

	CURRICULUM VITAE
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NAME	Nico-Ronaldo Retief
DATE OF BIRTH	07 February 1982
ID Number	8202075093082
Tel	072 666 6348
Email	ronaldoretief@gmail.com
PROFESSION/SPECIALISATION	Ecological specialist studies, Wetland specialist studies, Aquatic specialist studies; Mining specialist studies; Visual Impact specialist studies; Professional Environmental Assessment Practitioner
NATIONALITY	South African
YEARS' EXPERIENCE	16 years

KEY QUALIFICATIONS: I have 156 years' experience in the environmental consulting industry. My key interest falls within the water and mining industry. I completed my Masters in Zoology in February 2007 and since August 2010 I have been registered as a Professional Natural Scientist in Zoological Science, Ecological Science & Environmental Science. I have considerable experience in the writing of EIA reports and have managed a variety of small- to large-scale EIA projects ranging from electrical power lines to housing developments. I have completed over 90 EIA projects, more than 50 Water Use License Applications, more than 20 mining related applications and more than 55 specialist input assessments.

I have vast experience as an Environmental Assessment Practitioner with expertise in: Water Quality Management, GIS mapping (in particular, PlanetGIS and ArcGIS software packages) and Surface Water Management.

I have valuable practical experience in the following EIA fields: bulk service infrastructure, water pipelines, sewage pipelines, road projects and upgrades; residential developments; renewable energy, mining applications and water use license applications. I am also proficient in conducting aquatic, wetland and ecological assessments. I have undertaken a variety of Visual Impact Assessments and utilise GIS and onsite first-hand experience when compiling the reports.

I believe that I am a valuable asset in any environmental industry owing to my experience, knowledge and expertise. I have the ability to lead, train and inspire staff to be enthusiastic and goal-orientated. I am self-motivated and maintain an organised efficient work habitat.

I am registered as a professional environmental assessment practitioner with EAPASA 2019/181.

My Career Specialist skills include:

- Biomonitoring;
- EIA guidance;
- Environmental Compliance Monitoring (ECO)
- Ecological Assessments and environmental identification and mapping;
- Drafting and Preparing Environmental Management Plans (EMPs);
- Undertaking Public Participation;
- Preparing Strategic guideline documents and training material;
- Compiling EIA reports;
- EIA guidance and recommendations;
- Mentoring junior staff;

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<ul style="list-style-type: none"> • Project Procurement; • Project Invoicing and Billing; and • Water Quality Management; • Wetland Delineations; • GIS mapping and map production; • Environmental Impact Assessments; • Water Use License Applications; • Mining applications and Guidance; • Water Quality Management; • Petroleum (Filling Stations) Groundwater Monitoring; • Filling Stations Gas Monitoring; • Aquatic Impact Assessments; • Visual Impact Assessments; • SASS5 & Biomonitoring; • Conduct and manage Environmental Impact Assessments (EIAs) and other environmental investigations according to the new EIA legislation. • Providing input for strategic assessment, policy development and reporting. • Interpreting and applying environmental legislation. • Develop, plan, co-ordinate and facilitate Public Participation Processes (PPP). • Client and authority liaison. • Compiling, reviewing and approving project proposals and environmental reports. • Developing and implementing Environmental Management Plans (EMP's). • Conducting environmental monitoring, reviews and audits. • Mentoring of junior staff. • Manage project budget and programme. • Provision of ongoing assistance and support to line managers and rest of the environmental team.
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EMPLOYMENT RECORD:

March 2020 - Present	NCC Group – Professional EAP and Ecologist
June 2018 – March 2020	Delta Built Environment Consultants – Professional Environmental Assessment Practitioner
December 2017 – June 2018	Bokamoso Landscape Architects and Environmental Consultants
May 2015 – November 2017	PRISM Environmental Management Services, Position
September 2014 – April 2015	DMT-Kai Batla
June 2014 – August 2014	Kantey and Templer
September 2013 – May 2014	GladAfrica Environmental Management
August 2012 – April 2013	African Innovative Solutions and Projects
May 2011 – July 2012	Lidwala Consulting Engineers
March 2010 – April 2011	Strategic Environmental Focus
May 2009 – February 2010	Savannah Environmental
April 2007 – April 2009	Nemai Consulting

