


9. Appendices

Appendix 1: Declaration and *Curriculum Vitae*: Environmental Assessment Practitioner

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, Belinda Clark, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.




Signature of the Environmental Assessment Practitioner

CEN Integrated Environmental Management Unit

Name of Company

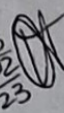
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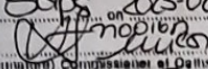
Signature of the Commissioner of Oaths

23 February 2023

Date

23/02/23 

I certify that the above statement was taken by me and that the deponent has acknowledged that he/she knows and understands the contents of this statement. This statement was sworn to / affirmed before me and deponent's signature / mark / thumbprint was placed thereon in my presence.

Walmer Sops 2023-02-23 13 52
at 
(Signature) Commissioner of Oaths
HEMASHNI CHETTY
Full First names and Surname in Block letters
SA Police Service 120 Main Road, Walmer, Port Elizabeth
Business Address (Street Address)

CST
Rank SA POLICE SERVICES

SUID-AFRIKAANSE POLISIEDIENS
DIST. 14
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WALMER
SOUTH AFRICAN POLICE SERVICE

Curriculum Vitae: Belinda Joan Clark

Personal Details:

ID Number: 7507170038084

Address: 43 Rhodes Street, Mount Pleasant, Port Elizabeth

Contact number: 072 725 6400

Email: bclark@telkomsa.net

Qualifications

- ✿ B.Sc (Botany, Geology)
- ✿ B. Sc Honours (Botany: terrestrial ecology, environmental management, agriculture)
- ✿ M.Sc (Botany: Marine Eco-physiology)
- ✿ PhD (Botany: Marine Ecology, focusing on marine pollution)

Training and Workshops:

- ✿ Light Sport Aircraft Licence: May 2018
- ✿ Private Pilot's Licence: 2020
- ✿ Eastern Cape Tour Guide Course: January 2010
- ✿ Introduction to Wildflower Identification: January 2010
- ✿ National Biodiversity Planning Forum (2018)
- ✿ National Biodiversity Planning Forum (2009)
- ✿ National Biodiversity Planning Forum (2008)
- ✿ Identification workshop on the *Ericaceae* family
- ✿ Advanced International Training in Urban Environment Management (2010 - 2011) – Sweden and Zambia
- ✿ EIA Regulations (2010, 2011, 2014) Workshops – various
- ✿ Climate Change Workshop (2011)

- Workshop: Integrated Coastal Management Act (Kenton, 2011). Imbewu
- Workshop: Introduction to the implementation of environmental law (Kenton, October, 2012). Imbewu
- Workshop: Contaminated Land Register (Port Elizabeth, February 2013). Imbewu
- Veld Management and Grass Identification course (Pretoria, February 2013). Africa Land Use Training
- Water Law Workshop (Port Elizabeth, August 2013). Imbewu
- Wetland Indaba (Cape St Francis, October 2013)
- Thicket Forum (various – 2009 to current)
- Water Use Licence Training – Section 21 c and i water use activities (August 2016)
- Estuary Management Course (December 2016)

Seminars/Presentations delivered:

- Nelson Mandela University – 2019: Environmental Management in South Africa. Presentation to Masters Students in Development Studies
- Geography Teachers Conference – 2019: Environmental management issues in the lower Baakens River Valley
- Thicket Forum – 2018: Ecosystem Guidelines for the Albany Thicket Biome
- Biodiversity Planning Forum – 2018: Ecosystem Guidelines for the Albany Thicket and Savanna Biomes
- IMESA Conference – 2018: Environmental management issues in the lower Baakens River Valley
- Nelson Mandela University – 2017: EIA process and regulations presentation to Development Studies students
- Masifunde – 2017: Presentation on Climate Change
- Nelson Mandela Bay Climate Change Conference – 2011: the role of academic institutions (specifically the NMMU Botany Department) in climate change planning
- Geography Conference – 2011: Environmental Impact Management in South Africa
- Thicket Forum – August 2008: Case study: Towards implementing environmental planning guidelines (STEP, MOSS, ECBCP) in EIAs

