

---

## PROFILE

**James Harvey**  
Ecological Researcher and Consultant



### CONTACT DETAILS

Telephone 033 386 3016  
Cell 073 230 6188  
Email james\_harvey@telkomsa.net  
Physical/Postal Add 35 Carbis Road, Pietermaritzburg, 3201, South Africa

### QUALIFICATIONS

**2007** MEnvDev (Environmental Management), University of KwaZulu-Natal, Pietermaritzburg  
**2002** B.Sc. (Hons.) Hydrology, University of Natal, Pietermaritzburg  
**2001** B.Sc. Zoology and Hydrology, University of Natal, Pietermaritzburg

### SKILLS AND EXPERIENCE

I work privately as a herpetologist (reptiles and amphibians) and ecological consultant and researcher, and have twelve years of practical and theoretical experience with biodiversity in the Afrotropical region, and seven years experience in ecological consulting. I have performed ecological fieldwork in several locations in Africa, including South Africa, Botswana, Zimbabwe, Malawi, Kenya and Democratic Republic of Congo, as well as Madagascar. I am experienced and knowledgeable concerning species identification, ecology, conservation issues and methods for surveying in the following taxa:

- Amphibians
- Reptiles
- Birds
- Mammals

I am also knowledgeable concerning fish, invertebrates and plants and broader ecological processes and functioning. In addition, I have practical and theoretical experience with Integrated Environmental Management, and am therefore able to perform specialist ecological assessments and detailed faunal surveys, and provide recommendations concerning priority areas and management recommendations.

Selected relevant previous and current projects and achievements include:

#### ***Commercial projects***

- Herpetofaunal and mammal assessment contributing to the EIA for the Kwale Mineral Sands Project, Ukunda, southern Kenya (2011-ongoing)
- Avifaunal assessment for the proposed Eskom Gunjaneni 25km 132kV Loop-in Loop-out Line Establishment and Gunjaneni 20MVA 132/22kV Sub-Station Establishment, iMfolozi region, KwaZulu-Natal (2011)

- 
- Avifaunal assessment for the proposed Ushukela Highway Business and Office Park development, Tongaat, KwaZulu-Natal (2011)
  - Member of a team performing a terrestrial biodiversity assessment for the the Candover-Mbazwana, Mbazwana-Gezisa Eskom Distribution 132kV powerlines and Mbazwana and Gezisa 132/22kV Substations, northern KwaZulu-Natal (2011)
  - Member of a project team undertaking a biodiversity review for the proposed expansion of the Tenke Fungurume copper project, Katanga, southern Democratic Republic of Congo (2010-ongoing)
  - Biodiversity assessment (mammals, birds, reptiles and amphibians) in the Mongbwalu region, Orientale Province, north-eastern Democratic Republic of Congo (2010-2011)
  - Baseline vertebrate fauna survey (mammals, birds, reptiles, amphibians) for Wildlands Conservation Trust, at the Buffelsdraai Landfill Site restoration project, Verulam, KwaZulu-Natal, South Africa (2010-2011)
  - Specialist herpetological (reptiles and amphibians) assessment for the proposed Tonkolili iron ore mining project, Sierra Leone (2010)
  - Specialist amphibian assessment of Adams Mission wetlands, forming part of the EIA for a proposed pipeline, south Ethekewini Municipal region, KwaZulu-Natal, South Africa (2010)
  - Amphibian survey for Mondi Ltd on properties in the Mtunzini region, KwaZulu-Natal, South Africa (2010)
  - Baseline faunal survey (mammals, birds, reptiles, amphibians) for Mondi Ltd on six sites of conservation importance in the Greytown and Richmond regions, KwaZulu-Natal, South Africa (2009-2010)
  - Member of a project team performing a biodiversity assessment for Anglo Base Metals in Gamsberg, Northern Cape. Performed avifauna, reptile and amphibian components (2009)
  - Member of a project team performing a faunal assessment for the proposed multi-circuit transmission Ariadne-Eros Eskom powerline, southern KwaZulu-Natal, South Africa (2009)
  - Specialist amphibian assessment of Cato Ridge wetlands, forming part of the EIA for the proposed Western Aqueduct, KwaZulu-Natal, South Africa (2009)
  - Baseline faunal survey (mammals, birds, reptiles, amphibians) for Mondi Ltd on eight sites of conservation importance in the Richards Bay-Nyalazi region, KwaZulu-Natal, South Africa (2007-2009)
  - Member of a project team performing a biodiversity assessment for FreePort Mining, on the Kisanfu Copper Project, Katanga, southern Democratic Republic of Congo. Responsible for reptile, amphibian and avifauna components, also performed ichthyofauna, mammal and macroinvertebrate work (2008)

