

Appendices

Appendix A: Curricula Vitae and qualifications of the EAP

Ashleigh Maritz

Principal Scientist



Profession	Environmental Science and Management
Education	MSc, Biochemistry (<i>Cum Laude</i>), University of Johannesburg, 2007 BSc (Hons), Biochemistry (<i>Cum Laude</i>), University of Johannesburg, 2005 BSc, Chemistry and Biochemistry, University of Johannesburg, 2004 NQF Level 5, Outcomes based Assessor, ETDP-SETA, 2019
Registrations/ Affiliations	Pr.Sci.Nat, SACNASP, 400331/11 Member, EAPASA, 2020/547 Member, IAIAAs, 6480 Member, NACA
Awards	None

Specialisation Environmental project management; environmental and social impact assessments, due diligence reviews, strategic environmental planning, climate change resilience and adaptation, sustainability reporting, environmental construction management.

Expertise Ashleigh has 13 years' experience in the mining, agricultural, water, climate change, energy and infrastructure sectors specialising in environmental impact assessment and management, environmental and social safeguards, due diligence and environmental review. Her core expertise lies in project management of environmental and social impact assessments (within South African and Africa), auditing and due diligence/technical reviews. Ashleigh also has a keen interest in Climate Change and is focussed on developing her expertise in the mitigation and adaptation spheres of this field. Recently, Ashleigh has been involved in mega infrastructure and energy projects and her experience also spans into the mining and governmental sectors in South Africa, Zimbabwe, Malawi, Namibia, Democratic Republic of Congo, Botswana and Zambia.
Ashleigh has worked extensively in the Engineering, Procurement, Management and Construction (EPCM) environment and therefore has a thorough understanding of the project life cycle (from concept, pre-feasibility, feasibility and through to implementation) as well as how to provide an interface role between the technical engineering teams and environmental advisors on projects.

Employment

October 2021-present	SRK Consulting, Principal Environmental Scientist, Illovo, Johannesburg
2018 – present	SRK Consulting, Senior Environmental Scientist, Illovo, Johannesburg
2011 – 2018	Hatch Africa (Pty) Ltd, Senior Environmental Advisor, Johannesburg

Publications Various environmental and social publications and journal articles pertaining to climate change, environmental legislation, social transitioning to mine closure and other publications related to her Masters Dissertation.

Languages English – read, write, speak (excellent)
Afrikaans – read, write, speak (good)

Ashleigh Maritz

Principal Scientist

Key Experience: Environmental permitting

Location: Ndola, Zambia
 Project duration & year: Current
 Client: Mopani Mine
 Name of Project: Mopani Consolidation and EIS Update
 Project Description: Environmental Impact Statement and Consolidation for the Nkana and Mufulira Mopani Copper mines.
 Job Title and Duties: Project Manager responsible for team coordination and report compilation
 Value of Project: R 1.5 million in fees

Location: Limpopo Province, South Africa
 Project duration & year: Current
 Client: Anglo American Platinum – Mogalakwena Mine
 Name of Project: Mogalakwena Mine DAF Plants Environmental Impact Assessment
 Project Description: EIA process for the proposed Dissolved Air Floatation Plants Project at Mogalakwena Mine.
 Job Title and Duties: Project Manager responsible for team coordination and report compilation
 Value of Project: R 800 000 in fees

Location: Limpopo Province, South Africa
 Project duration & year: Current
 Client: Anglo American Platinum – Mogalakwena Mine
 Name of Project: Integrated Basic Assessment Project at Mogalakwena Mine
 Project Description: An Integrated Basic Assessment process for several proposed projects at Mogalakwena Mine including projects requiring various environmental authorisations such as Regulation 29 Part 1, Regulation 31 and basic assessment processes.
 Job Title and Duties: Project Manager responsible for internal team and specialist's coordination and report compilation
 Value of Project: R 1.7 million in fees

Location: Limpopo Province, South Africa
 Project duration & year: 2018 – 2020
 Client: Anglo American Platinum – Mogalakwena Mine
 Name of Project: Mogalakwena Mine Expansion Project
 Project Description: Environmental assessment process for the proposed Expansion Project at Mogalakwena Mine. The project includes a full Scoping/EIA process together with an extensive public participation exercise, Water Use Licence Applications and Regulation 29 Part 1 amendments for new technologies proposed at the Mogalakwena Mine
 Job Title and Duties: Environmental Coordinator
 Value of Project: R 5 million in environmental fees

Location: KZN, South Africa
 Project duration & year: Two years, 2017-2018
 Client: The KwaZulu-Natal Department of Transport
 Name of Project: Basic Assessment for Borrow Pit Applications within the iLembe District Municipality on Ingonyama Trust Land
 Project Description: Basic Assessments for the permitting of
 Job Title and Duties: Environmental Advisor and project manager of the Basic Assessment Process
 Value of Project: R250 000