- ✿ Phycological Society of Southern Africa (PSSA) - January 1999: The effect of water-solute oil extracts and metals on oxygen evolution rates by *Anaulus australis*.
- ✿ PSSA – July 2000: The effect of excess concentrations of nitrate, ammonium, and phosphate on cell division cycles of *Anaulus australis*.
- ✿ PSSA – January 2002: Microalgae as indicators of pollution in surf-zones in Algoa and St Francis Bay
- ✿ PSSA – January 2003: Increases in surf-zone nutrient concentrations as a result of increased septic tank outflow after an Easter weekend
- ✿ PSSA – January 2004: Surf-zone water quality and the associated microalgal species composition
- ✿ SAAB – January 2002: Microalgae as indicators of pollution on the south coast of South Africa
- ✿ South African Marine Science Symposium (SAMSS) – January 2005 – Factors determining the dominance of dinoflagellate cells versus *Anaulus australis*.
- ✿ UPE Departmental Seminars - Hydroponics (1997), Aspects of ecophysiology of *A. australis* (1998), Microalgae as indicators of pollution (project proposal) (2000), Microalgae as indicators of pollution (2001)

Career Biography

- ✿ Nelson Mandela Metropolitan University (North Campus) (January 2004 – December 2006)
 - Responsibilities:
 - Lecturer in Epidemiology II, III and IV (Department of Environmental Health)
 - Supervising and participating in various post-graduate research projects, dealing largely with community health and environmental pollution
- ✿ IECM (January 2000 – December 2003)
 - Responsibilities:
 - Coega Harbour Environmental Monitoring and Cerebos Saltworks contracts – water and sediment quality analyses, microalgal counts, invertebrate sorting

Recent experience (CEN IEM Unit: 2006 -):

Type of work: Environmental Consulting, including management plans, feasibility assessments, construction auditing, strategic environmental assessments, environmental impact assessments, specialist surveys (e.g. forest mapping and description), public participation, training, project management.

Areas worked in: terrestrial and coastal ecosystems (estuaries and nearshore), industry, urban development, infrastructure (e.g. roads, power lines, waste water treatment works, water supply network), alternative energy projects, waste management, agricultural development, sports and recreational areas, landscaping, community projects.

List of projects worked on at CEN IEM Unit:

Note: Belinda Clark has been the primary author of all the reports listed below. She is responsible for field work, research, public participation, report writing, and project management.

Sensitivity Assessments/Feasibility Studies /Specialist Input Studies

Completed Projects:

1. Sensitivity Assessment of Ashmead Resort in Knysna, Western Cape
2. Sensitivity Assessment for the creation of a high intensity mixed-use waterfront development on Erf 577 and a portion of Erf 578, Kings Beach, Port Elizabeth
3. Sensitivity Assessment of the Old Power Station site in Swartkops, Port Elizabeth
4. Environmental Sensitivity Description of Erven 268, 287 and 288 in the vicinity of Coega, Eastern Cape
5. Environmental Comment on the Proposed Port St Johns Master Plan
6. Environmental Input into the Happy Valley Local Spatial Development Framework Plan
7. Environmental Input into the Inner City Local Spatial Development Framework Plan
8. Environmental Input into the proposed development of a Military Health Unit in Forest Hill, Port Elizabeth
9. Specialist investigation of the Kariega River Estuary in response to a proposed housing development on the eastern bank of the estuary.
10. Specialist vegetation assessment for the EIA for a housing development in Motherwell
11. Specialist Ecological Impact Assessment for the NMBM (Coega) Reclaimed Effluent Scheme – Phase 1
12. Scoping Report: A review of available information of operations at the Manganese Ore Terminal and Storage Facility and Tank Farm on Erf 578 at the Port Elizabeth Harbour area with emphasis on environmental transgressions
13. Sampling protocol to determine the extent of potential contamination in the environment surrounding the Manganese Ore Facility and Fuel Storage Tanks in the Port Elizabeth Harbour
14. Sensitivity assessment of Erf 313 in the Coega area to inform possible land use options
15. Environmental input into a feasibility study to determine suitable locations for 8 rural police stations in Transkei
16. Sensitivity assessment of the area proposed for the 'N2 North Housing Project'.
17. Forest survey of Erf 11305 and 1948, Walmer to inform land use planning
18. Forest survey of an area proposed for sand mining on a Ptn of Remainder of Erf 1948, Walmer, Port Elizabeth
19. Forest survey of the Remainder Ptn 220 of Fam Mauritzkraal No. 501 at Gamtoos River Mouth
20. Forest Survey in Seaview for municipal housing projects
21. Forest Survey of plots on the Sardinia Bay Eco-Estate, Nelson Mandela Bay Municipality
22. Forest Survey of Ptn 15 of Fam Seaview No. 28, Nelson Mandela Bay Municipality to place residential units
23. Preliminary Environmental Screening of properties in Lorraine, Walmer, Greenbushes/Kuyga area, and Colchester under consideration for acquisition by the Nelson Mandela Bay Municipality
24. Assessment of the suitability of plants used in landscaping at Marula Game Ranch in Namibia
25. Environmental Input into a feasibility assessment of a small-boat harbour in Port St Johns
26. Forest Survey on Ptn 0 (Remaining Extent) of Erf 382 in Theesecombe, Nelson Mandela Bay Municipality to inform land use planning
27. Strategic Environmental Assessment for the Happy Valley Development area
28. Development of Ecosystem Guidelines for the Savanna Biome

