# Profile Summary

Nonkanyiso Zungu is a Professional Natural Scientist (Pr.Sci.Nat) with 10 years’ experience in the environmental field. She has a Masters Degree in Environmental Management, and specializes on Water Resource Management.

Nonkanyiso has extensive experience in water resource management, waste management, and obtaining environmental authorisations (air, water, waste) across sectors that include: power generation, infrastructure (Construction), transportation (rail), waste disposal, water purification & sewage works. The projects she has undertaken include: Environmental Impact Assessments, Basic Assessments, Environmental Feasibility Studies, Environmental scoping studies, Environmental legal compliance audits, Waste management licences, Water use licences, and Baseline risk assessments.

Nonkanyiso Zungu is a Health & Safety and Environmental (SHE) auditor and is knowledgeable on internal integrated SHEQ auditing. She has experience on development and implementation of ISO 14001: 2004 management system and undertaking internal audits.

Nonkanyiso is also a wetland specialist with experience in wetland delineation, determination of present ecological status, ecological importance and sensitivity evaluations, and wetland rehabilitation planning using packages that include Wet-Health, Wet-EcoServices, and Wet-RehabEvaluate.

# Education

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| Institution | Year | Degree Obtained |
| University of Pretoria | 2011 | MSc. Environmental Management |
| University of KwaZulu-Natal | 2005 | BSc. Honours, Ecology |
| University of KwaZulu-Natal | 2003 | BSc. Biological Sciences |

# Professional Registrations

* South African Council for Natural Scientific Professions (SACNASP, Pr. Nat. Sci. (Practice no. 400194/10): Ecological Science
* Member of the Gauteng Wetland Task Group
* Member of WISA (Gauteng Region)

# Short Courses

* ISO 14001 IMPLEMENTATION AND INTERNAL AUDITING
* ISO 18001 IMPLEMENTATION AND INTERNAL AUDITING
* ISO 9001 IMPLEMENTATION AND INTERNAL AUDITING
* LEAD AUDITING (SAATCA)
* INCIDENT AND ACCIDENT INVESTIGATIONS
* QUALIFIED WETLAND ASSESSMENT PACTITIONER (WET-HEALTH; WET IHI, SPATSIM)
* ESRI GIS MAPPING, ARCMAP 10

# Key Skills

* ISO 14001: 2004 internal auditing
* Legal compliance auditing
* Wetland delineation and assessment
* Environmental Impact Assessment
* Basic Assessments
* Feasibility Studies (Fatal flaw analysis)

# Employment History

2014 – Current SAZI Environmental Consulting cc

2011 - 2014 Sebata Group of Companies

2009 - 2011 Department of Water Affairs

2007 - 2009 Wetland Consulting Services

2005 - 2006 University of KwaZulu-Natal (Maluti Transfontier Conservation Program)

2004 – 2005 University of KwaZulu-Natal (Welgevonden Elephant Program)