Ashleigh Maritz

Principal Scientist

Key Experience: Environmental permitting

Location: Jericho Dam, Amsterdam, Mpumalanga Province, South Africa
 Project duration & year: One year, 2017-2018
 Client: Department of Water and Sanitation
 Name of Project: Jericho Dam Pump Station Refurbishment
 Project Description: Environmental permitting for the construction of a new pump station to replace the existing pump station at the Jericho Dam which is a National Key Point.
 Job Title and Duties: Environmental Advisor and project manager responsible for conducting the Basic Assessment Process.
 Value of Project: R 216 000 in environmental fees

Location: Western Cape, South Africa
 Project duration & year: Two years, 2017-2018
 Client: Western Cape Government Roads
 Name of Project: Basic Assessment for the flood damage repairs to structures on the MR309 in Seweweekspoort Pass, Western Cape
 Project Description: Basic Assessment and Water Use Licence process for the upgrade and repair of 30 storm water management structures along the MR309 road within the Seweweekspoort in the Western Cape.
 Job Title and Duties: Environmental Advisor and project manager of the Basic Assessment Process
 Value of Project: R250 000

Location: Welkom and Virginia, Free State Province, South Africa
 Project duration & year: Two years, 2016-2018
 Client: Matjhabeng Local Municipality
 Name of Project: Wastewater Treatment Works upgrades to the Virginia, Nyakallong and Theronia Works.
 Project Description: Environmental authorisation processes and three Water Use Licence Applications for required upgrades and repairs to the Virginia, Nyakallong and Theronia Wastewater Treatment Works.
 Job Title and Duties: Environmental Advisor and project manager responsible for conducting the permitting processes.
 Value of Project: R 2.5 million in environmental fees

Location: Eastern Cape, South Africa
 Project duration & year: Eight months, 2016
 Client: Amathole District Municipality
 Name of Project: Xora Rural Water Supply Scheme
 Project Description: The environmental scope included the compilation and submission of several General Authorisations in terms of the National Water Act of South Africa for stream crossings required by the project.
 Job Title and Duties: Environmental Assessment Practitioner and Project Manager
 Value of Project: R 250 000

Location: Limpopo, South Africa
 Project duration & year: Two months, 2011
 Client: De Beers
 Name of Project: Venetia
 Project Description: Undertaking of the necessary environmental authorizations for the amendment to the existing EMP in accordance with the MPRDA and NEMA
 Job Title and Duties: Environmental Scientist assisting with the compilation of the Scoping and EIA reports.
 Value of Project: R 1 million

Ashleigh Maritz

Principal Scientist

Key Experience: Environmental permitting

Project duration & year:	Six months, 2011
Client:	Anglo American Inyosi Coal
Name of Project:	Kriel Colliery EMPR Amendment for Block F
Project Description:	Environmental Impact Assessment and Environmental Management Programme for the proposed mining activities to take place within Block F on Kriel Colliery in Mpumalanga.
Job Title and Duties:	Environmental Scientist responsible for the coordination of the public participation component of the EIA/EMP; coordination of specialists; discussions with stakeholders and authorities; Compilation of the NEMA and NEMWA application forms; Compilation of the scoping and EIA/EMP report according to the MPRDA and NEMA requirements.
Value of Project:	R 1 million
Location:	Mpumalanga, South Africa
Project duration & year:	Six months, 2011
Client:	Anglo American Inyosi Coal
Name of Project:	Kriel Colliery EMPR Amendment for the Open Cast Operations
Project Description:	Environmental Impact Assessment and Environmental Management Programme for the proposed Open Cast mining activities to take place on Kriel Colliery in Mpumalanga.
Job Title and Duties:	Environmental Scientist Responsible for the coordination of the public participation component of the EIA/EMP; coordination of specialists; discussions with stakeholders and authorities; Compilation of the NEMA and NEMWA application forms; Compilation of the scoping and EIA/EMP report according to the MPRDA and NEMA requirements.
Value of Project:	R 1 million
Location:	Mpumalanga, South Africa
Project duration & year:	Six months, 2011
Client:	Anglo Coal
Name of Project:	Kleinkopje EMPR Alignments
Project Description:	Alignment of the existing approved EMPR documents according to a mine-specific directive sent to the Colliery by Mpumalanga DMR.
Job Title and Duties:	Environmental Scientist responsible for proposal preparation, client liaison, compilation of the Consolidation report.
Value of Project:	R 100 000
Location:	Mpumalanga, South Africa
Project duration & year:	1 year, 2009-2010
Client:	Anglo Inyosi Coal
Name of Project:	Kriel Colliery EMPR Amendment
Project Description:	Consolidation of existing approved EMPRs and additional EMPR amendments.
Job Title and Duties:	Environmental Scientist assisting with project Coordination. Assistance with the compilation of the consolidated document
Value of Project:	R 150 000

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Key Experience: Environmental permitting

