

# Curriculum Vitae

## Hélen Prinsloo

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### Work experience:

**Job title:** Owner, Ecologist and GIS Technician  
**Company:** Bucandi Environmental Solutions  
**Period:** October 2010 - current  
**Location:** Viljoenskroon, Free State, South Africa  
**Job description:** Managing my own environmental consulting business  
Compiling Environmental Authorisations, including Basic Assessment Reports  
Conducting specialist ecological studies  
Compile maps and conduct spatial analyses using ArcGIS 9.3 to produce deliverables for specialist studies and environmental applications.

**Job title:** Environmental Scientist  
**Company:** Clean Stream Environmental Consultants  
**Period:** June 2009 – September 2010  
**Location:** Pretoria, Gauteng, South Africa  
**Job description:** Compiling the following environmental reports and applications:  
Basic Assessment Reports  
Scoping Reports  
Environmental Impact Assessment  
Environmental Management Program / Plan  
Integrated Water Use Licence Application  
Integrated Water and Waste Management Plan  
Conducting specialist ecological studies  
Leading and participating in public consultation associated with the abovementioned procedures.  
Compile maps and conduct spatial analyses using ArcGIS 9.2 to produce deliverables for specialist studies and environmental reports.  
Compiling budgets and proposals for environmental reports and applications.

**Job title:** Coordinator – South African Crane Working Group (SACWG)  
**Company:** Endangered Wildlife Trust  
**Period:** January 2008 - February 2009  
**Location:** Howick, KwaZulu Natal, South Africa  
**Job description:** Review and update research strategy continuously.  
Formulate, prioritise and approve research projects as well as ensure acceptable quality of all research projects.  
Manage delivery of research work in appropriate manner with time frames.  
Accept overall fundraising responsibility and accountability for SACWG's sustainability.  
Write fundraising proposals and perform high-level, strategic donor funding activities.

Review conservation strategy annually.  
Compile monthly and annual reports and work plans.  
Develop and coordinate species action plans.  
Lobby nationally and internationally to implement crane habitat objectives.  
Ensure the employment of effective, efficient and suitably qualified staff.  
Manage a group of 8 administrative and field staff.

**Job title:** Ecologist  
**Company:** Biological Research Associates  
**Period:** August 2006 – December 2007  
**Location:** Tampa, Florida, USA  
**Job description:** Writing budgets and proposals for environmental monitoring projects.  
Conducting wildlife surveys to determining the presence and abundance of listed species.  
Permit preparation and application for relocation of wildlife.  
Conducting relocation of wildlife such as gopher tortoises, burrowing owls and various other species.  
Coordinating research projects focused on the conservation of various wildlife species including gopher tortoises, burrowing owls, sandhill cranes, wading birds, snakes, small mammals, etc.  
Writing management plans for wildlife preservation areas.  
Compiling reclamation plans for phosphate mines.  
Completing Environmental Impact Assessments and providing solutions based on a professional assessment.  
Using ArcGIS and related software to report on all actions.  
Writing scientific reports.  
Delineating wetlands based on soil morphology, vegetation and topography.  
Permit preparation and application for wetland impacts, preservation, reclamation and creation.

**Job title:** Bio Scientist II  
**Company:** Florida Fish and Wildlife Conservation Commission  
**Period:** March 2005 – July 2006  
**Location:** Spring Hill, Florida, USA  
**Job description:** Design and implement wildlife monitoring projects such as deer spotlight counts, turkey surveys, bob-white quail surveys, gopher tortoise surveys, shorebird counts etc.  
Design and implement habitat restoration projects on 34 000 acre wildlife management area making use of mechanical action, chemical applications and prescribed fire.  
Conducting photopoints and wildlife surveys to monitor the effect of habitat management practices on wildlife and their environment.  
Conducting prescribed burns.  
Restoration of scrub habitat and surveying for scrub jays.  
Apply herbicides to exotic plants.  
Restoration of hydrology on a 34 000 acre wildlife management area.  
Oversee construction projects for erosion control.  
Using ArcGIS and related software to report on management actions.  
Writing scientific reports.  
Conduct activities related to conservation of Red Cockaded Woodpeckers such as doing nest inserts, banding, roost checks and relocations.

