	LC or LR/lc	Full Migrant
Citharidium ansorgii		FISHES	DD	Full Migrant
Leptocypris niloticus	Nile Minnow	FISHES	LC or LR/lc	Full Migrant
Pollimyrus isidori		FISHES	LC or LR/lc	Full Migrant
Synodontis schall	Wahrindi	FISHES	LC or LR/lc	Full Migrant
Pollimyrus petricolus	Markala Mormyrid	FISHES	LC or LR/lc	Full Migrant
Marcusenius senegalensis		FISHES	LC or LR/lc	Full Migrant
Chrysichthys nigrodigitatus	Bagrid Catfish	FISHES	LC or LR/lc	Full Migrant
Parachanna obscura	Snake-head	FISHES	LC or LR/lc	Full Migrant
Pantala flavescens	Wandering Glider	ODONATES	LC or LR/lc	Full Migrant
Micralestes occidentalis	Red-fin Tetra	FISHES	LC or LR/lc	Full Migrant
Enteromius baudoni		FISHES	LC or LR/lc	Full Migrant
Rhabdalestes septentrionalis		FISHES	LC or LR/lc	Full Migrant
Heterobranchus longifilis	Vundu	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Mochokus niloticus		FISHES	LC or LR/lc	Full Migrant
Brycinus imberi	Spot-tail Robber	FISHES	LC or LR/lc	Full Migrant
Labeobarbus bynni ssp. waldroni		FISHES	LC or LR/lc	Full Migrant

Downstream -0.01 to -50



Sub-basin information

Category (distance from site km)	No. of sub basins in category	Area of category km ²
-0.01 to -50	2	333.6

Species Richness Information

Number of freshwater species present in selected sub-basins in total, grouped by taxonomy and by Red List Category.

Taxonomic group	All species	Critically Endangered	Endangered	Vulnerable	Near Threatened
TURTLES	1	0	0	1	0
ODONATES	14	0	0	0	0
FISHES	61	0	0	0	0
DECAPODS	2	0	0	0	0
PLANTS	58	0	0	0	0
MOLLUSCS	25	0	1	1	0
All	161	0	1	2	0

Threatened species (CR+EN+VU)

Details of threatened freshwater species present in selected sub-basins. 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

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Cyclanorbis senegalensis	Senegal Flapshell Turtle	TURTLES	VU	Decreasing	Terrestrial, Freshwater
Mutela franci		MOLLUSCS	EN	Decreasing	Freshwater
Aspatharia pangallensis		MOLLUSCS	VU	Decreasing	Freshwater