Location: Limpopo, South Africa
 Project duration & year: 1 year, 2009-2010
 Client: Messina Platinum Mines Limited
 Name of Project: Baobab Mining Operation
 Project Description: Environmental Impact Assessment and Environmental Management Programme for the proposed mining activities to take place on Baobab mine near Lebowakgomo in Limpopo
 Job Title and Duties: Responsible for the coordination of the public participation component of the EIA/EMP; coordination of specialists; discussions with stakeholders and authorities; compilation of the scoping and EIA/EMP report according to the MPRDA and NEMA requirements.
 Value of Project: R 1.5 million

Location: Limpopo, South Africa
 Project duration & year: 1 year, 2009-2010
 Client: Messina Platinum Mines Limited
 Name of Project: Doornvlei Mining Operation
 Project Description: Environmental Impact Assessment and Environmental Management Programme for the proposed mining activities to take place on Doornvlei mine near Lebowakgomo in Limpopo
 Job Title and Duties: Responsible for the coordination of the public participation component of the EIA/EMP; coordination of specialists; discussions with stakeholders and authorities; compilation of the scoping and EIA/EMP report according to the MPRDA and NEMA requirements.
 Value of Project: R 1.5 million

Location: Mpumalanga, South Africa
 Project duration & year: Three months, 2009
 Client: BHP Billiton Energy Coal South Africa
 Name of Project: Klipspruit
 Project Description: Consolidation of the three existing EMPs for the Klipspruit Colliery into a single document as per the directive issued by the DMR.
 Job Title and Duties: Environmental Scientist
 Value of Project: R 200 000

Location: Mpumalanga, South Africa
 Project duration & year: Four months, 2009
 Client: Samancor Chrome
 Name of Project: Samancor Chrome energy recovery project, Witbank, Middelburg and Steelpoort
 Project Description: Preparation of three separate Environmental Impact Assessments for the installation of two new furnaces at Ferrochromes in Witbank, Middelburg Ferrochrome and at Tubatse Ferrochrome.
 Job Title and Duties: Environmental Scientist assisting the environmental project manager
 Value of Project: R 200 000

Ashleigh Maritz

Principal Scientist

Key Experience: Environmental permitting

Location: Limpopo, South Africa
 Project duration & year: Five months, 2008
 Client: Messina Platinum Mines Limited
 Name of Project: Dwaalkop Mining Operation
 Project Description: Environmental Impact Assessment and Environmental Management Programme for the proposed mining activities to take place on Dwaalkop mine near Lebowakgomo in Limpopo
 Job Title and Duties: Responsible for the coordination of the public participation component of the EIA/EMP; coordination of specialists; discussions with stakeholders and authorities; compilation of the EIA/EMP report according to the MPRDA requirements.
 Value of Project: R 900 000

Location: DRC
 Project duration & year: Eight months, 2008
 Client: International Barytex Resources
 Name of Project: Shituru Copper Project Environmental and Social Impact Assessment
 Project Description: Compilation of the Environmental and Social Impacts Assessment and the Environmental and Social Management Plan for Shituru Copper mine in the DRC.
 Job Title and Duties: Environmental Scientist: responsible for client liaison, reporting to the project team in Canada, coordination of specialist studies and reports, compilation of the ESIA, ESMP and Annex IV Report (according to the DRC regulations)
 Value of Project: R 2 million

Location: Mpumalanga, South Africa
 Project duration & year: Six months, 2008
 Client: Petroline Holdings (Pty) Ltd
 Name of Project: Petroline Petroleum Pipeline Project
 Project Description: Environmental Impact Assessment of the South African component to construct and operate a petroleum pipeline between Matola in Mozambique and Kendal in Mpumalanga, South Africa
 Job Title and Duties: Environmental Scientist: assisted with the report compilation for the Pipeline EIA/EMP report
 Value of Project: R 2 million

Project duration & year: Eight months, 2008
 Client: Sasol Oil (Pty) Ltd
 Name of Project: Sasol Alrode Basic Assessment
 Project Description: Basic Assessment for the installation of a new Keropur storage tank at the Sasol Alrode Depot.
 Job Title and Duties: Project coordinator responsible for data collection, public participation (including liaison with the relevant authorities), client liaison and the basic assessment report compilation

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Principal Scientist

Key Experience: Environmental auditing

Location: Gauteng Province, South Africa
 Project duration & year: 2021
 Client: Lesaffre
 Name of Project: Phase 1 Environmental Audit conducted for an industrial property located in the Germiston area of Johannesburg
 Project Description: Project manager
 Job Title and Duties: Project manager and auditor
 Value of Project: R66 000

Location: North West Province, South Africa
 Project duration & year: 2020
 Client: Anglo American Platinum - Rustenburg Platinum Mine Retained Operations
 Name of Project: Environmental Audit and Performance Assessment for the RPM Retained Operations
 Project Description: Audit of the consolidated Environmental Management Programme Report for submission to the authorities
 Job Title and Duties: Project Manager responsible for team coordination and report compilation
 Value of Project: R 70 000 in fees

Location: Gauteng, South Africa
 Project duration & year: 2020
 Client: Nampak
 Name of Project: Phase 1 Environmental Audit conducted for an industrial property located in the Germiston area of Johannesburg
 Project Description: Project manager
 Value of Project: R 50 000
 Job Title and Duties: Project manager and auditor