**Job title:** Safari coordinator and guide  
**Company:** High Adventure / SA Adventure  
**Period:** March 2004 – March 2005  
**Location:** Atlanta, Georgia, USA  
**Job description:** Selling photo and hunting safaris to Southern Africa, Argentina and the USA. Designing marketing material and delivering presentations to prospective clients.  
Attending conventions to liaise with outfitters and clients in order to compile FIT itineraries.  
Booking safaris based on FIT itineraries.  
Using airline software (Sabre) to plan and book airfare related to itineraries.  
Negotiate contracts with outfitters and airlines.  
Acting as guide on quail and deer hunts in Georgia and Texas.

**Job title:** Research Assistant  
**Company:** Tshwane University of Technology  
**Period:** February 2002 – October 2003  
**Location:** Pretoria, South Africa  
**Job description:** Full-time research towards my master's degree.  
Studying the ecology of Helmeted Guineafowl on agricultural farmland in order to provide farmers with management plans and to provide hunters with ratios for sustainable utilisation.  
Constant sight tracking of several flocks of Helmeted Guineafowl.  
Capturing, tagging and radio-tracking individual guineafowl.  
Habitat and vegetation analyses.  
Dissecting approximately 600 guineafowl shot by wingshooters during the hunting season.  
Shooting and dissecting 5 guineafowl monthly.  
Collecting morphological, biological and dietary data on dissected specimens.  
Collecting endo-, ecto- and blood parasites from dissected specimens.  
Collecting and analyzing data on population dynamics and bag size history in order to investigate the sustainability of wingshooting in the area.  
Supervising up to 15 students at a time that assisted with field research, sight tracking and dissections.  
Conducting interviews with farmers and completing questionnaires in order to construct a land-use map covering approximately 200 000 hectares.

**Job title:** Research Assistant  
**Company:** North West University  
**Period:** January 2000 – January 2002  
**Location:** Potchefstroom, South Africa  
**Job description:** Part-time, mostly weekends, field research towards my B.Sc. (Honors) degree.  
Studying ecology of small mammals as part of a management plan for Mongêna Game Ranch, South Africa.  
Capturing small mammals using Sherman live traps.  
Taking morphological measurements of small mammals and releasing them afterwards.  
Toe-clipping specimens and identifying recaptured specimens to estimate population sizes.  
Vegetation surveys to establish different habitat types.  
Relating small mammal surveys to habitat types in order to describe the

ecology of the small mammal species.  
Using the occurrence of small mammals as indicators for assessing the status of the habitat in order to provide advice on the management plan for Mongêna Game Ranch.

**Job title:** Senior Credit Facilitator  
**Company:** Avroy Shlain Cosmetics  
**Period:** July 1996 – December 2000  
**Location:** Midrand, South Africa  
**Job description:** Responsible for collecting approximately R2 000 000 per month from existing clients.  
Supervising two credit facilitators.  
Liaising extensively with clients over the phone and in person in order to facilitate their accounts.  
Regular office duties.

**Publications:** Sex-related variation in morphology of helmeted guineafowl (*Numida meleagris*) from the Riemland of the north-eastern Free State, South Africa. *South African Journal of Wildlife Research* 35(1): 95 – 96 (April 2005).  
Authors: H.C. Prinsloo, V. Harley, B.K. Reilly & T.M. Crowe.

The diet of Helmeted Guineafowl (*Numida meleagris*) in the Riemland of the northeastern Free State, South Africa. *South African Journal of Wildlife Research*.

Authors: Hélen C. Prinsloo, Victor Harley, Prof. B.K. Reilly, Prof. T.M. Crowe.

Identifying potential protected areas in the Grassland Biome of South Africa. *South African Journal of Science* 117(3/4)(March 2021).

Authors: Hélen C. Prinsloo, Prof. B.K. Reilly, Prof. W. Myburgh.  
<https://doi.org/10.17159/sajs.2021/7507>

**Additional private and consulting activities:**

June 2002 – August 2003: Providing advice and help with organising of large gamebird hunts (36 people per hunting party) for Mr. Peter Wales in the northeastern Free State, South Africa.  
Consulting Mr. Peter Wales and farmers in the northeastern Free State on conservation methods and wingshooting ratios for sustainable utilisation in the area.