PROFESSIONAL EXPERIENCE:

Environmental Impact Assessments: Electricity

<ul style="list-style-type: none"> • Eskom – Dunnottar 88kV substation and power lines – 2011; • Eskom – Koeberg Integration Project – 2009; • Eskom – Tshwane Strengthening Project. Report – 2009;

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- Mulilo – Wind Monitoring Masts – 2009;
- Mulilo – Siting exercise for a solar energy facility – 2009;
- Exxaro – Wind Monitoring Mast near Brand-se-Baai – 2009;
- Biotherm – Wind monitoring masts on farms within the Overberg – 2009;
- Eskom – Majuba Power Station Ash Dump Expansion project 2012;
- Eskom – Tabor-Nzhelele 400kV power line between Polokwane and Musina – 2012;
- Zimbabwe Power Company – expansion of the power station, Hwange – 2014R

Environmental Impact Assessments: Mining

- Lonmin – Karee 4 Mine EMPR amendment – 2010;
- Frankfort Mineral Resources – Priority East Prospecting Right Application – 2010;
- BHP Billiton – Klipspruit Mining Colliery – 2010; \
- Sound Mining Solutions – Proposed Prospecting in the Northern Cape near Kuruman – 2011;
- Exarro Resources – Inyanda Coal Mine – 2012;
- Sebilong – Sebilong Chrome Retreatment Works – 2013; 3
- Kumba Iron Ore – Sishen mine borehole monitoring for the DMR – 2012;
- Northam Platinum Limited Production Works Expansion Zondereinde division for Northam Platinum – 2015;
- Section 24G Rectification Application for the BP Wiggill Engineering Foundry in Boksburg North – 2016;
- Maroeloesfontein AEL monitoring and audit report in Thabazimbi, Limpopo Province 2016;

Environmental Impact Assessments: Residential / Commercial Infrastructure

- Highlands Estate – Mixed-Use Development – 2010;
- Limpopo Department of Health – Limpopo Academic Hospital in Polokwane – 2010;
- Mogale City Local Municipality – Munsieville Extension 6 Township Development – 2011; Olivier Construction – Kuruman Development – 2012;
- Thaba Ya Batswana – Stone River's Arch Mixed-Use Development Klipriver Drive – 2014; World Bank – ASIDI Schools Development in Mthatha (Development of EMPs and ECO monitoring) – 2014;
- Village Green Township Development – 2016;
- Roodekrans Ext 26 Township Development – 2015;
- Nederburg Mixed-use Development – 2016;
- Greengate Ext 70 – 2016, 2017;
- Greengate Ext 69 – 2016, 2017;
- Greengate Ext 68 Curro School – 2016, 2017;
- Olievenpoort Ext 47 Development – 2017;
- Portion 96 Lindley Township Development – 2017;
- Ptn 71 of Knopjeslaagte housing development, 2017;
- Dr. Yusaf Dadoo Hospital Expansion, EIA, Ecological Reporting, 2017
- Wesgro Locale & Master Plan Cape Health Technology Park, Wesgro, 2018,
- Review of Tubatse Business Plan, Limpopo Economic Development Agency, 2018
- JDA Central Fire Station Environmental, JDA, 2018,
- West Rand Agro-Processing HUB, GIFA, 2018;
- DBSA Town Planning Human Settlement, Wayo Consulting, 2018;
- Umzimkhulu LM, Umzimkhulu LM, 2018;
- EIA and Township Establishment for Musina Makhado SEZ, Limpopo Economic Development Agency; 2017;

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- DPW Oshoek Site Clearance; 2017;
- Upgrading of Roads in Devon; 2017;
- KZN DOHS Serviced Sites Programme – Bellair; 2016;
- DPW Site Clearance DOJ Umlazi; 2016;
- DPW Site Clearance DOJ Grassy Park; 2016;
- EMM Roads and Stormwater Norkem Park;
- DPW Site Clearance Sterrewag; 2015;
- Lesotho Border Road; 2014;