- 
- Member of a project team performing the aquatic biodiversity study for the EIA for the proposed upgrade of the Sani Pass road: Phase 2. Performed herpetofauna and ichthyofauna components, KwaZulu-Natal, South Africa (2008)
  - Specialist assessment for the potential presence of the Endangered Long-toed Tree Frog *Leptopelis xenodactylus* within the proposed Himeville-Underberg development, KwaZulu-Natal, South Africa (2008)
  - Specialist herpetologist in multi-disciplinary ecological survey of protected areas of Botswana, focussing on Moremi Game Reserve, performed for the Botswana Department of Wildlife and National Parks. Also assisted with birds, mammals and epigeic invertebrates (2007)
  - Baseline faunal survey (mammals, birds, reptiles, amphibians) for Mondi Ltd on nine sites of conservation importance in the Melmoth-Babanango region, KwaZulu-Natal, South Africa (2006-2011)
  - Comprehensive amphibian surveys for Hans Merenskey Timbers on their properties in the Umzimkulu region, southern KwaZulu-Natal, South Africa (2006-2007)
  - Specialist amphibian study, forming part of the EIA for the proposed King Shaka International Airport and Dube Tradeport at La Mercy, KwaZulu-Natal, South Africa (2006-2007)
  - Authored sections on bird and frog communities within the iSimangaliso (Greater St Lucia) Wetland Park, KwaZulu-Natal, South Africa, to form components of a training manual for training local guides (2006)
  - Commissioned study on the Critically Endangered Mistbelt Chirping Frog *Anhydrophryne ngongoniensis* on Sappi-owned sites, including provision of management guidelines, in southern KwaZulu-Natal, South Africa, for Sappi Forest Products (2005-2006)
  - Comprehensive amphibian surveys for Hans Merenskey Timbers on their properties in the Donnybrook-Bulwer, Dargle and Weza regions, southern and central KwaZulu-Natal, South Africa (2004-2005)

**Non-commercial**

- Collaborator on a project assessing biogeography of eastern South African forests and the taxonomy and phylogeography of the Bush Squeaker frog *Arthroleptis wahlbergii* (ongoing)
- Collaborator on a project assessing the phylogeography of the Dwarf Squeaker frog *Arthroleptis xenodactyloides* (2010-ongoing)
- Collaborator on projects assessing the taxonomy and phylogeography of Hinged Tortoises *Kinixys* and Hinged Terrapins *Pelusios* (2009-ongoing)
- Paper: Conradie, W., J.W. Harvey, A. Kotze, D.L. Dalton & M.C. Cunningham. 2011. Confirmed Amphibian Chytrid in Mount Mulanje Area, Malawi. *Herpetological Review*. (2011)
- Paper entitled 'Avifauna of the Mongbwalu region, eastern Ituri, Democratic Republic of Congo' (In prep, 2011)

- 
- Co-authored seven reptile family accounts and 24 genus accounts in the new South African Reptile Atlas and Red Data Book (In prep.), which will be published under the auspices of the South African National Biodiversity Institute (SANBI) (2009-2011)
  - Collected first-ever records of Pan Hinged Terrapin *Pelusios subniger* in KwaZulu-Natal, and third ever record in South Africa (publication in prep) (2011)
  - Have discovered new populations of the following threatened South African frogs: Pickersgill's Reed Frog *Hyperolius pickersgilli* (Critically Endangered), Long-toed Tree Frog *Leptopelis xenodactylus* (Endangered), Mistbelt Chirping Frog *Anhydrophryne ngongoniensis* (Endangered), Spotted Shovel-nosed Frog *Hemisus guttatus* (Vulnerable) and Bilbo's Rain Frog *Breviceps bagginsi* (Vulnerable) (2003-2010)
  - Team leader of a survey to attempt to relocate the Cave Squeaker frog (*Arthroleptis troglodytes*), a species confined to the Chimanimani Mountains, eastern Zimbabwe, and not recorded since 1962. Survey formed part of the 'Lost Amphibians' programme, funded and coordinated by Conservation International (2010)
  - Team member of a survey to attempt to relocate the Amatola Toad (*Vandijkophrynus amatolicus*), a species confined to the Amathola, Winterberg and Katberg Mountains, Eastern Cape, and not recorded since 1998. Survey formed part of the 'Lost Amphibians' programme, funded and coordinated by Conservation International (2010)
  - Formed part of a research team, performing an intensive field survey of the reptiles and amphibians of the Mt Mulanje Massif, Malawi (2009)
  - Member of the South African Amphibian Assessment group: working with other amphibian experts under the auspices of the South African National Biodiversity Institute (SANBI), to perform a re-assessment of the conservation statuses (as defined by the IUCN) of all South African Frogs (species profiles available on [www.iucn.org](http://www.iucn.org)) (2009-2010).
  - Co-authored chapters in Measey, G.J. (Ed) 2011. *Ensuring a future for South Africa's frogs: a strategy for conservation research*. SANBI Biodiversity Series 19. SANBI, Pretoria.
    - Channing, A, G.J. Measey, L. Minter & J. Harvey. Understanding and documenting species diversity.
    - Measey, G.J., C. Weldon, D. Morgan, A. Channing, J. Harvey & A. Turner. Conservation and ecological studies.
    - Tolley, K., L. Minter, J. Harvey, J. Tarrant & G.J. Measey. Education, awareness and capacity-building.
  - Involved in the South African Reptile Conservation Assessment (SARCA), through: contribution of personal specimen records, team member of an intensive reptile field survey in the Lebombo mountains, north-eastern KwaZulu-Natal, editing of sections, contribution to and review of 54 species accounts for the up and coming South African Reptile Atlas and Red Data Book (in prep.) (2009-ongoing)
  - Contributed to and reviewed 'A Complete Guide to the Frogs of Southern Africa' by du Preez and Carruthers, (2009)
  - Formed part of an international research team, performing taxonomic and emerging disease surveys on frogs, in the Adasibe-Mantadia region of Madagascar (2008)