Location: Gauteng, South Africa
 Project duration & year: 2019
 Client: Blend Property Group
 Name of Project: Phase 1 Environmental Audit conducted for an industrial property located in the Germiston area of Johannesburg
 Project Description: Project manager
 Value of Project: R 27 000
 Job Title and Duties: Project manager and auditor

Location: Gauteng, South Africa
 Project duration & year: 1 month, 2018
 Client: Shaw Almex
 Name of Project: Phase 1 Environmental Audit
 Project Description: Phase 1 Environmental Audit conducted for an industrial property located in the Lea Glen area of Johannesburg
 Job Title and Duties: Project manager
 Value of Project: R 26 000

Project duration & year: 1 month, 2018
 Client: Valbruna Steel
 Name of Project: Phase 1 Environmental Audit
 Project Description: Phase 1 Environmental Audit conducted for an industrial property located in the Modderfontein area of Johannesburg
 Job Title and Duties: Project manager
 Value of Project: R 17 000

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Principal Scientist

Key Experience: Environmental due diligence/competent persons reporting

Location:	North-west province South Africa, Canada and Zimbabwe, South Africa
Project duration & year:	Current
Client:	Confidential
Name of Project:	SSW Competent Persons Reporting of various platinum and gold assets situated in South Africa, Zimbabwe and Canada
Project Description:	Technical advisory services, including environmental advisory. Due to the confidential nature of the work, the details cannot be disclosed.
Job Title and Duties:	Environmental Specialist/advisor responsible for the environmental compliance review and inputs to the Competent Persons Report for each asset
Value of Project:	Confidential
Location:	Mpumalanga, South Africa
Project duration & year:	2019-2021
Client:	Confidential
Name of Project:	Project Armstrong Competent Persons Reporting of various coal assets situated in Mpumalanga Province
Project Description:	Technical advisory services, including environmental advisory. Due to the confidential nature of the work, the details cannot be disclosed.
Job Title and Duties:	Environmental Specialist/advisor responsible for the environmental compliance review and inputs to the Competent Persons Report for each asset
Value of Project:	Confidential
Location:	Mpumalanga and Limpopo, South Africa
Project duration & year:	2018-2019
Client:	Confidential
Name of Project:	Environmental and Social Competent Persons review
Project Description:	Review of environmental and social issues, risks and liabilities associated with one platinum asset and two gold assets for a stock exchange.
Job Title and Duties:	Environmental reviewer responsible for the environmental compliance review and inputs to the Competent Persons Report
Value of Project:	Confidential
Location:	Mpumalanga, South Africa
Project duration & year:	Six weeks, 2018
Client:	Goldman Sachs
Name of Project:	Goldman Sachs Due Diligence three coal assets in Mpumalanga Province
Project Description:	Technical advisory services, including environmental advisory. Due to the confidential nature of the work, the details cannot be disclosed.
Job Title and Duties:	Environmental Advisor responsible for the environmental compliance review, closure cost review and input to the due diligence report
Value of Project:	Confidential
Project duration & year:	Six weeks, 2018
Client:	Industrial Development Corporation
Name of Project:	Due Diligence of a Phosphate mine and plant.
Project Description:	Technical advisory services, including environmental advisory. Due to the confidential nature of the work, the details cannot be disclosed.
Job Title and Duties:	Environmental Advisor responsible for the environmental compliance review, closure cost review and inputs to the due diligence report
Value of Project:	Confidential
Location:	Mpumalanga, South Africa

Ashleigh Maritz

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Project duration & year: Six weeks, 2017
Client: Standard Bank
Name of Project: Project Libra Due Diligence of three coal mines situated in Mpumalanga Province
Project Description: Technical advisory services, including environmental advisory. Due to the confidential nature of the work, the details cannot be disclosed.
Job Title and Duties: Environmental Advisor responsible for the environmental compliance review, closure cost review and input to the due diligence report
Value of Project: Confidential

Ashleigh Maritz

Principal Scientist

Key Experience: Strategic environmental reporting and Advisory

Location: Tanzania
 Project duration & year: Current
 Client: OreCorp
 Name of Project: Decarbonisation options analysis for a Gold Mine in Tanzania
 Project Description: Presentation of various technical decarbonisation options feasible to implement as part of the gold mining and processing life cycle in order to assist OreCorp in reducing their proposed carbon footprint in support of the Feasibility Study.
 Job Title and Duties: Project specialist
 Value of Project: R150 000

Location: Zambia
 Project duration & year: 2021
 Client: CEC Energy
 Name of Project: Sustainability Reporting and Environmental and Social Safeguards Training
 Project Description: Provision of training on the Global Reporting Initiative, Task Force for Climate Disclosure TFCD, and Climate Disclosure Project reporting to the CEC Executive and organisation team in order to assist CEC with preparing for sustainability reporting. Additional training was also provided on the Environmental and Social Safeguards in line with the World Bank requirements.
 Job Title and Duties: Trainer
 Value of Project: R 250 000