# Project Experience

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| **PROJCET NAME** | **YEAR** | **RESPONSIBILITY** | **CONTACT DETAILS** | **REFERENCE NUMBER** |
| **ENVIRONMENTAL IMPACT ASSESSMENT/ EMP/ BA PROJECTS** | | | | |
| Basic Assessment for the construction of the Rand Water 210ML reservoir future planned 200ML reservoir in Vlakfontein | 2015 | Environmental Impact Assessment Practitioner. | Company: Rand Water  Contact: Luzuko Kalimashe  Tel: 078 6590462 |  |
| Basic Assessment for the proposed construction of Rand Water 200ML reservoir in Brakpan. | 2015 | Environmental Assessment Practitioner | Company: Rand Water  Contact: Thokozani Masilela  Tel: 072 495 0097 |  |
| Basic Assessment:  Proposed construction of culvert upgrade works and sewer pipeline crossing through a watercourse, Eskom Holdings SOC Ltd. Ingula Pumped Storage Scheme | 2014 | * Environmental Assessment Practitioner * Project Management | Company: Eskom Ingula Pumped Storage Scheme  Contact: Marcel Meso  Tel: 036 342 3031 | Ref: 14/12/16/3/3/1/1019 |
| Waste Management Licence Application for the Eskom Witbank Clinker Ash Dump | 2013-2014 | * Environmental Assessment Practitioner | Company: Eskom SHE Management Division  Contact: Gabriel Ngorima  Tel: 076 9014006 |  |
| Eskom Academy of Learning Feasibility study for a Waste Treatment Plant | 2013 | * Project Management/EAP | Company: Eskom Real Estate Division  Contact: Chinga Gwiza  Tel: 083 7626030 |  |
| PKX Cableway Environmental Impact Assessment: Scoping study | 2013 | * Scoping report: environmental feasibility of the Cableway Development | Company: Arup  Contact: Shupikai Chihuri  Tel: 011 2187600 |  |
| Eskom Witbank Clinker Ash Dump Pre-feasibility Study | 2011 - 2012 | * Project Management * Review of environmental specialist technical reports * Consolidation of technical reports and presenting feasibility of the project to the client. | Company: Eskom SHE Management Division  Contact: Gabriel Ngorima  Tel: 076 9014006 |  |
| Environmental Impact Assessment for proposed coal mining activities: Mining Environmental Management Plan | 2012 | * Environmental Assessment Practitioner * Project Management | Company: Silver Unicorn Trading  Contact: Bonginkosi Curnick Njeke  Tel: 082 464 6489 |  |
| **WETLAND ASSESSMENTS** | | | | |
| City Of Johannesburg Wetland Rehabilitation Plan For The Braamfonteinspruit, Kyalami, And Natalspruit Management Units:  Draft Report | 2015-In Progress | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Headwaters water and environmental consultant  Contact Person: Lekau Hlabolwa  Tel: 079 703 8487 |  |
| Blesboklaagte wetland delineation and assessment for the proposed Eyethu Coal mining activities, Middleburg, Mpumalanga | 2015 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Geovicon Environmental (Pty) Ltd  Contact: Riana  Tel: 082 4981847 |  |
| Watercourse Assessment Report For The Proposed Construction of a 15km 50kV Power Line From Eskom Helios Substation To The Proposed New Transnet Helios Traction Feeder Substation | 2015 | * Watercourse assessment | Company: Nsovo Environmental consulting  Contact Person: Munyadziwa Rikhotso  Tel: 071602 2369 |  |
| Nietgedacht Wetland Delineation And Assessment Report | 2015 | * Wetland Assessment * PES and EIS Description * Wetland Classification | Company: Phuka Tsa Nong  Contact Person: Kele  Tel: 0834785753 |  |
| Wetland Delineation And Assessment Report For The Proposed Development Of An Eskom Straatdrift Madikwe 22 Kv Powerline | 2015 | * Wetland Assessment * PES and EIS Description * Wetland Classification | Company: Baagi Environmental Consulting  Contact person: Marita Oosthuizen  Tel: 082 378 4903 |  |
| Wetland Assessment Report For The Bredell Wetland In Kempton Park, Gauteng Province | 2015 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Watercube Services: Molefe Morokane  Contact Person:  Tel: 076 806 4293 |  |
| Wetland Delineation And Assessment Report For The Proposed Development Of A Retirement Center And Bridge Construction Activities In Montana Tuine Ext 49 & 50 In Pretoria | 2015 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Central Development  Contact Person: Pierre Reyneke  Email: pierrer@centraldev.co.za |  |
