

Mapping Life: Inventorying African Biodiversity



James Hanken



MUSEUM OF COMPARATIVE ZOOLOGY



HARVARD UNIVERSITY



Worldwide \approx 2 billion specimens!

5 April 2001

International weekly journal of science

nature

\$10.00

www.nature.com

.....
Kyoto Protocol

Counting the cost
of emissions

.....
Glass fragility

A thermodynamic
connection

.....
Heart failure

Can adult stem
cells repair the
damage?

Declining amphibian populations

nature jobs
synchrotrons

April
2001

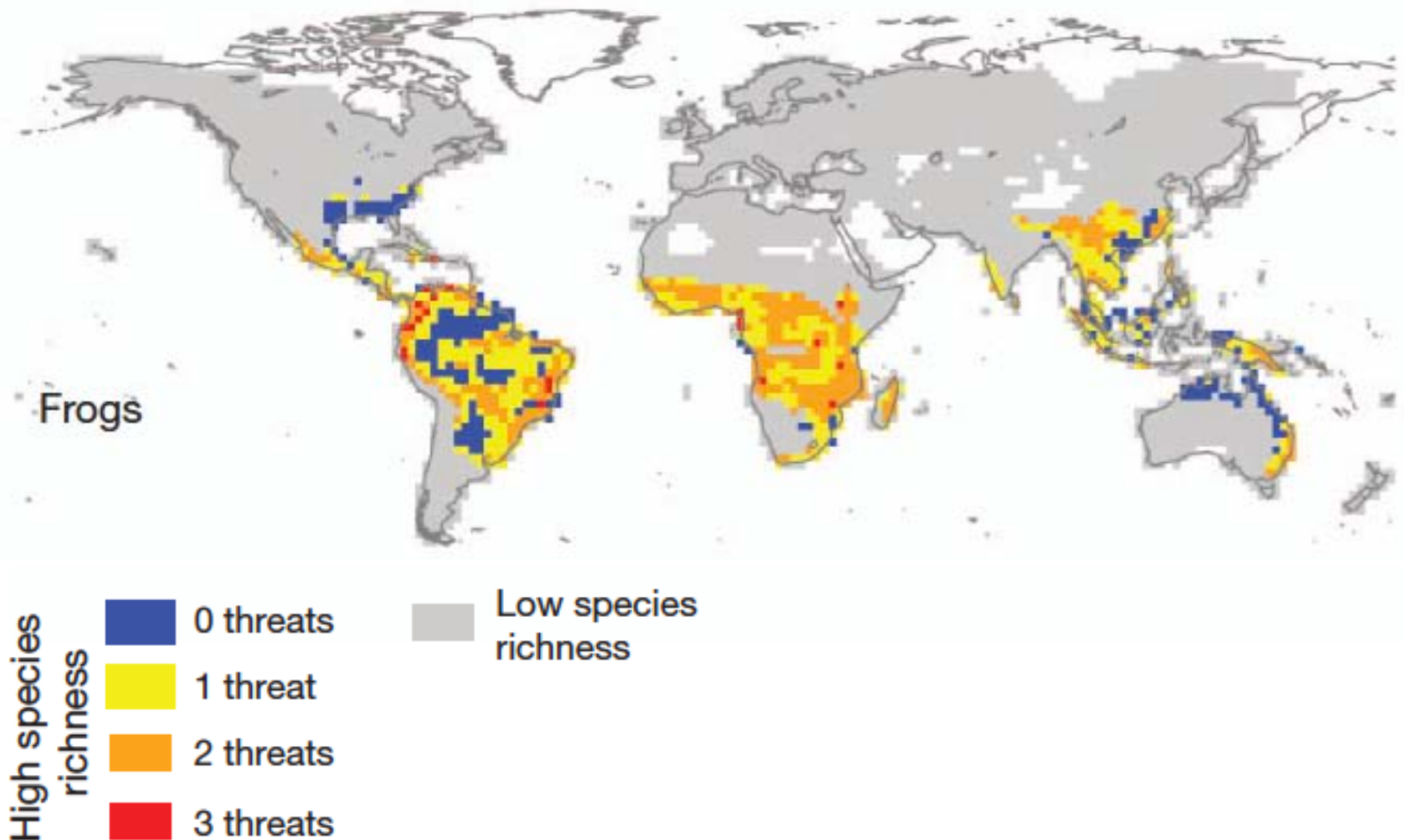


Figure 4 | Spatial overlap between areas with the highest amphibian species richness and the main factors threatening global amphibian diversity, projected for 2080.