Environmental Impact Assessments: Infrastructure

- Heartland Properties – Marlboro Road Extension (M60) – 2010;
- Sanral – Road Upgrades – Hendrina along the N11 to Ermelo (Work Package 2); Amersfoort to Majuba Power Station (Work Package 3) & Bethal to D622 (Work Package 4) – 2012; Sanral – Notwane River Bridge upgrade between South Africa & Botswana – 2009;
- City of Tshwane Metropolitan Municipality – Upgrade of Charles Street – 2008;
- Gautrans – Upgrade of the R103 between van Dyk & Diana Roads – 2009
- Gautrans – Upgrade of Moore Street – 2009;
- Passenger Rail Agency of Southern Africa – Doornfontein Railway Station – 2008;
- Sanral – N11 Section 10 Road Rehabilitation and Upgrade between Middelburg and Loskop Dam – 2012;
- City of Tshwane Metropolitan Municipality – Rehabilitation of the Apies River between Wonderboom junction and Rosslyn Road – 2014;
- Onderstepoort Biological Products – DEC- Development of a vaccination plant at the existing Onderstepoort Veterinary plant – 2015;
- Gautrans – Rose Interchange – 2016;
- Boukorp (Pty) Ltd – Greengate Electrical Powerline – 2016;
- Transnet Freight Rail, Erection of a fence around City Deep Terminal, Kascon Yard and Kaserne Marshall Yard, 2020.

Environmental Impact Assessments: Bulk Services Infrastructure

- Mogale City Local Municipality – Munsieville Bulk Sewer Pipeline – 2011;
- Johannesburg Property Company – Pimville Golf Course – 2007;
- Johannesburg City Parks and Zoo – Upgrade of Regional Parks within Soweto – 2008-09;
- Rand Water – Zuikerbosch Central Sludge Pipeline – 2007;
- Ekurhuleni Metropolitan Municipality – Kempton Park Eastern Outfall Sewer – 2008;
- Ekurhuleni Metropolitan Municipality – Signal Hill Reservoir – 2008;
- City of Johannesburg Metropolitan Municipality – Bruma Lake Desiltation – 2009;
- Moses Kotane Local Municipality – Ledig Water Supply Project – 2008; Sun International – Sun City Recreational Dam – 2008;
- Dr Ruth Segomotsi Mompati District Municipality – Pomfret and Bray Wastewater Treatment Works, Waste licenses, environmental licences and Water Use Licenses – 2013;

Environmental Impact Assessments: Water Quality Guidelines

- National Department of Health – Water Quality Monitoring Training and Training Manual Development for Domestic Use – 2012;
- Strategic Environmental Focus – Environmental Opinion for the Mine Waste Solutions Reclamation Project – 2012;
- Heartland Properties – Modderfontein Conservation Park – 2012;

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- Department of Water and Sanitation – Wise use of Wetlands. Compilation of a Wise Use of Wetlands and Best Practise Guideline for the Department of Water Affairs (DWA) – 2008;
- Department of Water and Sanitation – Agricultural Research Project for Wineries. Preparation of posters, pamphlets and a T-Shirt for the research project. The topics for the project consisted of wineries, eutrophication, agricultural strategies and a communication framework in agriculture – 2008;
- Department of Water and Sanitation – Resource Directed Measures. Preparation of user-friendly material for Resource Directed Measures including the Spatial and Time Series Information Modelling Software (SPATSIM), Groundwater Resources Directed Measures (GRDM) and Teacha (Tool for Ecological Aquatic Chemical Habitat Assessment) software packages. A layman's pocket guide and a poster were also prepared. This material was work-shopped throughout South Africa – 2007-08;
- Department of Water and Sanitation – Resource Directed Management of Water Quality: Attended a workshop at the CSIR International Conference Centre where the training material, posters etc. were discussed. Amending the posters and pamphlets with Corel Draw Graphics suite – 2008.
- Steyn City Water Quality Monitoring reports for in-situ and monthly water quality reporting, 2017;