Location: DRC and South Africa
 Project duration & year: 2019 - current
 Client: Ivanhoe Mines Ltd
 Name of Project: Scoping and Implementation Support for Ivanhoe Group's Environmental System
 Project Description: To provide environmental system scoping and implementation support to the site-based environmental and technical teams at Platreef, Kamoakakula and Kipushi (otherwise known as 'the Group'). The objective of this project is to assist Ivanhoe with Group-wide standardisation and alignment of environmental reporting methodology and documents; in preparation for the implementation of the IsoMetrix 4 integrated risk management software
 Job Title and Duties: Project Manager responsible to team coordination, report compilation and client engagement
 Value of Project: R 600 000 in fees

Location: DRC and South Africa
 Project duration & year: 2018 and 2019
 Client: Ivanhoe Mines Ltd
 Name of Project: Environmental Management Gap Analysis Group Level 2019
 Project Description: Gap analysis assessment of the current environmental management and monitoring processes taking place at three of Ivanhoe's project sites. The overall aim of the exercise was to identify what environmental management gaps exist in each project in terms of environmental monitoring and management, water stewardship reporting and greenhouse gas emissions reporting. The findings of the gap analysis were used to make practical recommendations on how to effectively fill the identified gaps. In addition, environmental management and monitoring were compared between the three projects to determine where alignment was needed across the operations to prepare for full audit verification of the environmental data in Ivanhoe's 2020 sustainability report.

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Job Title and Duties: Project Manager responsible to team coordination, report compilation and client engagement
 Value of Project: R 400 000 in fees

Location: Uganda
 Project duration & year: 2019
 Client: United Nations Development Programme
 Name of Project: Uganda Department of Environmental Sector Support Services Strategic Plan
 Project Description: Uganda has enjoyed an exponential socio-economic transformation over the past two decades due to political stability and support from developing partners and the Ugandan people. Rapid economic growth has, however, had a negative impact on the environment to such an extent that environmental degradation has resulted in a recent decline of this economic growth. The environmental degradation and pollution can be attributed to inadequate environmental governance. While Uganda does have strong environmental institutions in place, as well as good policies, plans and environmental legislation, a lack of funding and resources (including staff) to implement these policies and laws has compromised environmental governance. Therefore, more comprehensive interventions with long-term objectives are required which will guide coordination of the efforts in the environmental sector. To assist in meeting this requirement, SRK and a local Ugandan partner were appointed by the United Nations Development Programme in 2018 to compile a strategic environmental plan for the Ugandan government to guide environment and natural resource management for the next ten years.

Job Title and Duties: Project Manager
 Value of Project: R 400 000 m in environmental fees

Location: SADC Member States
 Project duration & year: 2020
 Client: SADC-GMI
 Name of Project: Southern African Development Community – Lessons Learnt Project
 Project Description: The Southern African Development Community Groundwater Institute (SADC-GMI) has embarked on a process to capture lessons learned from the World Bank Funded “Sustainable Groundwater Management in SADC Member States project”, which is scheduled to end on the 31st of December 2020 and to develop a new regional groundwater programme. The objectives of the SADC-GMI Lessons Learned Project (LLP) are to firstly develop a background document on the emerging issues and lessons learned from implementation of the Sustainable Groundwater Management (SGM) in SADC Member States Project; and secondly, develop a ten-year (split into two five-year periods) bankable project proposal document for the implementation of a new SADC groundwater programme from 2021.
 Value of Project: R 1 500 000 in environmental fees

Location: Malawi, Lesotho, Mozambique, Tanzania, Zambia, Eswatini, Angola, DRC, Zimbabwe and South Africa
 Project duration & year: 2018 – ongoing
 Client: SADC-GMI
 Name of Project: SADC-GMI Environmental and Social Safeguard Support Project
 Project Description: Environmental and Social safeguards review of projects submitted by several SADC member states as part of the SADC Sustainable Groundwater Management Project.
 Job Title and Duties: Environmental Safeguards specialist
 Value of Project: R 2 million in environmental fees