| Transhex Operations (Pty) Ltd wetland delineation and assessment report for the proposed diamond mining operations between Baken and Reuning, Northern Cape Province | 2015 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Envirobro  Contact Person: Nndangi Musekene  Tel: 072 748 0292 |  |
| Wetland delineation and assessment for Eyethu Coal mining activities, Middleburg, Mpumalanga | 2015 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Geovicon Environmental (Pty) Ltd  Contact: Tshepo Shakwane  Tel: 082 4981847 |  |
| Wetland Delineation and Assessment Report for the Proposed Eskom 400kv Transmission Line From Ariadne to Venus Substations in Kwazulu-Natal Province. | 2014 | * Wetland Assessment * PES and EIS description * Wetland classification * Water Use licence Application | Company: DIGES  Contact Person: Brenda Makanza  Tel: 082 075 6685 |  |
| Randwater M11 pipeline wetland delineation and assessment, Gauteng Province | 2014 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Asande Projects  Contact Person: Grace Magaya  Tel: 081 494 1611 |  |
| Wetland delineation and assessment for the proposed Dithakwaneng bridge construction, North-West Province | 2014 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Southern Hills Engineering (Pty) Ltd  Contact Person: Johnson Matangi  Tel: 084 663 8199 |  |
| Ongezien Wetland assessment, Witbank Mpumalanga Province | 2013 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Silver Unicorn Trading  Contact Person: Bonginkosi Njeke  Tel: on request |  |
| Leeuwfontein wetland assessment | 2013 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Geovicon Environmental (Pty) Ltd  Contact: Tshepo Shakwane  Tel: 082 4981847 |  |
| Platreef-Borutho wetland assessment, Limpopo Province | 2013 | * Wetland Assessment * PES and EIS description * Wetland classification | Company: Nzumbululo Heritage Solutions  Contact Person: Nonhlanhla Ncube  Tel: on request |  |
| Duvha-Minerva Transmission line wetland assessment and WULA | 2013 | Wetland assessment and water use licence application | Company: Nzumbululo Heritage Solutions  Contact Person: Nonhlanhla Ncube  Tel: on request |  |
| Rockdale-Marble hall transmission line wetland assessment and WULA | 2013 | Wetland assessment and water use licence application | Company: Nzumbululo Heritage Solutions  Contact Person: Nonhlanhla Ncube  Tel: 015 291 3661 |  |
| * Protea Glen wetland function assessment study. | 2011 | * Wetland assessment * PES and EIS description * Wetland classification | Company: Wetland Consulting Services  Contact Person: Bhuti Dlamini  Tel: on request |  |
| Randwater Pipeline wetland assessment | 2011 | * Wetland assessment * PES and EIS description * Wetland classification | Company: Asande Projects  Contact Person: Joshua Oluokun  Tel: 073 4068051 |  |
| **ECOLOGICAL ASSESSMENTS (FAUNA AND FLORA)** | | | |  |
| Ecological Assessment Report For The Proposed Tweedracht 5.5km 88 Kv Power Line Development | 2015 | Flora and Fauna Assessments | Company: Nsovo environmental consultin  Contact person: Munyadziwa Rikhotso  Tel: 071602 2369 |  |
| Ecological Assessment Report For The Construction Of An Additional 200ml Rand Water Reservoir In Meredale | 2015 | Flora and Fauna Assessments | Company: Asande projects  Contact person: Avhutetshelwi Mashau  Tel: 011 315 6794 |  |
| Ecological Assessment Report For The Proposed Rand Water Additional 200ml Reservoir In Brakpan, East Rand, Gauteng Province | 2015 | Flora and Fauna Assessments | Company: Rand Water  Contact Person: Thokozani Masilela  Tel: 011 724 9140 |  |
| Ecological Assessment Report For The The Proposed Replacement Of Both The Existing A6 And A8 Pipelines With Two New Pipes (One Pipe At A Time) Running From Vereeniging Pumping Station To Zwartlopjes Pump Station With A Length Of 44 Km And A Diameter Of 1300 | 2015 | Flora and Fauna Assessments | Company: Asande projects  Contact person: Rolivhuwa Nemakonde  Tel: 011 315 6794 |  |