Migratory Species

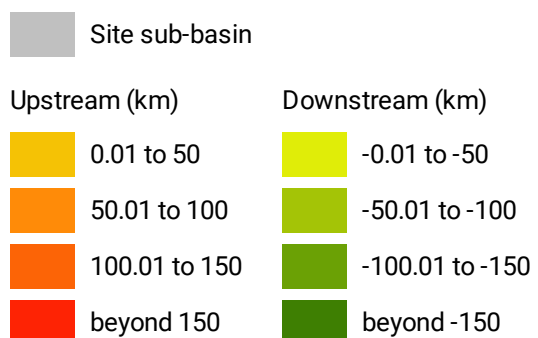
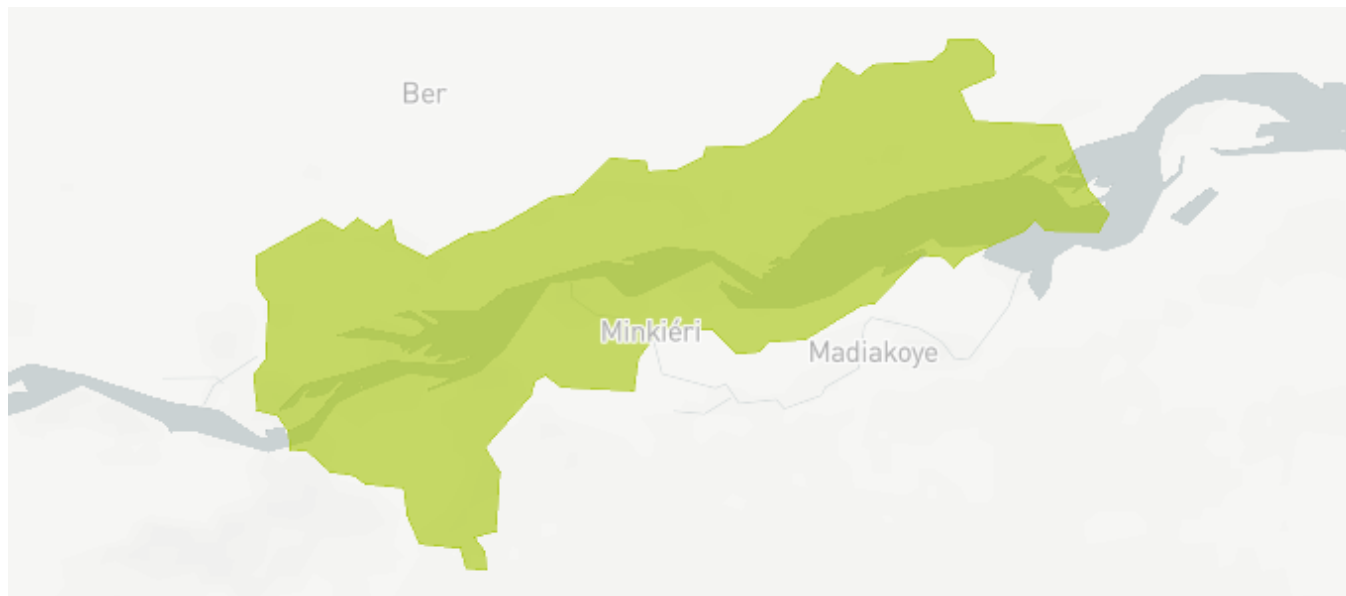
Details of migratory freshwater species present in selected sub-basins. For the full IUCN Red List please refer to the associated csv in the report folder.

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Anax ephippiger	Vagrant Emperor	ODONATES	LC or LR/lc	Full Migrant
Tholymis tillarga	Old World Twister	ODONATES	LC or LR/lc	Full Migrant
Tamea basilaris	Keyhole Glider	ODONATES	LC or LR/lc	Full Migrant
Schilbe mystus	African Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Bagrus bajad	Black Nile Catfish	FISHES	LC or LR/lc	Full Migrant
Pellonula leonensis	Smalltoothed Pellonula	FISHES	LC or LR/lc	Full Migrant
Protopterus annectens	African Lungfish	FISHES	LC or LR/lc	Full Migrant
Hyperopisus bebe		FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Siluranodon auritus	Butterfish	FISHES	LC or LR/lc	Full Migrant
Schilbe intermedius	Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis occidentalis	Bubu	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis biscutatus	Black Spotted Catfish	FISHES	LC or LR/lc	Full Migrant
Lates niloticus	Nile Perch	FISHES	LC or LR/lc	Full Migrant
Petrocephalus bovei	Mormyrid	FISHES	LC or LR/lc	Full Migrant
Brycinus leuciscus	Yellow-fin Tetras	FISHES	LC or LR/lc	Full Migrant
Citharinops distichodoides		FISHES	LC or LR/lc	Full Migrant
Alestes dentex	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Hemichromis fasciatus	Banded Jewelfish	FISHES	LC or LR/lc	Full Migrant
Nannocharax occidentalis		FISHES	LC or LR/lc	Full Migrant
Mormyrus hasselquistii	Elephant Fish	FISHES	LC or LR/lc	Full Migrant
Citharinus citharus		FISHES	LC or LR/lc	Full Migrant
Labeo coubie	African Carp	FISHES	LC or LR/lc	Full Migrant
Ctenopoma petherici		FISHES	LC or LR/lc	Full Migrant
Synodontis batensoda	Upsidedown Catfish	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Alestes baremoze	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Synodontis membranaceus	Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus brevis	Tiger Fish	FISHES	LC or LR/lc	Full Migrant
Raiamas senegalensis	Senegal Minnow	FISHES	LC or LR/lc	Full Migrant
Mormyrus rume		FISHES	LC or LR/lc	Full Migrant
Brycinus macrolepidotus	Large Scaled Robber	FISHES	LC or LR/lc	Full Migrant
Distichodus rostratus	Grass-eater	FISHES	LC or LR/lc	Full Migrant
Leptocypris niloticus	Nile Minnow	FISHES	LC or LR/lc	Full Migrant
Pollimyrus isidori		FISHES	LC or LR/lc	Full Migrant
Synodontis schall	Wahrindi	FISHES	LC or LR/lc	Full Migrant
Marcusenius senegalensis		FISHES	LC or LR/lc	Full Migrant
Chrysichthys nigrodigitatus	Bagrid Catfish	FISHES	LC or LR/lc	Full Migrant
Parachanna obscura	Snake-head	FISHES	LC or LR/lc	Full Migrant

