



Native - Presence Confirmed    Native - Presence Possible    Extinct    Reintroduced    Introduced

## FAO Marine Habitats

## Major Lakes

## Major Rivers

<u>Upper Level Habitat Preferences</u>	Score	<u>Lower Level Habitat Preferences</u>	Score
2.1 Savanna - Dry	1	Broadleaf Crops	1
3.5 Shrubland - Subtropical/Tropical Dry	1	Dry Tropical Woods	1
4.5 Grassland - Subtropical/Tropical Dry	1	Dry Woody Scrub	1
5.2 Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	1	Forest and Field	1
5.8 Wetlands (inland) - Seasonal/Intermittent Freshwater Marshes/Pools (under 8ha)	1	Grass Crops	1
5.9 Wetlands (inland) - Freshwater Springs and Oases	1	Hot and Mild Grasses and Shrubs	1
8.1 Desert - Hot	1	Montane Tropical Forest	1
8.4 Desert - Semi-Desert (no trees present)	1	Sand Desert	1
11.1 Artificial/Terrestrial - Arable Land	1	Savanna (Woods)	1
		Semi Desert Shrubs	1
		Woody Savanna	1

## Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.1	Crops	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.1.1	Shifting Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.1.2	Small-holder farming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4	Livestock	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4.1	Nomadic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.1.4.2	Small-holder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4	Infrastructure development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1.4.2	Human settlement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Natural disasters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.1	Drought	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Conservation Measures

Code	Conservation measures	In place	Needed
3	Research actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.2	Population numbers and range	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.3	Biology and Ecology	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.4	Habitat status	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.5	Threats	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.9	Trends/Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	Habitat and site-based actions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.1	Maintenance/Conservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4	Protected areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4.2	Establishment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.4.3	Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	Other purpose:
Primary forms removed from the wild	100%	>75%	51-75%	26-50% <25%
Source of specimens in commercial trade	100%	>75%	51-75%	26-50% <25%

Trend in wild offtake/harvest in relation to total wild population numbers over last five years:

Trend in offtake/harvest produced through domestication/cultivation over last five years:

CITES: Not listed

## Red Listing

Red List Assessment: Least Concern (LC)  Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: Listed as Least Concern in view of its wide distribution, tolerance of a broad range of habitats, presumed large population, and because it is unlikely to be declining fast enough to qualify for listing in a more threatened category.

Current Population Trend: Stable

Date of Assessment: 12/17/2004

Assessor(s): Mark-Oliver Rödel, Malcolm Largen, Kim Howell, Mills Tandy, Alfredo Salvador, Stefan Lötters, Philippe Geniez

Notes on Red listing:

## Bibliography

Lanza, B., 1981, A Checklist of the Somali amphibians, *Monitore Zoologico Italiano N.S. Supplemento*, , , 10, 151-186, ,

Largen, M.J., 2001, Catalogue of the amphibians of Ethiopia, including a key for their identification, *Tropical Zoology*, , , 14, 307-402, ,

Hulselmans, J.L.J., 1977, Further notes on African Bufonidae, with descriptions of new species and subspecies (Amphibia, Bufonidae), *Rev. Zool. Afr.*, , , 91, 512-524, ,

- Geniez, P., Mateo, J.A. and Bons, J., 2000, A checklist of amphibians and reptiles of Western Sahara (Amphibia, Reptilia), *Herpetozoa*, , 13(3/4), 149-163, ,
- Largen, M.J., Tandy, M. and Tandy, J., 1978, A new species of toad from the rift valley of Ethiopia, with observations on other species of *Bufo* (Anura Amphibia Bufonidae) from this country, *Monitore Zoologico Italiano N.S. Supplemento*, , 10, 1-41, ,
- Salvador, A., 1996, Amphibians of northwest Africa, *Smithsonian Herpetological Information Service*, , 109, 1-43, ,
- Barnett, L.K., Emms, C. and Santoni, C., 2001, The herpetofauna of Abuko Nature Reserve, The Gambia, *Herpetological Bulletin*, , 77, 5-14, ,
- Böhme, W., 1875, Zur Herpetofaunistik Kameruns, mit Beschreibung eines neuen Scinciden, *Bonner Zoologische Beiträge*, , 26, 1-48, ,
- Rödel, M.-O., 2000, , Herpetofauna of the West Africa. Volume 1. Amphibians of the West African Savannas, , , Edition Chimaira, Frankfurt am Main
- Joger, U., 1981, Zur Herpetofaunistik Westafrikas, *Bonner Zoologische Beiträge*, , 32, 297-340, ,
- Joger, U., 1982, Zur Herpetofaunistik Kameruns (II), *Bonner Zoologische Beiträge*, , 33, 313-342, ,
- Lötters, S., Rotich, D., Koester, T.E., Kosuch, J., Muchai, V., Scheelke, K., Schick, S., Teege, P., Wasonga, V.D. and Veith, M. In press, 2004, What do we know about the amphibians from the Kenyan central and western highlands?, *Salamandra*, , 40, , ,
- Poynton, J.C., 1998, Tanzanian bufonid diversity: preliminary findings, *Herpetological Journal*, , 8, 3-6, ,
- Amiet, J.-L., 1972, Compte rendu d'une mission batrachologique dans le Nord-Cameroun, *Ann. Fac. Sci. Yaounde*, , 12, 63-78, ,
- Lanza, B., 1990, Amphibians and reptiles of the Somali Democratic Republic: checklist and biogeography, *Biogeographica*, , 14, 407-465, ,
- Schleich, H.H., Kästle, W. and Kabisch, K., 1996, Amphibians and Reptiles of North Africa, , , , Koeltz scientific books, Koenigstein
- Tandy, M., Tandy, J., Keith, R. and Duff-MacKay, A., 1976, A new species of *Bufo* (Anura: Bufonidae) from Africa's dry savannas, *The Pearce-Sellard Series*, Austin, , 24, 1-20, ,
- Largen, M.J., 1997, An annotated checklist of the amphibians and reptiles of Eritrea, with keys for their identification, *Tropical Zoology*, , 10, 63-115, ,
- Geniez, P., Mateo, J.A., Geniez, M. and Pether, J., 2004, , The Amphibians and Reptiles of the Western Sahara., , , Edition Chimaira, Frankfurt am Main.