Environmental Impact Assessments: Ecological Assessments

- Umgeni Water – Mhlabatshane Dam: Preparing a specialist study report as well as conducting a site visit on the feasibility of the site for the construction of the Mhlabatshane Dam. The report consisted of the feasibility and general characteristics of the area while also discussing the water quality of the site – 2008;
- City of Tshwane – Capital Park Feasibility study. Compiled a feasibility report for the proposed housing development in Capital Park. This was accomplished with the aid of PlanetGIS map overlays – 2008;
- Kumba Iron Ore – Sishen mine development of a Biodiversity Action plan, Ecological Baseline study and Monitoring protocol for the expansion of the mine towards the west from the current site 2012.
- Honeydew Grove Ext 15 development, Ecological Scan report to identify the sensitivity and importance of the proposed site's development, ongoing.
- Steyn City Water Quality Monitoring reports for in-situ and monthly water quality reporting, 2017;
- Randpark Ridge Water Quality monitoring reporting and assessment of the water quality onsite, 2017;
- Maroeloesfontein Mine, Air Quality monthly reporting and report development 2017;
- Dr Yusuf Dadoo Hospital Ecological Assessment, Phase 1, 2017;
- Olievenpoort Ext 47. Ecological Impact Assessment, 2017;
- Greengate Ext 70, 68 and 69 Ecological Assessments, 2017;
- Temple development along Malibongwe Road in Northgate area, Ecological Assessment, 2017;
- Erand Gardens Ext 15, Ecological Assessment and site inspection, 2017.
- Olympus AH 72 site inspection with search-and-rescue for orange listed and red listed plant species, Bronberg, Tshwane, 2017;
- Glenvista Fauna and Flora amendment assessment, 2017;
- Jukskei View Mixed-Use Development in Midrand Ecological Assessment and Scan (Waterfall Ridge), 2017;
- La Montagne Ecological Assessment, 2018;

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<ul style="list-style-type: none"> • Kameeldrift Voere (Pty) Ltd, Alien Eradication Plan and Plant Species Map, 2018; • Chamdor X4 Mixed Use Development Ecological Assessment, 2018; • PWV18 Ecological Assessment, 2018; • TUT Ga-Rankuwa Sports Precinct Ecological Assessment, 2018; • Berea Park, City of Tshwane marking and tagging of oak trees, 2018; • Knopjeslaagte x19 Ecological Assessment, 2018; • Equestria residential development, ecological scan and wetland delineation, 2018; • Carnival City Dalpark Ecological Assessment, 2018; • Cayman Academy ecological assessment, 2018; • Hazeldean Road ecological assessment, 2018; • Faerie Glen Ecological Scan, 2018; • Secunda filling station ecological opinion, 2018; • Mooibosch development ecological opinion, 2018; • Peach Tree x25 residential development ecological assessment, 2018 • SA Defence Force ecological opinion, 2018; • Kudube rising main and pump station ecological assessment, 2018 • Kudube pump station ecological assessment, 2018; • Tonga Retail ecological weed eradication plan, 2018; • Welgedacht filling station ecological assessment, 2018; • DPW Oshoek Site Clearance; 2019; • Eastleigh Culvert Upgrade, 2019. • Kliprivier Kleinboere (Pty) Ltd. Romansrivier, Western Cape, 2019 • Transnet Freight Rail City Deep Terminal, Kascon Yard and Kaserne Marshall Yard Fence, 2020. • Centurion Aerospace Village, Water Pipeline 2020 • Ekurhuleni Metropolitan Municipality, Malvern East Pipelines, 2020
<u>Environmental Impact Assessments: Wetland Assessments</u>
<ul style="list-style-type: none"> • Eskom – Majuba Power Station Ash Dump Expansion Project – Wetland Delineation and Functional Assessment 2012; • Lekwa-Teemane Municipality – Mamusa Bulk Pipeline Project between Bloemhof and Schweizer-Reneke – Wetland Delineation and Functional Assessment and Water Use License – 2012; • DPW Oshoek Site Clearance; 2019; • Eastleigh Culvert Upgrade Wetland Assessment, 2019 • Kliprivier Kleinboere (Pty) Ltd. Romansrivier, Western Cape, 2019 • Malvern East Pipelines, Ekurhuleni, 2020
<u>Environmental Impact Assessments: Air Quality Assessments</u>
<ul style="list-style-type: none"> • Maroeloesfontein Mine, development of a Monitoring Programme based on the Approved Air Emissions License issued by LEDET, 2016, 2017 with dust monitoring reports.
<u>Environmental Impact Assessments: Waste / landfill site</u>
<ul style="list-style-type: none"> • Kgatelopele Municipality – Danielskuil Domestic Waste Site EIA – 2011;
<u>Environmental Impact Assessments: Filling Stations, Gas monitoring & Groundwater Monitoring</u>
<ul style="list-style-type: none"> • Engen Petroleum – 72 groundwater monitoring boreholes around Gauteng, Free State, North West and Mpumalanga – 2014; • Engen Petroleum – Removal of storage tanks at the Bellavista Service Station – 2014; • Engen Petroleum – Upgrade / removal of the fuel storage tanks at the Rustenburg