Downstream -50.01 to -100



Sub-basin information

Category (distance from site km)	No. of sub basins in category	Area of category km ²
-50.01 to -100	1	254.3

Species Richness Information

Number of freshwater species present in selected sub-basins in total, grouped by taxonomy and by Red List Category.

Taxonomic group	All species	Critically Endangered	Endangered	Vulnerable	Near Threatened
TURTLES	1	0	0	1	0
ODONATES	14	0	0	0	0
FISHES	61	0	0	0	0
DECAPODS	2	0	0	0	0
PLANTS	57	0	0	0	0
MOLLUSCS	25	0	1	1	0
All	160	0	1	2	0

Threatened species (CR+EN+VU)

Details of threatened freshwater species present in selected sub-basins. 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

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Cyclanorbis senegalensis	Senegal Flapshell Turtle	TURTLES	VU	Decreasing	Terrestrial, Freshwater
Mutela franci		MOLLUSCS	EN	Decreasing	Freshwater
Aspatharia pangallensis		MOLLUSCS	VU	Decreasing	Freshwater

Migratory Species

Details of migratory freshwater species present in selected sub-basins. For the full IUCN Red List please refer to the associated csv in the report folder.

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Anax ephippiger	Vagrant Emperor	ODONATES	LC or LR/lc	Full Migrant
Tholymis tillarga	Old World Twister	ODONATES	LC or LR/lc	Full Migrant
Tamea basilaris	Keyhole Glider	ODONATES	LC or LR/lc	Full Migrant
Schilbe mystus	African Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Bagrus bajad	Black Nile Catfish	FISHES	LC or LR/lc	Full Migrant
Pellonula leonensis	Smalltoothed Pellonula	FISHES	LC or LR/lc	Full Migrant
Protopterus annectens	African Lungfish	FISHES	LC or LR/lc	Full Migrant
Hyperopisus bebe		FISHES	LC or LR/lc	Full Migrant