Hof et al., 2011, *Nature*



Global Amphibian Assessment

[Search the Database](#)

[About the GAA](#)

[Key Findings](#)

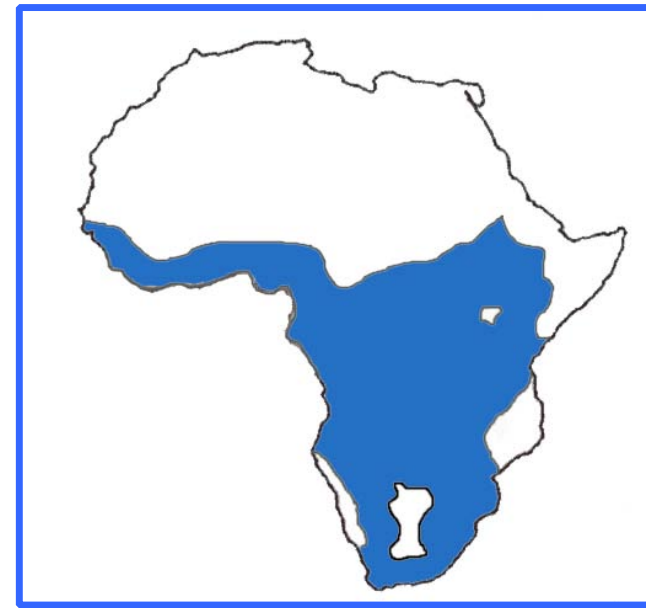
[Description of Data](#)

[Acknowledgements](#)

- 23% are Red-Listed: Near Threatened, Vulnerable, Endangered, or Critically Endangered
- 31% are Data Deficient: lack minimum information needed to assess conservation status



“Puddle frogs”
(*Phrynobatrachus*)
75 species





Southwestern Cameroon





[Search](#)

[My Stuff](#)

[Help](#)

Access to 1598560 records.

[Holdings Details](#) [Search Tips](#)

[Search](#) [Clear Form](#) [Use Last Values](#) **See results as:**

Include Observations? Require Tissues? Require Media:

Identifiers

[Customize](#) [Show More Options](#)

Institutional Catalog: Number:

Identification and Taxonomy

[Show More Options](#)

Any Taxonomic Element:

Locality

[Show More Options](#)

Any Geographic Element:

[Select on Google Map](#)

Date/Collector

[Show More Options](#)

Help

Year Collected: --> Copy -->

Biological Individual

[Show More Options](#)

Part Name: Define Add = for exact match

Usage

[Show More Options](#)

Basis of Citation: Define

[Search](#) [Clear Form](#) [Use Last Values](#) **See results as:**

[Data Providers](#)

[Report Errors](#)

[System Administrator](#)



A collaboration with multiple natural history collections

Distributed Databases:





1726 of these 4177 records have coordinates and can be displayed with [BerkeleyMapper](#) [BerkeleyMapper+Rangemaps](#) [What's this?](#) [Google](#)

[Earth/Maps](#) [Problems viewing this page? Click for HTML version](#) [Report Bad Data](#)

Records... Order by... then order by
 1 - 20 collection collection Settings... [Customize Form](#) [Download](#) [Save Search](#)