29. Development of Ecosystem Guidelines for the Thicket Biome
30. Assessment of Water Options for Buccara Wildlife Reserve, Graaff-Reinet.
31. Facilitation of the development of the Motherwell Community and Enviro Hub.

Management Plans

Completed Projects:

1. Development of a Coastal Management Programme for the Nelson Mandela Bay Municipality
2. Operational Environmental Management Plan for the storage of manganese ore at the old power station in Swartkops
3. Operational Management Plan for a cementitious grinding facility in the Coega Industrial Development Zone
4. Operational Management Plan for a bunkering licence application in the Port Elizabeth Port
5. Development of a Coastal Management Programme for the Sarah Baartman District Municipality

Current Projects:

1. Facilitation of upgrades to the Motherwell Buy-Back Centre, and expansion to integrate with an Enviro-Edu facility, food gardens and composting areas – ‘Motherwell Community and Enviro Hub’

Project/database management and training

1. Support consultants to the Environmental Management Sub-directorate of the Nelson Mandela Bay Municipality
2. Training facilitator for the Groen Sebenza program in the Environmental Management section of the NMBM

Environmental Auditing

Completed Projects:

1. Environmental Audit for the Upgrading of a Stormwater Channel and Wetland in Blue Water Bay
2. Environmental Audit for the Construction of Kenton Eco-Estate and Associated Infrastructure on the Farm Remainder of Grants Valley 396, Kenton-on-Sea
3. St Francis Bay Marina Extension: Final Audit
4. Environmental auditing for the upgrading of the National Road 2, Section 9 between Witelsbos and Tsitsikamma
5. Environmental auditing of the construction of the Helenvale Thusong Centre in Port Elizabeth
6. Construction auditing of the upgrades to Kings Beach area (Phase 2)
7. Construction auditing of the extension to the industrial area in Graaff-Reinet
8. Construction auditing of the Aberdeen reservoir
9. Review of compliance of an operational sand mine in Theesecombe with conditions of the EMP
10. Environmental audit of the Robberg waste disposal facility in the Bitou Municipality
11. Construction auditing of the cemetery in Graaff-Reinet
12. Construction auditing of Pola Park housing in Uitenhage
13. Construction auditing of Pola Park housing (Extension) in Uitenhage
14. Construction auditing of a cementitious grinding facility in the Coega IDZ
15. Construction auditing of the Graaff-Reinet emergency bulk water scheme
16. Construction auditing for the expansion of the NMU's internal return effluent scheme
17. Construction auditing for a sludge rising main between Cape Recife and Driftsands Waste Water Treatment Works
18. Construction auditing of the establishment of a petroport along the N2
19. Construction auditing of the installation of a pedestrian bridge across the lower reaches of the Baakens River
20. Construction auditing of the establishment of a family residence and infrastructure on Ptn 0 (Remaining Extent) of Erf 382 in Theesecombe, Nelson Mandela Bay Municipality
21. Audit of structures at Lalibela Game Reserve

22. Pre-construction planning and auditing for the establishment of infrastructure and boreholes in the Camdeboo National Park
23. Construction and operational phase auditing of the Noupoort Wind Farm
24. Construction audit of the buffer yard at the Nxuba Wind Farm
25. Pre-construction compliance audit – Latita Tank Farm (Phase 1), Zone 7, Coega Special Economic Zone.