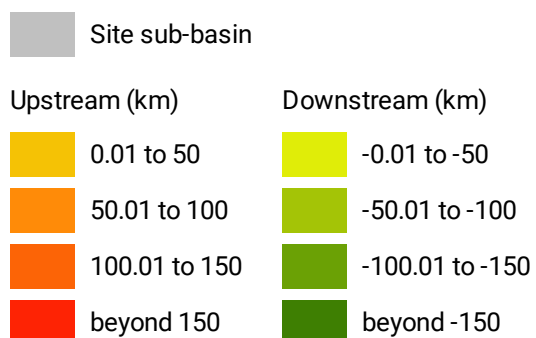
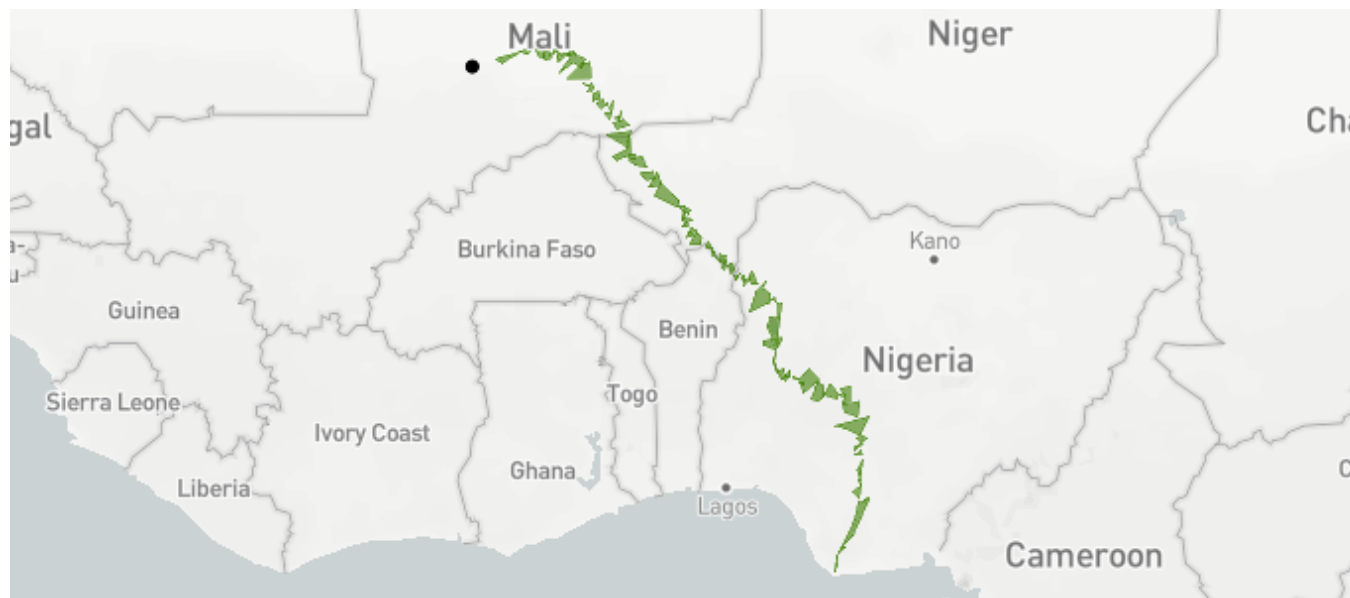
Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Siluranodon auritus	Butterfish	FISHES	LC or LR/lc	Full Migrant
Schilbe intermedius	Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis occidentalis	Bubu	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis biscutatus	Black Spotted Catfish	FISHES	LC or LR/lc	Full Migrant
Lates niloticus	Nile Perch	FISHES	LC or LR/lc	Full Migrant
Petrocephalus bovei	Mormyrid	FISHES	LC or LR/lc	Full Migrant
Brycinus leuciscus	Yellow-fin Tetras	FISHES	LC or LR/lc	Full Migrant
Citharinops distichodoides		FISHES	LC or LR/lc	Full Migrant
Alestes dentex	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Hemichromis fasciatus	Banded Jewelfish	FISHES	LC or LR/lc	Full Migrant
Nannocharax occidentalis		FISHES	LC or LR/lc	Full Migrant
Mormyrus hasselquistii	Elephant Fish	FISHES	LC or LR/lc	Full Migrant
Citharinus citharus		FISHES	LC or LR/lc	Full Migrant
Labeo coubie	African Carp	FISHES	LC or LR/lc	Full Migrant
Ctenopoma petherici		FISHES	LC or LR/lc	Full Migrant
Synodontis batensoda	Upsidedown Catfish	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Alestes baremoze	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Synodontis membranaceus	Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus brevis	Tiger Fish	FISHES	LC or LR/lc	Full Migrant
Raiamas senegalensis	Senegal Minnow	FISHES	LC or LR/lc	Full Migrant
Mormyrus rume		FISHES	LC or LR/lc	Full Migrant
Brycinus macrolepidotus	Large Scaled Robber	FISHES	LC or LR/lc	Full Migrant
Distichodus rostratus	Grass-eater	FISHES	LC or LR/lc	Full Migrant
Leptocypris niloticus	Nile Minnow	FISHES	LC or LR/lc	Full Migrant
Pollimyrus isidori		FISHES	LC or LR/lc	Full Migrant
Synodontis schall	Wahrindi	FISHES	LC or LR/lc	Full Migrant
Marcusenius senegalensis		FISHES	LC or LR/lc	Full Migrant
Chrysichthys nigrodigitatus	Bagrid Catfish	FISHES	LC or LR/lc	Full Migrant
Parachanna obscura	Snake-head	FISHES	LC or LR/lc	Full Migrant