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<p>Depot – 2014;</p> <ul style="list-style-type: none"> Engen Petroleum – Proposed installation of 1 x 5 000m³ aboveground fuel storage tank and associated handling infrastructure at Engen Rustenburg Depot – 2014; Volkswagen SA – Borehole assessment report for Volkswagen SA, Port Elizabeth plant, Eastern Cape for Volkswagen SA, Port Elizabeth plant, Eastern Cape – 2014; Volkswagen SA – Borehole assessment report for Volkswagen SA, Uitenhage plant, Eastern Cape for Volkswagen SA, Uitenhage plant, Eastern Cape – 2014; Engen Petroleum – Tank removal, groundwater monitoring, gas testing, level 1 and 2 assessment and Permit to Work for 72 Engen Filling Stations around Gauteng, Mpumalanga, Free State and Northwest 2014. Groblersdal filling station EIA and establishment, 2018; Greenstone filling station EIA, 2018; Dennehof filling station EIA, 2018; Selby ext. 19 filling station EIA, 2018;
Environmental Impact Assessments: Visual Impact Assessments:
<ul style="list-style-type: none"> Nkosi City Integrated Human Settlement, Mpumalanga province visual impact assessment, 2018; Dalpark Ext 32 Mixed-Use Development visual impact assessment, 2018; La Montage Reservoir and access road visual impact assessment, 2018; Glenvista Residential Development visual impact assessment, 2018; DPW Oshoek Site Clearance; 2017;
Environmental Impact Assessments: Water Use License Applications & General Authorisations
<ul style="list-style-type: none"> Heartland Properties – Westlake View WULA. Compilation of this Integrated Water Use License Application for the proposed project – 2009; Heartland Properties – Marlboro Road Extension (M60). Compilation of this Integrated Water Use License Application for the proposed project – 2009; Heartland Properties – Highlands Estate Ext 5, 6 & 7: Compilation of the Integrated Water Use License Application for this project – 2009; Mooi-nooi Chrome Processing Plant – Compilation of this Integrated Water Use License Application – 2011; Sanral – N14 WULA. Compilation of this Integrated Water Use License Application – 2009; Minco Mineral Holdings - Compilation of the Integrated Water Use License Application – 2009; Sebilong – Sebilong Chrome Retreatment Plant – 2012; Dr Ruth Municipality – Bray and Pomfret Waste Water Treatment Works – 2013; Franskraal Bowling Club – Water Use License – 2013; Transvaal Gold Mining – Tailings Water Use License – 2013; Tamboekiesfontein – Compilation of an Integrated Water Use License Application – 2015; Vista Park Extension 10 – Compilation of an Integrated Water Use License Application – 2015; SAFDEV SSDC (Pty) Ltd – K6 Road Upgrade – Compilation of an Integrated Water Use License Application – 2015; Summerset Ext. 25 – Compilation of an Integrated Water Use License Application – 2015; Rose Interchange – Compilation of an Integrated Water Use License Application – 2016; Randpark Ridge Extensions – Compilation of an Integrated Water Use License

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<ul style="list-style-type: none"> Application – 2015; Greengate Electrical line – Compilation of General Authorisation – 2016; Willowbrook Integrated Water Use License Application – 2016; Wilgeheuvel Ext 60 Water Use License Application – 2016; Nederburg Mixed-Use Development Water Use License Application – 2016, 2017; The Village X10 Residential Development – Water Use License Application – 2016, 2017; P39-1 (N14) Diepsloot Interchange – General Authorisation – 2017; Rietvlei Farm Village Sewage Treatment Works – Water Use License Application – 2018; Oshoek Land Port of Entry – Water Use License Application, 2019