Basic Assessment Reports

Completed Projects:

1. BAR for the proposed erection of an above-ground 2300 l diesel storage tank for a standby generator in an industrial area (Aberdare Cables)
2. BAR for the proposed rezoning and subdivision of a Portion of Erf 349, New Brighton to develop the Helenvale Community Centre (multi-purpose hall and offices) as part of the Helenvale Urban Renewal Programme.
3. BAR for the proposed augmentation of bulk water supply to Nieu-Bethesda, Camdeboo Municipality, Eastern Cape
4. BAR for the establishment of an oyster nursery on Erf 171, Swartkops (old coal power station site).
5. BAR for the proposed development of an Eco-Estate on Portion 190 of Chelsea 25, comprised of 18 residential units and associated infrastructure
6. BAR for the proposed Development and erection of a prototype 300 KW wind turbine adjacent to the Neptune Substation in the Coega IDZ.
7. BAR for the proposed rezoning and subdivision of Portion 75 of the Farm Kragga Kamma No 23 for rural-residential development.
8. BAR for the proposed rezoning, subdivision and consolidation of portions of Erf 1 and Erf 6, and the entire Erf 1583 in Uitenhage to develop housing (Joe Slovo Housing Project).
9. BAR for a desalination plant at the Old Power Station in Swartkops, Port Elizabeth
10. BAR for the construction of a water pipeline in Graaff-Reinet as part of the Drought Emergency Scheme
11. BAR for the construction of a promenade along a section of the Port Elizabeth beachfront
12. BAR for the upgrade of Kings Beach (Phase 2)
13. BAR for the proposed excavation of a portion of the western channel of the Bushmans Estuary, Eastern Cape
14. BAR for the proposed subdivision of Portion 3 of Farm No 43 in Theesecombe into 3 portions, Eastern Cape
15. BAR for the proposed sinking and pumping of two boreholes and further pumping of an additional 3 existing boreholes to supply water to the proposed Cob Creek Estate on Portion 21 of the Farm Kabeljaauws Rivier No 321 in Jeffreys Bay, Eastern Cape
16. BAR for the proposed establishment of lodges and tented camps, as well as the necessary services infrastructure on sections of the following farms in the divisions of Jansenville and Pearston, Eastern Cape Province: Remainder of the Farm Vlak Nek No 31, Ptn 1 of the Farm Vlak Nek No 31, Farm 30, Farm 101, Ptn 1 of the Farm Groot Kloof No 32, Remainder of Farm Groot Kloof No 32, Ptn 1 of the Farm Jacobsdal No 33, Remainder of Farm Jacobsdal No 33, Ptn 1 of the Farm Hinchinbrook No 92, Farm Oudeberg No 94, Ptn 4 of the Farm Smitskraal No 113, Remainder of the Farm Russouwspoort No 115, Remaining Extent of the Farm Smitskraal No 113, and Ptn 1 of the Remaining Extent of the Farm Smitskraal No 113
17. Basic Assessment and Waste Licence application of the upgrade of Kelvin Jones Waste Water Treatment Works (Phase 1)
18. BAR for the proposed construction and operation of a highway rest and service facility and associated infrastructure, including a Waste Water Treatment Plant on Ptn 147 of Farm Gedults River No 411 in the Division of Uitenhage
19. Basic Assessment for Umnyama Park Housing development in Graaff-Reinet
20. Basic Assessment for the rezoning of a portion of Erf 1226 in Fairview for a residential development
21. Basic Assessment for a lodge at Kwandwe Private Game Reserve
22. Basic Assessment for a sludge pumping main to transfer sludge from the Cape Recife Waste Water Treatment Works (WWTW) to the Driftsands WWTW
23. Basic Assessment for a communal jetty on the eastern bank of the Kromme River estuary

24. BAR for the establishment of a staff village at Kwandwe Game Reserve
25. BAR for the implementation of infrastructure needed for water provision in Graaff-Reinet
26. BAR for the expansion of the Mayfield Waste Water Treatment Works in Grahamstown
27. BAR for the expansion to the St Francis Bay WWTW
28. BAR for a gasification plant in Uitenhage
29. BAR for the proposed upgrades to sections of the lower Baakens River Valley
30. BAR for the establishment of a staff village for Kwandwe Private Nature Reserve, Makana Municipality
31. BAR for the development of a residence on Ptn 0 (Remaining Extent) of Erf 382 in Theesecombe, Nelson Mandela Bay Municipality
32. BAR for the upgrades to and expansion of the Nelson Mandela University Return Effluent reticulation system
33. BAR for a shopping centre and filling station in Mount Fletcher
34. BAR for the Florida Heights housing development and bulk infrastructure, Nelson Mandela Bay
35. BAR for the establishment of the George Airport Support Zone, George
36. BAR for the expansion of Mn ore storage capacity at the Old Power Station in Swartkops
37. BAR for the expansion of the Grid Corridor for Electrical Infrastructure for the Impofu Wind Farms.