Downstream -100.01 to -150

Note: there are no sub-basins in this range. This could be either because the previous category includes the most upstream sub-basins in the catchment, or because the specified distance does not extend beyond the sub-basins in the previous category.

Downstream beyond -150



Sub-basin information

Category (distance from site km)	No. of sub basins in category	Area of category km ²
beyond -150	95	45232.4

Species Richness Information

Number of freshwater species present in selected sub-basins in total, grouped by taxonomy and by Red List Category.

Taxonomic group	All species	Critically Endangered	Endangered	Vulnerable	Near Threatened
TURTLES	3	1	0	1	0
ODONATES	158	0	0	0	0
PLANTS	166	1	1	1	0
MOLLUSCS	53	0	1	1	0
FISHES	214	1	10	1	0
DECAPODS	11	0	1	1	0
All	605	3	13	5	0

Threatened species (CR+EN+VU)

Details of threatened freshwater species present in selected sub-basins. 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

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Cyclanorbis elegans	Nubian Flapshell Turtle	TURTLES	CR	Decreasing	Terrestrial, Freshwater
Cyclanorbis senegalensis	Senegal Flapshell Turtle	TURTLES	VU	Decreasing	Terrestrial, Freshwater
Saxicolella marginalis		PLANTS	CR	Unknown	Terrestrial, Freshwater
Brillantaisia lancifolia		PLANTS	VU	Decreasing	Terrestrial, Freshwater
Najas hagerupii		PLANTS	EN	Unknown	Freshwater
Potamonautes reidi	Reid's River Crab	DECAPODS	VU	Unknown	Freshwater
Potamalpheops haugi		DECAPODS	EN	Unknown	Freshwater
Mutela franci		MOLLUSCS	EN	Decreasing	Freshwater
Aspatharia pangallensis		MOLLUSCS	VU	Decreasing	Freshwater
Alestopetersius smykalai	Blue Diamond Characin	FISHES	EN	Unknown	Freshwater
Fundulopanchax sjostedti	Golden Pheasant Gularis	FISHES	EN	Unknown	Freshwater
Fundulopanchax gularis	Gulare	FISHES	EN	Unknown	Freshwater
Fundulopanchax arnoldi	Arnold's Killi	FISHES	EN	Decreasing	Freshwater

Species Name	Common Name	Taxonomic Group	IUCN Category	Population Trend	Biome
Epiplatys longiventralis		FISHES	EN	Unknown	Freshwater
Mormyrops oudoti		FISHES	EN	Unknown	Freshwater
Barboides gracilis		FISHES	VU	Unknown	Freshwater
Brycinus brevis	Characin	FISHES	EN	Unknown	Freshwater
Alestes bouboni		FISHES	EN	Unknown	Freshwater
Synodontis xiphias		FISHES	CR	Unknown	Freshwater
Phractura ansorgii	African Whiptailed Catfish	FISHES	EN	Unknown	Freshwater
Pronothobranchius chirioi		FISHES	EN	Decreasing	Freshwater

Migratory Species

Details of migratory freshwater species present in selected sub-basins. For the full IUCN Red List please refer to the associated csv in the report folder.