Ashleigh Maritz

Principal Scientist

Key Experience

Environmental Management and Advisory

Location:	Polokwane, Limpopo Province, South Africa
Project duration & year:	2017 – 2018
Client:	Anglo American Platinum
Name of Project:	SO ₂ Abatement Plant at Polokwane Smelter
Project Description:	Management of an external environmental consultant of behalf of Hatch Africa and management of the Environmental Control Officer for the construction phase. The SO ₂ Abatement Plant was required for the Polokwane Smelter in order to assist the smelter in meeting the 2020 minimum emissions standards in terms of the National Air Quality Management Act.
Job Title and Duties:	Environmental Manager responsible for managing an external Environmental Assessment Practitioner, managing the ECO during construction, tender evaluation of contractor's and assistance to the Hatch engineering team during the feasibility and construction phases.
Value of Project:	R 2 million in environmental fees
Location:	Norway
Project duration & year:	6 months, 2018
Client:	Nordic Mining
Name of Project:	Engerbø Rutile and Garnet Project
Project Description:	Pre-feasibility and feasibility studies for the proposal rutile and garnet mine in Norway.
Job Title and Duties:	Environmental advisor responsible for compiling the environmental design criteria to inform the engineering design for the feasibility phase.
Value of Project:	R 280 000 in environmental fees
Project duration & year:	Three years, 2015-2018
Client:	Zimbabwe Power Company
Name of Project:	Hwange Transmission Work Expansion Project
Project Description:	The Project entails the proposed expansion of the generating capacity of the Hwange thermal power and Kariba hydropower stations to meet the country's energy demand. A network study undertaken by Hatch Africa (Project Owner's engineers) identified a number of transmission routes in the national grid that would require upgrading for greater capacity or the installation of new transmission lines. In addition to this, there will also be extensive substation work. The main components of the project included the Hwange-Insukamini (Bulawayo) new 400 kV transmission line, new Hwange sub-station and Insukamini sub-station upgrade; Insukamini-Marvel new 330 kV transmission line and Marvel sub-station upgrade and new Sherwood sub-station, near Kwekwe.
Job Title and Duties:	Environmental Advisor – management of the local environmental consultant and review of the Environmental and Social Impact Assessment process and reports to IFC/World Bank standards.
Value of Project:	Confidential
Location:	Gauteng Province, South Africa
Project duration & year:	Two years, 2016-2017
Client:	Gauteng Department of Economic Development
Name of Project:	Gauteng Industrialisation Project – Furniture Manufacturing Hub
Project Description:	Development of a business case to detail the development of a furniture manufacturing hub in the Roodepoort Industrial area of Johannesburg. The aim of the project was to determine what would be required in order to revitalise the furniture manufacturing industry in Gauteng.
Job Title and Duties:	Project Manager and study coordinator
Value of Project:	R225 000

Ashleigh Maritz

Principal Scientist

Location: Mpumalanga, South Africa
 Project duration & year: Two years, 2016-2017
 Client: Eskom
 Name of Project: Eskom Majuba Rail Project
 Project Description: Environmental compliance for the duration of the construction of the railway line. The contract included but was not limited to ensuring that contractors complied with all relevant health and safety and environmental legislation, EMP requirements, Eskom procedures and protocols and the project schedule. Responsibilities also included application for borrow pit closures, developing and implementing the water sampling requirements for the project, ongoing awareness training and reporting incidents.

Job Title and Duties: Environmental Manager responsible for managing the environmental control officer and contractors ECOs on site
 Value of Project: R 2 million

Project duration & year: Two years, 2015-2017
 Client: Eramet South Africa
 Name of Project: Mukulu Manganese Mine
 Project Description: Pre-feasibility and feasibility study for the development of a proposed manganese mine, associated rail siding and relocation of Eskom transmission lines near Hotazel in the Northern Cape. The exact details cannot be disclosed due to the project being confidential in nature. The project involved extensive stakeholder engagement, a rail route options analysis (including environmental sensitivity analysis of the various scenarios) as a component of several environmental authorisation processes which were conducted

Job Title and Duties: Environmental Advisor responsible for managing the Environmental Assessment Practitioner (GCS) and providing an interface role between the EAP and the engineering team
 Value of Project: R1.3 million

Location: Northern Cape, South Africa
 Project duration & year: One year, 2014-2015
 Client: Assmang
 Name of Project: King TFR Mainline Deviation Project
 Project Description: Review, auditing and signoff of external contractor's audits and management of the Environmental Officer on site for the rail deviation.

Job Title and Duties: Environmental Manager responsible for managing the environmental control officer and contractors ECOs on site
 Value of Project: R 250 000

Location: Eastern Cape, South Africa
 Project duration & year: Six months, 2015
 Client: Municipal Infrastructure Support Agent
 Name of Project: Nxuba waste management project
 Project Description: The environmental scope included reviewing and updating the Nxuba Municipality's Integrated Waste Management Plan (IWMP), developing a Status Quo report for the Bedford and Adelaide Waste management sites and compiling a 10-year waste master plan for the Nxuba Municipality.

Job Title and Duties: Environmental Advisor responsible for the IWMP update
 Value of Project: R 200 000

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Location: Mpumalanga, South Africa
 Project duration & year: Six months, 2013
 Client: Eskom Holdings SOC Limited
 Name of Project: Kendal Power Station Integrated Access Control Project
 Project Description: The project involved the design of an integrated access control system at the main gate of Kendal Power Station. The environmental tasks were limited to the Concept phase of the project and included Environmental sensitivity screening, a preliminary environmental risk assessment as well as a preliminary permitting strategy and Environmental Design Criteria.

Job Title and Duties: Environmental Advisor
 Value of Project: R 100 000

Project duration & year: Two years, 2011-2013
 Client: Transnet
 Name of Project: 16Mtpa Manganese Line expansion project
 Project Description: Assistance with management of the Environmental Assessment Practitioners conducting the Authorisation Processes for the Rail upgrade, construction of the compilation yard and the development of a manganese export facility within the Coega IDZ. Also carried out the permitting process for numerous borrow pits required along the line in both the Northern Cape and Eastern Cape.