Environmental Impact Assessments: Aquatic Assessments

<ul style="list-style-type: none"> Johannesburg Water – Biomonitoring on numerous urban rivers (including the Jukskei River, Harrington Spruit and Klip River) to obtain baseline data to detect disturbance and non-compliance of various construction activities on aquatic ecosystems. This includes the Northern Wastewater Treatment Works, Goudkoppies Wastewater Treatment Works, Bushkoppie Wastewater Treatment Works and Olifantsvlei Wastewater Treatment Works – 2008; Johannesburg Water – Zandspruit Sewage Spill: Investigation for the Northern Wastewater Treatment Works on foot from its effluent discharge point to the City of Johannesburg sampling point (J5). This was done to identify possible causes of higher dissolved oxygen levels at J5 compared to the control site DWJ27 in the Jukskei River – 2008 Johannesburg Water – Zandspruit Pump Station Sewage Spill. Biomonitoring in the Klein Jukskei River above the pump station and below the pump station. Physical water quality variables were also taken while onsite – 2008; City of Johannesburg – Upper Klipspruit Catchment Framework: Determine any sources of pollution and to identify impacts or anthropogenic stresses on the upper Klipspruit system. This was done for improving both river systems for the 2010 Soccer World Cup. A comprehensive report was compiled called the “Sustainable Urban River Management Plan for the Upper Klipspruit Catchment”. Co-author for the report and also compiled the water quality data – 2008; City of Johannesburg – Bruma Lake Rehabilitation: Undertaking the biomonitoring of the Jukskei River at the inlet to the Bruma Lake at UJ5 (DWA water sampling point) and below Bruma Lake at the DWA sampling site UJ6. The results were included as a specialist study for an environmental Impact assessment for the Rehabilitation of Bruma Lake – 2009. CASIDRA – Klein Boere – Romansrivier Aquatic Assessment to assist with the basic assessment report for the Kleinboere Vereniging - 2019

Environmental Impact Assessments: Amendment Applications

<ul style="list-style-type: none"> Wilgeheuvel Ext 60 Amendment Application Phase 1 and Phase 2, GDARD, 2017; Strubensvallei x10 Amendment Application Phase 1, GDARD, 2017;
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Environmental Impact Assessments: International Projects

<ul style="list-style-type: none"> Upgrade of the Notwane river bridge crossing at the Swartkopfontein Border Post between South Africa and Botswana, EIA, 2009. Zimbabwe Power Company, Mining and EIA for the supply of coal to the Hwange Coal fired power station, 2014

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<u>Carbon Footprint</u>	
<ul style="list-style-type: none"> Lanseria International Airport, Airport Carbon Accreditation, 2019 	
<u>EDUCATION:</u>	
Rand Afrikaans University (2001-2003)	B.Sc.
Rand Afrikaans University (2004)	B.Sc. Honours
University of Johannesburg (2005-2007)	M.Sc.
<u>CAREER ENHANCING COURSES:</u>	
GDARD - 14, 15 April 2008	Basic Wetlands
Lexis Nexis Sandton - 12 October 2009	Lexis Nexis
FET Water - Dept. Water Affairs 08 March 2010	Risk Management of Aquifers
Strategic Environmental Focus- 13 August 2010	NEMA Legislation 2010
Dept. Water Affairs - 08, 09 September 2010	Section 21 c & i
ProjectLink - 20 & 21 June 2011	Microsoft Project Professional
Prowalco 6-8 June 2014	Engen Permit to Work
2014:	Health and Safety (Level 1 & 2 First Aid)
2014:	Firefighting
2004:	Advanced 4 x 4 driving course
2019:	Mine Closure and Case Law Development Workshop 20 June 2019 by Imbewu
<u>PROFESSIONAL AFFILIATIONS:</u>	
Registration No: 005636	Professional Ecological, Environmental and Zoological Scientist: South African Council for Natural Scientific Professions
N/A	Member of the Zoological Society of Southern Africa
N/A	Member of the International Association for Impact Assessment South Africa
N/A	Member of the Water Institute for Southern Africa (MWISA)
Registration No: 2019/181	Professional Environmental Assessment Practitioner with Environmental Assessment Practitioners of South Africa