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Anax ephippiger	Vagrant Emperor	ODONATES	LC or LR/lc	Full Migrant
Pantala flavescens	Wandering Glider	ODONATES	LC or LR/lc	Full Migrant
Tholymis tillarga	Old World Twister	ODONATES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
<i>Tamea basilaris</i>	Keyhole Glider	ODONATES	LC or LR/lc	Full Migrant
<i>Tamea limbata</i>	Ferruginous Glider	ODONATES	LC or LR/lc	Full Migrant
<i>Schilbe mystus</i>	African Butter Catfish	FISHES	LC or LR/lc	Full Migrant
<i>Bagrus bajad</i>	Black Nile Catfish	FISHES	LC or LR/lc	Full Migrant
<i>Synodontis nigrita</i>	Catfish	FISHES	LC or LR/lc	Full Migrant
<i>Pellonula leonensis</i>	Smalltoothed Pellonula	FISHES	LC or LR/lc	Full Migrant
<i>Pellonula vorax</i>	Bigtoothed Pellonula	FISHES	LC or LR/lc	Full Migrant
<i>Protopterus annectens</i>	African Lungfish	FISHES	LC or LR/lc	Full Migrant
<i>Labeo parvus</i>	African Carp	FISHES	LC or LR/lc	Full Migrant
<i>Epiplatys sexfasciatus</i>	Sixbar Panchax	FISHES	LC or LR/lc	Full Migrant
<i>Eleotris senegalensis</i>		FISHES	LC or LR/lc	Full Migrant
<i>Enteromius ablabes</i>		FISHES	LC or LR/lc	Full Migrant
<i>Micralestes occidentalis</i>	Red-fin Tetra	FISHES	LC or LR/lc	Full Migrant
<i>Pareutropius buffei</i>		FISHES	LC or LR/lc	Full Migrant
<i>Hyperopisus bebe</i>		FISHES	LC or LR/lc	Full Migrant
<i>Siluranodon auritus</i>	Butterfish	FISHES	LC or LR/lc	Full Migrant
<i>Gymnarchus niloticus</i>	Aba	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Brevimyrus niger		FISHES	LC or LR/lc	Full Migrant
Clypeobarbus hypsolepis		FISHES	LC or LR/lc	Full Migrant
Schilbe intermedius	Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus vittatus	Tigerfish	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis occidentalis	Bubu	FISHES	LC or LR/lc	Full Migrant
Auchenoglanis biscutatus	Black Spotted Catfish	FISHES	LC or LR/lc	Full Migrant
Lates niloticus	Nile Perch	FISHES	LC or LR/lc	Full Migrant
Schilbe brevianalis	Female Belly Up	FISHES	LC or LR/lc	Full Migrant
Petrocephalus bovei	Mormyrid	FISHES	LC or LR/lc	Full Migrant
Yongeichthys thomasi		FISHES	LC or LR/lc	Full Migrant
Brycinus leuciscus	Yellow-fin Tetras	FISHES	LC or LR/lc	Full Migrant
Synodontis clarias	Squeaker	FISHES	LC or LR/lc	Full Migrant
Citharinops distichodoides		FISHES	LC or LR/lc	Full Migrant
Sarotherodon melanotheron	Blackchin Tilapia	FISHES	LC or LR/lc	Full Migrant
Mormyrops anguilloides	Cornish Jack	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Alestes dentex	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Marcusenius cyprinoides	Thick-lipped Fish	FISHES	LC or LR/lc	Full Migrant
Hemichromis fasciatus	Banded Jewelfish	FISHES	LC or LR/lc	Full Migrant
Clarias jaensis		FISHES	LC or LR/lc	Full Migrant
Clarias agboyiensis	Mudfish	FISHES	LC or LR/lc	Full Migrant
Nannocharax occidentalis		FISHES	LC or LR/lc	Full Migrant