- Participated as a member of amphibian expert panel in Priority Southern African Amphibian Species Husbandry Workshop, held at Johannesburg Zoo, South Africa (2008)
- Masters thesis: 'Distribution and Global Population Size Estimation of the Critically Endangered Mistbelt Chirping Frog *Anhydrophryne ngongoniensis*, and the Development of Guidelines for the Management of its Habitat' (2007)
- Contributed to taxonomic studies on several herpetofaunal groups, including *Zygaspis* worm lizards, *Trioceros* chameleons, *Bradypodion* dwarf chameleons *Leptotyphlops* thread snakes, *Ptychadena* grass frogs, *Amietia* river frogs, *Hyperolius* reed frogs and *Cacosternum* Caco frogs (2006-ongoing)
- Member of the Herpetological Association of Africa (HAA)
- Selected presentations include:
  - '*The Mistbelt Moss Frog *Arthroleptella ngongoniensis*: Distribution, adult population size and conservation of a highly threatened South African endemic*' presented at the 8<sup>th</sup> Herpetological Association of Africa Symposium, held in Potchefstroom, South Africa, 24-27 November, 2006.
  - '*Confirmation of the presence of amphibian chytrid on the Mulanje massif, Malawi*', presented at the 10<sup>th</sup> Herpetological Association of Africa Symposium, held in Cape Town, South Africa, 11-14 January, 2011
  - '*Threatened Frogs in KwaZulu-Natal, South Africa: Recent findings and contributions to their conservation*' presented at the 14<sup>th</sup> African Amphibian Working Group meeting, Cape Town South Africa, 2-4 June 2010, and at the KZN Conservation Symposium 2010, held in Pietermaritzburg, South Africa, 19-21 October 2010.

## REFERENCES

Johan Marais  
 South African Reptile Conservation  
 Assessment Project Chairman  
 Avian Demography Unit  
 University of Cape Town  
 Cape Town  
 South Africa  
 Tel: 082 494 2039  
 E-mail: [jmsnakes@gmail.com](mailto:jmsnakes@gmail.com)

Prof. Louis du Preez  
 Professor in Zoology  
 African Amphibian Conservation  
 Working Group Team Leader  
 University of the North-West  
 Potchefstroom  
 South Africa  
 Tel: 082 455 5275  
 E-mail: [louis.dupreez@nwu.ac.za](mailto:louis.dupreez@nwu.ac.za)

Dr Adrian J. Armstrong  
 Biodiversity Division  
 EKZN Wildlife  
 P.O. Box 13053  
 3202 Cascades  
 Pietermaritzburg  
 South Africa  
 Tel: 033 845 1433  
 E-mail: [aarmstrong@kznwildlife.com](mailto:aarmstrong@kznwildlife.com)

Dr Mark Graham  
 GroundTruth – Biomonitoring Services  
 & Environmental Consultants  
 13 Tanner Road  
 Wembley  
 Pietermaritzburg  
 South Africa  
 Tel: 033 342 6399  
 E-mail: [mark@ground-truth.co.za](mailto:mark@ground-truth.co.za)