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	(EAPASA)
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LANGUAGE:

LANGUAGE	SPEAKING	READING	WRITING
English	Fluent	Fluent	Fluent
Afrikaans	Fluent	Fluent	Fluent

PUBLICATIONS:

- Retief, N.-R., Avenant-Oldewage, A., du Preez, H.H. 2006. The use of cestode parasites from the largemouth yellowfish, *Labeobarbus kimberleyensis* (Gilchrist and Thompson, 1913) in the Vaal Dam, South Africa as indicators of heavy metal bioaccumulation. Physics and Chemistry of the Earth 31, 840-847.
- Retief, N.-R., Avenant-Oldewage, A., du Preez, H.H. 2007. Ecological aspects of the occurrence of Asian tapeworm, *Bothriocephalus acheilognathi* Yamaguti, 1934 infection in the Largemouth yellowfish, *Labeobarbus kimberleyensis* Gilchrist and Thompson, 1913 in the Vaal Dam, South Africa. Physics and Chemistry of the Earth 32(15-18), 1384-1390.
- Retief, N.-R., Avenant-Oldewage, A., du Preez, H.H. 2009. Seasonal study on *Bothriocephalus* as indicator of metal pollution in yellowfish, South Africa. Water SA 35 (3) 315-322.



**Die Raad en Senaat van die
RANDSE AFRIKAANSE UNIVERSITEIT
verklaar hiermee dat die graad**

**The Council and the Senate of the
RAND AFRIKAANS UNIVERSITY
hereby certify that the degree**

BACCALAUREUS SCIENTIAE

met studierigting with field of study

**Natuur- & Omgewingswetenskappe
Natural & Environmental Sciences**

met al die regte en voorregte daaraan
verbonde kragtens die Statuut van die
Universiteit toegeken is aan

with all its associated rights and privileges
in accordance with the Statute of the
University has been awarded to

NICO-RONALDO RETIEF

by geleentheid van 'n kongregasie
van die Universiteit

at a congregation of the
University

Rector/Rector

Viserektor (Navorsing en Akademiese Bestuur)
Vice-Rector (Research and Academic Management)

21 APRIL/APRIL 2004
Johannesburg
ID 8202075093082





**Die Raad en Senaat van die
RANDSE AFRIKAANSE UNIVERSITEIT
verklaar hiermee dat die graad**

**The Council and the Senate of the
RAND AFRIKAANS UNIVERSITY
hereby certify that the degree**

BACCALAUREUS SCIENTIAE CUM HONORIBUS

met studierigting

with field of study

**Dierkunde
Zoology**

met al die regte en voorregte daaraan
verbonde kragtens die Statuut van die
Universiteit toegeken is aan

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in accordance with the Statute of the
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NICO-RONALDO RETIEF

by geleentheid van 'n kongregasie
van die Universiteit

at a congregation of the
University

Rector/Rector

Viserektor: Navorsing en Akademiese Bestuur
Vice-Rector: Research and Academic Management

10 DESEMBER/DECEMBER 2004
Johannesburg
ID 8202075093082





UNIVERSITY
OF
JOHANNESBURG

Die Raad en Senaat van die
UNIVERSITEIT VAN JOHANNESBURG
verklaar hiermee dat die graad

The Council and the Senate of the
UNIVERSITY OF JOHANNESBURG
hereby certify that the degree

MAGISTER SCIENTIAE

met studierigting with field of study

Dierkunde
Zoology

met al die regte en voorregte daaraan
verbonde kragtens die Statuut van die
Universiteit toegeken is aan

with all its associated rights and privileges
in accordance with the Statute of the
University has been awarded to