Job Title and Duties: Environmental Advisor and project coordinator
 Value of Project: R1.3 million

Location: South Africa and Mozambique
 Project duration & year: Six months, 2012
 Client: Industrial Development Corporation
 Name of Project: Masorini Advanced Work for Feasibility
 Project Description: Project involved environmental input at three locations - two locations being South African based and the other based in Mozambique for the Advanced Work for Feasibility Phase (equated to a phase between Concept and Pre-feasibility). The exact details cannot be disclosed due to the project being confidential in nature.

Job Title and Duties: Environmental Advisor
 Value of Project: R 300 000

Location: Inhambane, Mozambique
 Project duration & year: Two years, 2011-2012
 Client: Rio Tinto Iron and Titanium
 Name of Project: Mutamba
 Project Description: This project entails environmental input for three export options and two mining site options within the province of Inhambane in Mozambique. Duties included managing the environmental baseline studies for the pre-feasibility stage together with the Environmental Impact Assessment for the feasibility stage. In addition to this, duties included consultation with the Mozambican authorities as well as the management of the in-country registered consultant (Impacto) who will be carrying out most of the Social related studies.

Job Title and Duties: Environmental Advisor
 Value of Project: R1.3 million

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Project duration & year: 16 months, 2009
Client: Chapudi Coal (Pty) Ltd and Kwezi Mining Exploration (Pty) Ltd
Name of Project: Chapudi Coal Environmental Baseline Assessment
Project Description: Baseline assessment for the proposed Chapudi Coal mine situated at the foot of the Soutpansberg Mountains near Waterpoort in Limpopo.
Job Title and Duties: Environmental Scientist responsible for client liaison, proposal preparation, project progress presentations and reporting to the project team, coordination of specialist studies and reports, compilation of the baseline assessment reports.
Value of Project: R 1 million

Ashleigh Maritz

Principal Scientist

Key Experience

Climate assessment and management

Location:	Japan
Project duration & year:	January – March 2021
Client:	Japan Oil, Gas and Metals National Corporation (JOGMEC)
Name of Project:	Study on Technical Measures to Reduce and Offset Carbon Dioxide Emissions in the Mining Industry
Project Description:	Review and investigation into major sources of Greenhouse Gas emissions (GHG) from the Mining Industry and associated smelters and technology to reduce emissions being implemented globally.
Job Title and Duties:	Researcher focusing on identification and reporting on case studies for GHG reductions in smelters.
Value of Project:	\$90 000
Location:	Newcastle, South Africa
Project duration & year:	September – December 2020
Client:	Newcastle Cogeneration
Name of Project:	Climate Change Impact Assessment
Project Description:	Assessment of the impact the project poses to climate change and the potential risks posed by predicted climatic changes to the project and identification of potential adaptation strategies.
Job Title and Duties:	Specialist including document review, impact assessment, identification of mitigation measures and adaptation strategies and reporting.
Location:	Eastern Cape, South Africa
Project duration & year:	Current
Client:	Eastern Cape Department of Economic Development, Environmental Affairs and Tourism (DEDEAT)
Name of Project:	Mainstreaming Climate Change aspects into Five Department of Economic Development, Environmental Affairs and Tourism Policies
Project Description:	Reviewing and mainstreaming climate change aspects into selected DEDEAT Policies / Plans.
Job Title and Duties:	Specialist responsible for the research and compilation of the various reporting deliverables together with other members of the SRK research team
Value of Project:	R 200 000 in fees

Ashleigh Maritz

Principal Scientist

Key Experience

Climate assessment and management

Location:	Mpumalanga, South Africa
Project duration & year:	Current
Client:	Anglo American Coal
Name of Project:	SACE Lifex
Project Description:	Climate assessment for the SACE Lifex Project in support of the pre-feasibility studies and in compliance to the IDM
Job Title and Duties:	Specialist responsible for the research and compilation of the climate assessment together with other SRK team members
Value of Project:	R 50 000 in fees
Location:	DRC and South Africa
Project duration & year:	2018-2019
Client:	Ivanhoe Mines Ltd
Name of Project:	Environmental Management Gap Analysis Group Level 2019
Project Description:	A review of the greenhouse gas (GHG) reporting across the three projects using information obtained from publicly availability documentation, information supplied by Ivanhoe and from the interviews conducted on site
Job Title and Duties:	Specialist responsible for the research and compilation of the report together with other team members
Value of Project:	R 400 000 in fees (entire reporting component)



**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

ASHLEIGH JACKSON

by geleentheid van 'n kongregasie
van die Universiteit

at a congregation of the
University

Rektor/Rector

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

10 DESEMBER/DECEMBER 2004
Johannesburg
ID 8301020130088





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

BACCALAUREUS SCIENTIAE CUM HONORIBUS

(cum laude)