Cat Num	Identification	Specific Locality	Verbatim Date	Dec. Lat.	Dec. Long.
Herpetology A-57760	Phrynobatrachus kinangopensis	Kenya: Mt. Kenya, Castle Forest Station [VERBATIM ELEVATION:8000ft]	0/1/1966-0/1/1966	-0.383333	37.3
Herpetology A-14757 Paratype	Phrynobatrachus bequaerti	Mount Vissoke: Belgian Congo [VERBATIM ELEVATION:8000-9000ft]	0/0/1927-0/0/1927		
Herpetology A-14830 Syntype*	Phrynobatrachus boulengeri	Beira: Portuguese: East Africa.	[date unknown]		
Herpetology A-107125	Phrynobatrachus perpalmatus	Tanganyika Territory: Uluguru Mtns: Bagilo	0/9/1926-0/9/1926	-6.9	37.7333333
Herpetology A-107131	Phrynobatrachus perpalmatus	Tanganyika Territory: Uluguru Mtns: Bagilo	0/9/1926-0/9/1926	-6.9	37.7333333
Herpetology A-107146	Phrynobatrachus perpalmatus	Tanganyika Territory: Uluguru Mtns: Bagilo	0/9/1926-0/9/1926	-6.9	37.7333333
Herpetology A-107151	Phrynobatrachus perpalmatus	Tanganyika Territory: Uluguru Mtns: Bagilo	0/9/1926-0/9/1926	-6.9	37.7333333
Herpetology A-107159	Phrynobatrachus perpalmatus	Tanganyika Territory: Uluguru Mtns: Bagilo	0/9/1926-0/9/1926	-6.9	37.7333333
Herpetology A-107162	Phrynobatrachus perpalmatus	Tanganyika Territory: Uluguru Mtns: Bagilo	0/9/1926-0/9/1926	-6.9	37.7333333
Herpetology A-107169	Phrynobatrachus perpalmatus	Tanganyika Territory: Uluguru Mtns: Bagilo	0/9/1926-0/9/1926	-6.9	37.7333333
Herpetology A-107172	Phrynobatrachus perpalmatus	Tanganyika Territory: Uluguru Mtns: Bagilo	0/9/1926-0/9/1926	-6.9	37.7333333
Herpetology A-107506	Phrynobatrachus perpalmatus	Mozambique: Kasumbadedza: Zambezi River 5 miles West of Tete	22/1/1949-24/1/1949		
Herpetology A-107509	Phrynobatrachus perpalmatus	Mozambique: Kasumbadedza: Zambezi River 5 miles West of Tete	22/1/1949-24/1/1949		
Herpetology A-107210	Phrynobatrachus perpalmatus	Tang Terr: Uluguru Mtns: Nyange	0/10/1926-0/10/1926	-7.166667	37.666667
Herpetology A-107231	Phrynobatrachus perpalmatus	Tang Terr: Uluguru Mtns: Nyange	0/10/1926-0/10/1926	-7.166667	37.666667
Herpetology A-107238	Phrynobatrachus perpalmatus	Tang Terr: Uluguru Mtns: Nyange	0/10/1926-0/10/1926	-7.166667	37.666667
Herpetology A-107243	Phrynobatrachus perpalmatus	Tang Terr: Uluguru Mtns: Nyange	0/10/1926-0/10/1926	-7.166667	37.666667
Herpetology A-107244	Phrynobatrachus perpalmatus	Tang Terr: Uluguru Mtns: Nyange	0/10/1926-0/10/1926	-7.166667	37.666667
Herpetology A-107257	Phrynobatrachus perpalmatus	Tang Terr: Uluguru Mtns: Nyange	0/10/1926-0/10/1926	-7.166667	37.666667
Herpetology A-15929	Phrynobatrachus scheffleri	Mount Garguezs: Kenya Colony	0/0/1911-0/0/1911		



Map Controls

- Pan:** Click & drag to pan
- Zoom by Box:** Click Zoom-in icon to begin. Click once to start box. Click again to close zoom box.
- Spatial Query:** Click spatial query icon to begin digitizing. Click on map to define polygon points.