Current Projects:

1. BAR for the establishment of a resort type development on Erf 168, Colchester
2. BAR for the establishment of a boardwalk and heliport at Noetzie, Knysna
3. BAR for demolition of parts of Bayworld
4. BAR for a light industrial development in the Airport Support Zone in George
5. BAR for the establishment of Battery Energy Storage Systems for the Impofu Wind Farms

Environmental Impact Reports

Completed Projects:

1. EIA for a Low-Density Golf and Agricultural Estate on the Remainder of the Farm Excelsior No 443, Division Joubertina
2. EIA for the Proposed Development of an Integrated Residential Estate on Erven 5614 and 5616, KwaNobuhle, Uitenhage, Eastern Province
3. EIA for the Proposed Establishment of the Sardinia Bay Golf Estate on Erf 378 Theesecombe, Port Elizabeth
4. EIA for Roll-Out Phase of an Aquaculture Operation for the Grow-Out of *Litopenaeus vannamei* Prawn Larvae for Commercial Purposes and a Process Plant, Zones 1 and 10, Coega Industrial Development Zone, Port Elizabeth, Eastern Cape Province
5. EIA for Proposed Construction of a Link Road between Grahamstown Road and Seyisi Street in Port Elizabeth and the upgrading of stormwater infrastructure
6. EIA for the proposed Rezoning and Subdivision of Farms 36 and 37 in Theesecombe, Port Elizabeth for a Rural-Residential Development, Lodge and Associated Infrastructure
7. EIA for the Proposed Rezoning, Subdivision, and Consolidation of Farm Vrede No. 190, Knysna, Western Cape for a Residential Development (Simola Phase 3)
8. EIA and Waste Licence Application for the Proposed Augmentation of the existing Waste Water Treatment Works in Nieu-Bethesda
9. EIA, Waste Licence and Air Emission Licence applications for a pyrolysis plant on Erf 329 in Zone 6 of the Coega IDZ.
10. EIA for the proposed development of a Leisure Estate (Kadouw Leisure Estate) on Remainder of Farm 201, Ptn 15 of Farm 194, and Farm 627 in the Sundays River Valley area

11. EIA for the Proposed Rezoning and Subdivision of Ptn 1 and 118 of the Farm Chelsea 25 (Kragga Kamma Game Park), Port Elizabeth, Eastern Cape
12. EIA for the Proposed Rezoning of Portions 55, 56, 62 and 81 of the Farm Maitland Mines No 478, Uitenhage, Eastern Cape to Establish Lodge Developments and a Nature Reserve
13. EIA for the proposed operation of a 55 MW photovoltaic solar farm on Ptn 2 of the Farm Kraan Vogel Kuil in Pearston.
14. EIA for a landing strip and lodge at Kwandwe Private Game Reserve near Grahamstown.
15. EIA for a proposed housing development and associated infrastructure in Mount Fletcher.
16. EIA for a proposed cement grinding facility in the Coega IDZ
17. EIA for the proposed N2 north housing development.
18. EIA for the Proposed Rezoning and Subdivision of Portion 1 of the Farm Seaview No 28 in Port Elizabeth for a Residential Development and Associated Infrastructure
19. EIA and Coastal Waters Discharge Permit application of the expansion of the Cape Recife Waste Water Treatment Works and new marine outfall sewer (Scoping Report)
20. EIA and Coastal Waters Discharge Permit application for a proposed marine pipeline servitude in the Coega IDZ (Scoping Report)
21. EIA for the establishment of the Bloemendal Arterial and Link Road in the Bethelsdorp area, NMBM.

Current Projects:

1. EIA and Air Emission Licence for a tantalum processing plant in the Coega IDZ
2. EIA, Waste Licence and Air Emission Licence for a waste incinerator at Deal Party, Gqeberha.

Water Use Applications

Completed Projects

1. Water Use Application for the proposed construction of a pipeline across a stream in Graaff-Reinet
2. Water Use Application for the upgrading of stormwater infrastructure that crosses a portion of the Klein Vis Rivier in Somerset East.
3. General Authorisation Application for clearing alien trees and establishment of a temporary mobile gasification plant outside Uitenhage
4. Water Use Application for the establishment of the Bloemendal Arterial and Link Road
5. Water Use Application for irrigating with treated effluent from a package plant at a staff village in Kwandwe
6. Water Use Application for the installation of litter booms in 3 rivers in Nelson Mandela Bay.