| Ecological Assessment Report For The Construction Of The Rand Water Additional 210ml And Future Planned 200ml Reservoir On Vlakfontein Farm 69ir, Crystal Park, Ekurhuleni Metropolitan Municipality | 2015 | Flora and Fauna Assessment | Comapany: Rand Water  Contact Person: Luzuko Kalimashe  Tel: 083 4250 455 |  |
| Ecological Assessment For The Construction And Maintenance Of The Rand Water 17, 5km H43 Pipeline With An Internal Diameter Of 1200mm, And It’s Associated Structure (Valve Chambers And Cathodic Protection) Between Graham Street, Centurion And Lyttelton, Gauteng Province | 2015 | Flora and Fauna Assessment | Company: Asande projects  Contact person: Faith Chigwanhire  Tel: 011 315 6794 |  |
| Randwater Brakpan Reservoir to Selcourt Reservoir M 11 Pipeline Fauna And Flora Assessment | 2014 | Flora and Fauna Assessments | Company: Asande Projects  Contact Person: Freddy Milambo  Tel: 074 181 8292 |  |
| **COMPLIANCE AUDITS** | | | |  |
| Universal Coal and Energy (Pty) Ltd: Kangala Coal Mine External Water Use Licence Audit | June 2015 | Lead auditor | Company: Universal Coal and Energy (Pty) Ltd: Kangala Coal Mine  Contact person: Lekau Hlabolwa  Tel: 079 7038487 | 04/B20A/ABCGIJ/1506 |
| THABA CRONIMET ANNUAL INTEGRATED WATER USE LICENCE AUDIT | June 2015 | Lead Auditor | Company: Thaba Cronimet (Pty)Ltd  Contact person: Lekau Hlabolwa  Tel: 079 7038487 | 03/A24F/ACGIJ |
| GLENCORE WONDERKOP SMELTER EXTERNAL WASTE MANAGEMENT LICENCE AUDIT | May 2015 | Lead auditor | Company: Glencore  Contact person: Bertha Mohapi  Tel: 014 572 0393 | No. 12/9/11/L510/7 |
| THABA CRONIMET ANNUAL INTEGRATED WATER USE LICENCE AUDIT | August 2014 | Lead Auditor | Company: Thaba Cronimet (Pty)Ltd  Contact person: Lekau Hlabolwa  Tel: 079 7038487 | 03/A24F/ACGIJ |
| Eskom Tutuka Power Station ISO14001:2004 Internal Audit | December 2014 | Lead auditor | Company: Envirobro  Contact person: Nndangi Musekene  Tel: 072 748 0292 |  |
| Sebata Group ISO 14001: 2004 development and implementation | 2013-2014 | ISO 14001:2004 Implementation and internal auditing | SEBATA General manager: SHE  Mr McDonald Mutsvangwa  Contact: 0100600355 |  |
| Kusile water use licence quarterly audits | 2013 – 2014 (quarterly for 12 months) | Lead auditor/wetland specialist | Company: Kusile Power station  Contact person: Siphiwe Mahlangu  Tel: 013 699 7097 | No.: 04/B20F/CI/2235 |
| Transnet incident management | 2013 | Accident and Incident Management | Company Name: Isivuvu Technical Solutions  Contact Person: Nhlanhla Maphalala  Tel: 073 417 0438 |  |
| ZUFI Engineering safety systems audit | 2013 | OHSA 18001 audit | Company Name: ZUFI Engineering  Contact Person: Sikholiwe Zungu  Tel: 084 475 0509 |  |
| **WATER USE LICENCE APPLICATIONS** | | | |  |
| Construction of an Additional Rand Water 210ml Reservoir On Vlakfontein 69ir Farm In Crystal Park, Ekurhuleni Metropolitan Municipality, Gauteng Province | 2015 – in progress | EAP and project manager | Company: Rand Water  Contact Person: Thokozani Masilela  Tel: 0720495 0097 | 14/12/16/3/3/1/1431 |
| Construction of a Rand Water 200ml Reservoir In Brakpan, Ekurhuleni Metropolitan Municipality, Gauteng Province | 2015 – in progress | EAP and project manager | Company: Rand Water  Contact Person: Thokozani Masilela  Tel: 0720495 0097 | 14/12/16/3/3/1/1423 |
| Proposed Eskom 400kv Transmission Line From Ariadne to Venus Substations in Kwazulu-Natal Province: Water Use Licence Application | 2014 – 2015 | EAP and project manager | Company: DIGES  Contact Person: Brenda Makanza  Tel: 082 075 6685 | 12/12/20/1755 |
| Duvha-Minerva 400kv Powerline deviation water use licence application | 2013 | EAP and project management | Company: Eskom Transmission  Contact: Vuledzani Thanyane  Tel: 011 800 5601  Ref: 16/2/7/B100/C983 | 16/2/7/B100/C983 |
| Water Use Licence for the construction of the Rockdale to Wolwekraal 400kv powerline and associated secondary infrastructure, Mpumalanga and Limpopo Provinces | 2013 | EAP and project management | Company: Eskom Transmission  Contact: Vuledzani Thanyane  Tel: 011 800 5601  Ref: 16/2/7/B300/B03 | 12/12/20/1340 |