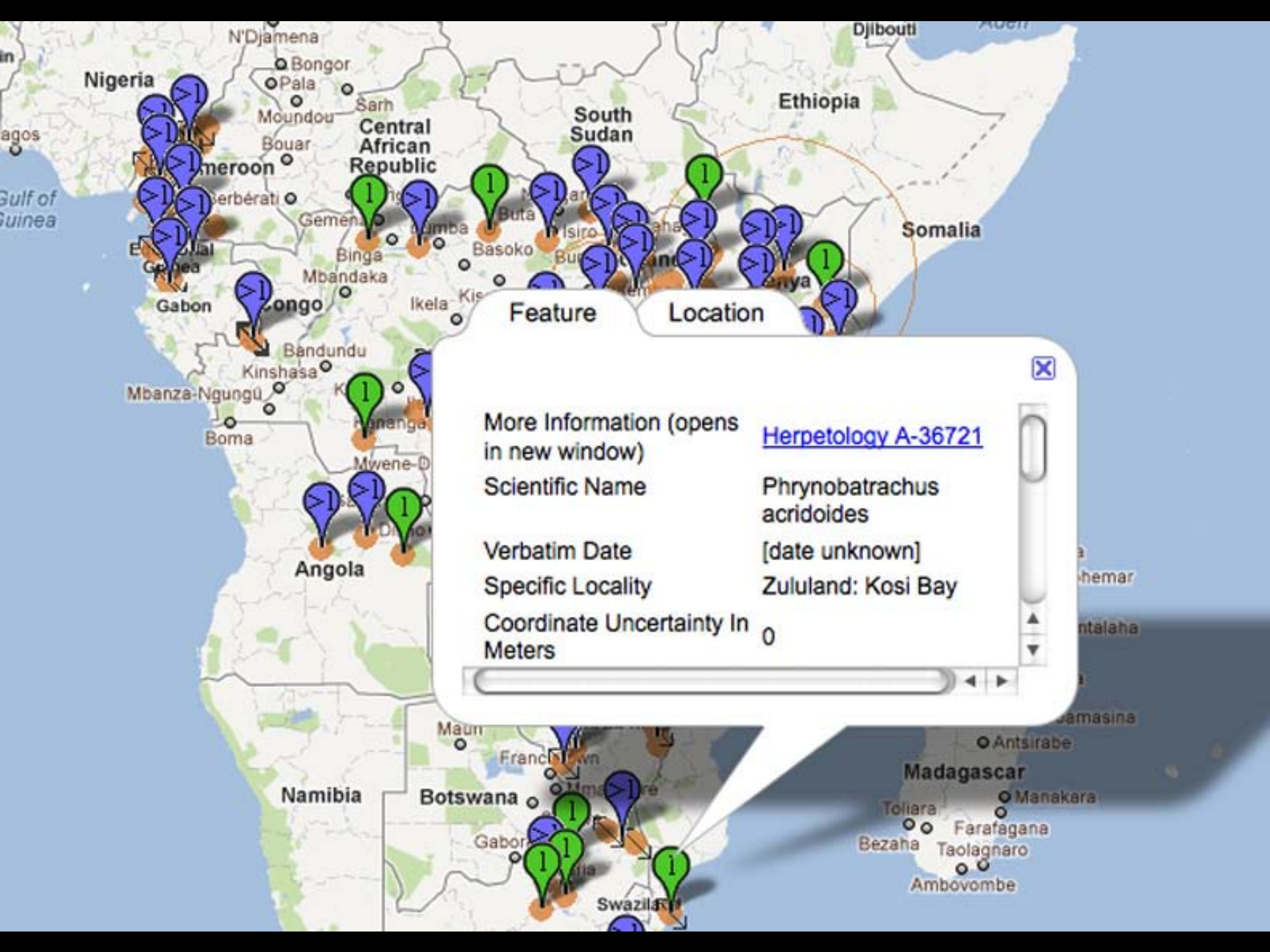
Markers

- Click Marker:** Click a marker symbol to see point information
- One item at this location
- More than one item at this location

[Refresh](#) populates markers or restores working state

[Help document](#)

[Show Point Records](#)



Feature

Location

More Information (opens
in new window)

[Herpetology A-36721](#)

Scientific Name

Phrynobatrachus
acridoides

Verbatim Date

[date unknown]

Specific Locality

Zululand: Kosi Bay

Coordinate Uncertainty In
Meters

0



Herpetology A-36721

Phrynobatrachus acridoides

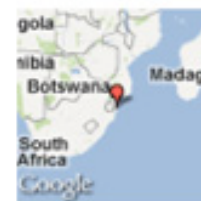
BerkeleyMapper

Zululand: Kosi Bay

Africa, South Africa, Natal

[date unknown] (1700-01-01 -
2100-01-01)

whole animal
(ethanol)



Login or Create
Account

[\[Return to results \]](#)

[Phrynobatrachus acridoides](#)

Chordata Amphibia Lissamphibia Anura Ranoidea Ranidae

Phrynobatrachus acridoides

Identified by Catalog

Nature of ID: migration

Remarks: Catalog/1995

Continent/Ocean: Africa

Country: South Africa

State/Province: Natal

Specific Locality: Zululand: Kosi Bay

Collecting Source: wild caught

Coordinates: -26.9° 32.867° (WGS84)

CSD (MCZ): 2006-09-19; Fuzzy Gazetteer

Coordinate Remarks: used Kosi Bay BAY, unable to estimate extent.