Current Projects

1. Water Use Application for disposal of treated effluent and/or irrigation at the proposed Island Vibes resort development in Colchester
2. Water Use Application for borehole abstraction for dust suppression at the Mn ore storage facility in Swartkops.

**Environmental Assessment
Practitioners Association
of South Africa**



Registration No. 2019/1336

Herewith certifies that

Belinda Joan Clark

is registered as an

Environmental Assessment Practitioner

***Registered 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).***

Effective: 01 March 2022

Expires: 28 February 2023

Chairperson

Registrar



University
of
Port Elizabeth



Universiteit
van
Port Elizabeth

This is to certify that, the requirements having been satisfied, the degree of

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Baccalaureus Scientiae

has been conferred upon

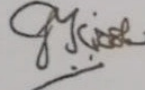
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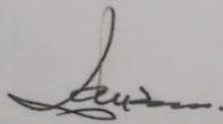
COMMUNITY SERVICE CENTRE
2018 -02- 02
CSC
SOUTH AFRICAN POLICE

I CERTIFY THAT THIS DOCUMENT IS A TRUE COPY OF THE ORIGINAL DOCUMENT WHICH WAS HANDLED BY ME FOR AUTHENTICATION. I FURTHER CERTIFY THAT, FROM MY OBSERVATIONS, AN AMENDMENT OR A CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

BELINDA JOAN CLARK

MAGSOMMER 71723595- RANG CJT
NAME IN PRINT DE RIDDER


Vice-Chancellor / Vis-Kanselier


Registrar / Registrateur

Port Elizabeth
19 April 1997



University
of
Port Elizabeth



Universiteit
van
Port Elizabeth

This is to certify that, the requirements having been satisfied, the degree of

Hiermee word verklaar dat, nadat aan die vereistes voldoen is, die graad

Baccalaureus Scientiae Honores

(Botany / Botanie)

has been conferred upon

SUID APRIKAANSE POLISIEDIENS
COMMUNITY SERVICE CENTRE
2018 -02- 02
CSC
SOUTH AFRICAN POLICE SERVICE

toegeken is aan

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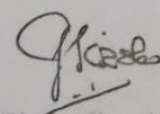
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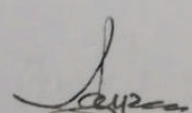
BELINDA JOAN CLARK

HANDTERENING/SIGNATURE

MAGSNOMMER 71723595 RANG CJT
FORCE NUMBER RANK

NAAM IN DRUKSKRIF DE RIDDER
NAME IN PRINT


Vice-Chancellor / Vise-Kanselier


Registrar / Registrateur

Port Elizabeth

18 April 1998



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of
Port Elizabeth



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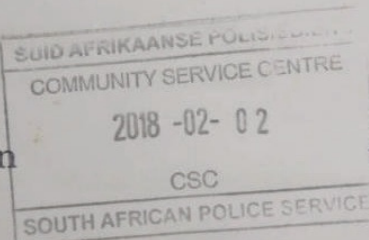
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Magister Scientiae
(Botany / Botanie)

has been conferred upon

toegeken is aan



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BELINDA JOAN CLARK

.....
HANDWRITTEN SIGNATURE

MAGSNOOMMER / FORCE NUMBER: 71723595 RANG / RANK: Cjt

NAAM IN DRUKSKRIF / NAME IN PRINT: DE RIDDER

Vice-Chancellor / Vise-Kanselier

Registrar / Registrateur



Port Elizabeth
21 April 2001

NELSON MANDELA UNIVERSITY

This is to certify that, all the requirements
having been met, the degree

Doctor of Philosophy

Botany

with all the associated rights and privileges,
was conferred upon

Belinda Joan Clark
Identity no.: 7507170038084

at a congregation of the Nelson Mandela University on
15 April 2005

Certificate no.: 520198

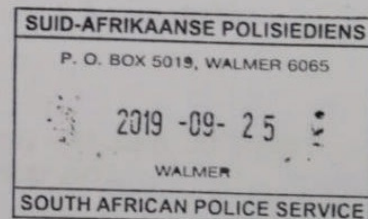
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VICE-CHANCELLOR'S SIGNATURE

NAME IN PRINT

NAME IN PRINT



Vice-Chancellor

Registrar



This is a duplicate qualification certificate. The original certificate was either lost or damaged.

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