February 2003 – May 2003: Consulting Middelburg Collieries on methods of improving the quality of habitat and increasing the numbers of gamebirds on rehabilitated land.

September 2003: Consulting farmers in the Arlington region of the eastern Free State on methods for improving gamebird habitat and ratios for sustainable utilisation.

September 2003: Consulting farmers in the Viljoenskroon region of the northern Free State on methods for improving gamebird habitat and ratios for sustainable utilisation.

October 2002: Speaker at conference day of The South African Journal of Wildlife Research. Topic: The ecology of small mammals on Mongêna Game Ranch, Gauteng, South Africa.

June 2003: Abstract of master's dissertation used in NRF's (National Research

Foundation) annual brochure representing the niche area: Decision Support to the Wildlife Industry.

**Volunteer experience:**

2000 – 2001: Collecting data on the status of wetlands in Mpumalanga, South Africa, for use in the Rennies Wetland Project.

2002: Tracking elephants in Kruger National Park to collect data on feeding behaviour and cortisol levels in faeces.

**Corporate experience:**

Personal assistant to credit manager

Credit facilitator

Senior credit facilitator

While studying towards my B.Sc. and Honors degrees, I worked fulltime at Avroy Shlain Cosmetics, a corporate company. I was promoted twice during the period 1997 – 2002 and my duties included assisting the credit manager in regular office activities, full credit control (debt collecting) and supervising other credit facilitators.

**Education:**

**Institution:** Tshwane University of Technology

**Location:** Pretoria, South Africa

**Period:** 2017-2021

**Qualification:** D.Tech (Nature Conservation)

**Institution:** Tshwane University of Technology

**Location:** Pretoria, South Africa

**Period:** 2002-2003

**Qualification:** M.Tech (Nature Conservation) - Cum Laude

**Institution:** Northwest University

**Location:** Potchefstroom, South Africa

**Period:** 2000-2001

**Qualification:** B.Sc. (Hons.) Zoology - Cum Laude

**Institution:** UNISA

**Location:** Pretoria, South Africa

**Period:** 1996-1999

**Qualification:** B.Sc (Biology)

**Institution:** Salomon Senekal Hoërskool

**Location:** Viljoenskroon, South Africa

**Qualification:** Senior Certificate

**Subjects:** Afrikaans (1<sup>st</sup> language) - A

English - A

Mathematics - A

Accountancy - A

Biology - A

Science - B

**Computer skills:** MS Office - Expert  
ArcView / ArcMap / ArcCatalog / GIS / GPS – Expert  
BPCS - Expert  
Sabre - Expert  
Statistica - Intermediate

**Additional training and licences:** ArcGIS 9.0  
Basic Fire Management  
Interagency Prescribed Fire School  
Licensed Restricted Herbicide Applicator  
Licensed Archeological Resource Monitor  
Safe-Capture and Immobilisation of Animals  
Natural Plant Communities of Florida  
Teambuilding  
Communication skills  
Junior management

**References:**

**Dr. Ray Jansen:** Senior Lecturer - Tshwane University of Technology  
email: [jansenr@tut.ac.za](mailto:jansenr@tut.ac.za)  
Phone: 012 318 6115

**Dr. Henry Davies:** Chairman - KZN Crane Foundation  
email: [henry@kzncrane.co.za](mailto:henry@kzncrane.co.za)  
Phone: 033 343 3630

**Mr. Tim Snow:** Project Manager - Endangered Wildlife Trust  
email: [snowman@ewt.org.za](mailto:snowman@ewt.org.za)  
Phone: 082 802 6223

**Prof. Brian Reilly:** Professor - Tshwane University of Technology  
email: [reillyb@techpta.ac.za](mailto:reillyb@techpta.ac.za)  
Phone: 012 318 5215

**Prof. Tim Crowe:** Professor - University of Cape Town  
email: [Timothy.Crowe@uct.ac.za](mailto:Timothy.Crowe@uct.ac.za)  
Phone: 021 650 3292

**Mr. Lee Walton:** Senior Ecologist - Biological Research Associates  
email: [lwalton@entrix.com](mailto:lwalton@entrix.com)