Alestes macrophthalmus	Torpedo Robber	FISHES	LC or LR/lc	Full Migrant
Eleotris daganensis		FISHES	LC or LR/lc	Full Migrant
Mormyrus macrophthalmus	Trunkfish	FISHES	LC or LR/lc	Full Migrant
Rhabdalestes septentrionalis		FISHES	LC or LR/lc	Full Migrant
Periophthalmus barbarus	Atlantic Mudskipper	FISHES	LC or LR/lc	Full Migrant
Mormyrus hasselquistii	Elephant Fish	FISHES	LC or LR/lc	Full Migrant
Citharinus citharus		FISHES	LC or LR/lc	Full Migrant
Bryconalestes longipinnis	African Long-finned Tetra	FISHES	LC or LR/lc	Full Migrant
Labeo coubie	African Carp	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Ctenopoma petherici		FISHES	LC or LR/lc	Full Migrant
Bostrychus africanus		FISHES	LC or LR/lc	Full Migrant
Enteromius macinensis		FISHES	LC or LR/lc	Full Migrant
Hydrocynus forskahlii	Elongate Tigerfish	FISHES	LC or LR/lc	Full Migrant
Heterobranchus longifilis	Vundu	FISHES	LC or LR/lc	Full Migrant
Synodontis batensoda	Upsidedown Catfish	FISHES	LC or LR/lc	Full Migrant
Schilbe uranoscopus	Egyptian Butter Catfish	FISHES	LC or LR/lc	Full Migrant
Clarias buthupogon	Silure	FISHES	LC or LR/lc	Full Migrant
Mochokus niloticus		FISHES	LC or LR/lc	Full Migrant
Alestes baremoze	Pebbly Fish	FISHES	LC or LR/lc	Full Migrant
Synodontis membranaceus	Catfish	FISHES	LC or LR/lc	Full Migrant
Ethmalosa fimbriata	Bonga shad	FISHES	LC or LR/lc	Full Migrant
Brycinus brevis	Characin	FISHES	EN	Full Migrant
Hemichromis bimaculatus	Jewelfish	FISHES	LC or LR/lc	Full Migrant
Hydrocynus brevis	Tiger Fish	FISHES	LC or LR/lc	Full Migrant
Enteromius macrops	Blackstripe Barb	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Raiamas senegalensis	Senegal Minnow	FISHES	LC or LR/lc	Full Migrant
Enteromius sublineatus		FISHES	LC or LR/lc	Full Migrant
Mormyrus rume		FISHES	LC or LR/lc	Full Migrant
Brycinus macrolepidotus	Large Scaled Robber	FISHES	LC or LR/lc	Full Migrant
Distichodus rostratus	Grass-eater	FISHES	LC or LR/lc	Full Migrant
Leptocypris niloticus	Nile Minnow	FISHES	LC or LR/lc	Full Migrant
Pollimyrus isidori		FISHES	LC or LR/lc	Full Migrant
Synodontis schall	Wahrindi	FISHES	LC or LR/lc	Full Migrant
Pollimyrus petricolus	Markala Mormyrid	FISHES	LC or LR/lc	Full Migrant
Brienomyrus longianalis		FISHES	LC or LR/lc	Full Migrant
Marcusenius senegalensis		FISHES	LC or LR/lc	Full Migrant
Chrysichthys nigrodigitatus	Bagrid Catfish	FISHES	LC or LR/lc	Full Migrant
Awaous lateristriga	West African Freshwater Goby	FISHES	LC or LR/lc	Full Migrant
Pantodon buchholzi	Freshwater Butterflyfish	FISHES	LC or LR/lc	Full Migrant
Eleotris vittata		FISHES	LC or LR/lc	Full Migrant
Parachanna obscura	Snake-head	FISHES	LC or LR/lc	Full Migrant

Species Name	Common Name	Taxonomic Group	IUCN Category	Movement Pattern
Atya africana		DECAPODS	LC or LR/lc	Full Migrant
Atya gabonensis		DECAPODS	LC or LR/lc	Full Migrant

Recommended citation

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