NICO-RONALDO RETIEF

by geleentheid van 'n kongregasie
van die Universiteit

at a congregation of the
University

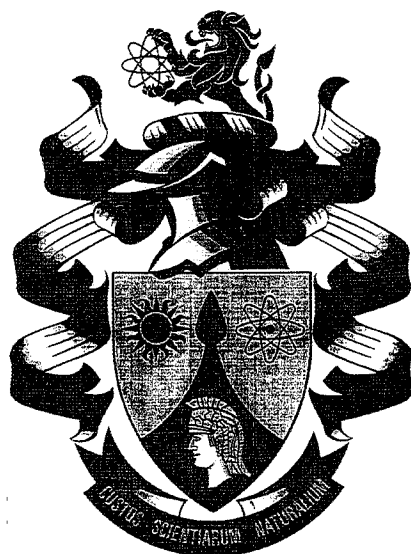
Visekanselier/Vice-Chancellor

Registrateur/Registrar

02 OKTOBER/OCTOBER 2007
Johannesburg
ID 8202075093082



21741



THE SOUTH AFRICAN COUNCIL
FOR
NATURAL SCIENTIFIC PROFESSIONS

herewith certifies that

Nico-Ronaldo Retief

Registration number: 400134/10

is registered as a

Professional Natural Scientist

in terms of section 20(3) of the Natural Scientific Professions Act, 2003

(Act 27 of 2003)

in the following field(s) of practice

(Schedule I of the Act)

Environmental Science
Zoological Science

04 August 2010
04 August 2010

4 August 2010

Pretoria


President


Chief Executive Officer



herewith certifies that

Nico-Ronaldo Retief

Registration Number: 005636

is a registered scientist

in terms of section 20(3) of the Natural Scientific Professions Act, 2003
(Act 27 of 2003)
in the following field(s) of practice (Schedule 1 of the Act)

Ecological Science (Professional Natural Scientist)
Zoological Science (Professional Natural Scientist)
Environmental Science (Professional Natural Scientist)

Effective **4 August 2010**

Expires **31 March 2021**



A handwritten signature in black ink, appearing to read 'Botha'.

Chairperson

A handwritten signature in black ink, appearing to read 'M. J. ...'.

Chief Executive Officer



EAPASA

Unit 19 Oxford Office Park
3 Bauhinia Street
Highveld Techno Park
Centurion
0157
Tel. (+27) 12 880 2154

Environmental Assessment Practitioners Association of South Africa

Advancing environmental assessment practice in South Africa



Email: registrar@eapasa.org / Website: www.eapasa.org

Mr Nico-Ronaldo Retief
4 Swiss le Grande
33 Kraalnaboom Avenue, Rooihuiskraal Noord
Centurion
0157

Sent by email to: ronaldoretief@gmail.com

Dear Mr Retief

Registered Environmental Assessment Practitioner: Number 2019/181

The Environmental Assessment Practitioners Association of South Africa (EAPASA) herewith certifies that Nico-Ronaldo Retief - Registration Number: 2019/181 - is a Registered Environmental Assessment Practitioner (EAP) in accordance with the prescribed criteria of Regulation 15.(1) of the Section 24H Registration Authority Regulations (Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the National Environmental Management Act (NEMA), Act No. 107 of 1998, as amended). Your registration is duly authorised by EAPASA as the single Registration Authority for EAPs in South Africa (appointed as per Regulation No. 104, Gazette No. 41434 of 8 February 2018, in terms of section 24H(3)(a) of the NEMA). Your status as a Registered EAP will be displayed in the 'EAP Register' which will be placed in the near future on the websites of EAPASA and the Department of Environmental Affairs.

Your registration is effective for a period of five years from 16 April 2019, and expires on 16 April 2024. The renewal of your registration in 2024 will be contingent on you having met the requirements of EAPASA's Continuing Professional Development (CPD) policy during each year of registration. The CPD policy and guidelines will be made available to you in the near future.

As a Registered EAP you are required to uphold the EAPASA Code of Ethical Conduct and Practice in your professional endeavours, towards the goal of quality assurance in environmental assessment practice.

Please accept my congratulations on your registration.

Best regards

Dr Richard Hill
Registrar
Date: 28 April 2019

Board Members: Ms Snowy Makhudo (Chairperson), Mr Khangwelo Desmond Musetsho (Treasurer),
Mr Malcolm Moses (Secretary), Mr Ntsako Baloyi, Mr Zama Dlamini, Mr Siyabonga Gqalangile, Ms Jacqui Hex,
Ms Sibusisiwe Hlela, Mr Phumudzo Nethwadzi, Mr Danie Neumann, Ms Keshni Rughoobeer.

Registrar: Dr Richard Hill
NPO Reg. No. 122-986