Collecting Date: [date unknown] (1700-01-01 -
2100-01-01)

Collectors

[no agent data]

Identifiers

collector number: 3835

field number: ZA36718

Details

Part Name	Condition	Disposition	#	Label	Remarks
whole animal (ethanol)	unchecked	unknown	1		

Media



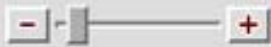
image (image/jpeg)

[Media Details](#)

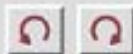
MCZ Herpetology Amphibia
036451-041500, pg.6

CATALOGUE OF AMPHIBIANS

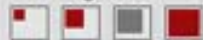
Catalogue Number.	Original Number.	Name.	Sex.	Locality.	Natural Specimen
36701	2013	<i>Leptopelis natalensis</i>		So. Africa: Durban, Natal	alcohol
36702	2079	<i>Kassina senegalensis senegalensis</i>		" : Pietermaritzburg, Natal	"
36703	2086	" "		" "	"
36704	2217	" "		" "	"
36705	2316	" <i>wealii</i>		" : nr Underburg, Natal	"
36706	3507	<i>Afrizalus brachycephalus brachycephalus</i>		Portuguese East Africa: Lorenzo Marques	"
36707	3516	" "		" "	"
36708	1516	" <i>fornasini</i>		So. Zululand: Mtunzini	"
36709	1518	" "		" "	"
36710	1523	" "		" "	"
36711	1902	<i>Pyxicephalus delalandii delalandii</i>		So. Africa: Cape Town	"
36712	2581	" <i>marmoratus</i>		Southeast Rhodesia: Lundi River	"
36713	2203	" <i>natalensis</i>		So. Africa: Pietermaritzburg, Natal	"
36714	2209	" "		" "	"
36715	2212	" "		" "	"
36716	4036	<i>Anhydrophryne lightfooti</i>		" : Cape Town	"
36717	4042	" "		" "	"
36718	3839	<i>Rana mascareniensis</i>		Zululand: Kosi Bay	"
36719	3840	" "		" "	"
36720	3846	" "		" "	"
36721	3825	<i>Phyllomedusa</i>		" "	"



34.6% GO



Viewing size:



View full image

Image Delivery Service
HARVARD UNIVERSITY
LIBRARY

Set toolbar to horizontal

help | copyright



Encyclopedia of Life

AFRICAN AMPHIBIANS LIFEDESK



<http://africanamphibians.lifedesks.org/>



AA LIFEDESK CONTENT

- Species descriptions (based on original descriptions and additional studies)
- Life history, activity and special behavior information
- Conservation status (IUCN Red List)
- Ecology and distribution
- Evolution and systematics
- Photographs (live animals; specimens, especially types)
- Call data
- Bibliography (PDF's of relevant publications)



AFRICAN AMPHIBIANS LIFEDESK

⚠ LifeDesks will be offline for maintenance Wed. May 26 at 10AM EST

- Instructions for Contributors
- Taxon Pages
- Image Gallery
- Bibliography
- Members
- Acknowledgements

- My Account
- Create Content
- Manage Classification
- Invite a Friend
- Administration
- Log out

Show classification

Print PDF EOL

Phrynobatrachus krefftii Boulenger, 1909 [Edit Name](#)

kingdom [Animalia](#)
phylum [Chordata](#)
class [Amphibia](#)
order [Anura](#)
family [Phrynobatrachidae](#) Laurent, 1941
genus [Phrynobatrachus](#) Günther, 1862

Common Names

Krefft's Puddle Frog (English) [Edit Name](#) , Krefft's River Frog (English) [Edit Name](#)



© L. Mahler and B. Zimkus

Phrynobatrachus krefftii male

Photographer: Mahler, Luke and Zimkus, Breda Submitted by: [Zimkus, Breda](#)

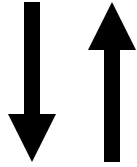


[Add Image](#)

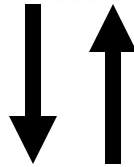
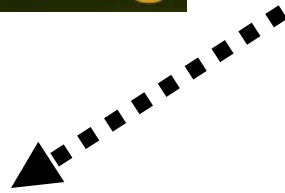
CONTENT SHARING



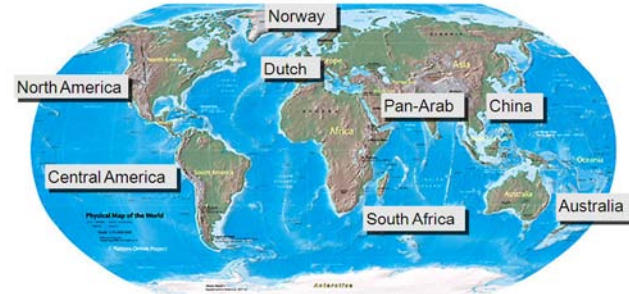
Tanzaniaherps.org



Serving regional
and taxonomic
needs



Serving
international needs



SOUTH AFRICA



Serving regional
needs