(Voltooi in ooreenstemming met die kurrikulum van die voormalige Randse Afrikaanse Universiteit)

(Completed in accordance with the curriculum of the former Rand Afrikaans University)

met studierigting with field of study

**Biochemie
Biochemistry**

met al die regte en voorregte daaraan **with all its associated rights and privileges**
verbonde kragtens die Statuut van die **in accordance with the Statute of the**
Universiteit toegeken is aan **University has been awarded to**

ASHLEIGH JACKSON

by geleentheid van 'n kongregasie **at a congregation of the**
van die Universiteit **University**

Visekanselier/Vice-Chancellor

Pro-Visekanselier en Visepriinspaal/Pro Vice-Chancellor and Vice-Principal

24 APRIL/APRIL 2006

Johannesburg

ID 8301020130088





UNIVERSITY
OF
JOHANNESBURG

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

MAGISTER SCIENTIAE
(cum laude)

with field of study

Biochemistry

with all its associated rights and privileges
in accordance with the Statute of the
University has been conferred upon

ASHLEIGH JACKSON

at a congregation of the University

Vice-Chancellor

Registrar

07 OCTOBER 2008
Johannesburg
ID 8301020130088





THE SOUTH AFRICAN COUNCIL
FOR
NATURAL SCIENTIFIC PROFESSIONS

herewith certifies that

Ashleigh Maritz

Registration number: 400331/11

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

31 August 2011

31 August 2011

Pretoria


President


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

Mrs Ashleigh Maritz

Sent by email to: amaritz@srk.co.za

Dear Mrs Maritz

Registered Environmental Assessment Practitioner: Number 2020/547 Ashleigh Maritz :

The Environmental Assessment Practitioners Association of South Africa (EAPASA) herewith certifies that Ashleigh Maritz 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 is displayed in the 'EAP Register' - please find your name and contact email address at

<https://registration.eapasa.org/registered-practitioners>

Your registration is effective for a period of five years from 24 January 2020, and expires on 24 January 2025. The renewal of your registration in 2025 will be contingent on you having met the requirements of EAPASA's Continuing Professional Development (CPD) policy during each year of registration.

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: 24 January 2020

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

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

Michelle Miles

Environmental Scientist



Profession	Environmental Science and Management
Education	BSc (Hons) Environmental Water Management), Rhodes University, 2013 BSc, (Geography and Environmental Science), Rhodes University, 2014
Registrations/ Affiliations	Member, EAPASA, 2020/1057
Awards	None

Specialisation

Environmental project management; environmental and social impact assessments, Environmental advisory, environmental construction management.

Expertise

Michelle has 5 years' experience within the environmental science and management field. She has been involved in a various aspect of projects ranging from concept studies all the way through to environmental construction management. Michelle has experience in conducting environmental legal reviews as well as environmental permitting processes such as Environmental Impact Assessments and Basic Assessments. Her experience include:

- Environmental authorisations such as Basic Assessments and Environmental Impact Assessments as well as other associated environmental permits
- Environmental Baseline Assessments
- Environmental design criteria as well as permitting strategies
- Construction environmental management plans
- Independent weekly audit report for construction
- Legislative reviews of various countries
- Geographical information systems (GIS) analyses
- Waste management plans
- Water monitoring sampling and analysis
- Environmental Compliance Auditing

Employment

2021 – present	SRK Consulting (Pty) Ltd, environmental Scientist, Johannesburg
2016 – 2021	Hatch Africa (Pty) Ltd, Intermediate Environmental Advisor, Johannesburg

Publications

None

Languages

English – read, write, speak (excellent)
Afrikaans – read, speak (fair)

Michelle Miles

Environmental Scientist

Key Experience: Environmental permitting

Location: Northern Cape, South Africa
 Project duration & year: 2021 - 2022
 Client: Kudumane Manganese Resources (KMR)
 Name of Project: Kudumane Integrated Environmental Authorisation
 Project Description: Twp Environmental Impact Assessment for the Kudumane Manganese Resources Expansion Projects
 Job Title and Duties:

- Environmental coordinator
- Assistance with the compilation of the EIA and EMPr Reports
- Public participation and stakeholder engagement
- Client liaison

 Value of Project: R1.6 million

Location: Mokopane, Limpopo, South Africa
 Project duration & year: 2021 - 2022
 Client: Anglo American Platinum
 Name of Project: North Waste Rock Dump Basic Assessment
 Project Description: Basic Assessment for the proposed Mogalakwena Complex North Waste Rock Dump.
 Job Title and Duties:

- Environmental coordinator
- Assistance with the compilation of the EIA and EMPr Report
- Public participation and stakeholder engagement

 Value of Project: R 500 000

Location: Mpumalanga, South Africa
 Project duration & year: 2021 – Ongoing
 Client: Thungela Resources
 Name of Project: Proposed Elders Colliery
 Project Description: Scoping and Environmental Impact Assessment and Environmental Management Programme as well as a Water Use Licence for the Proposed Elders Colliery
 Job Title and Duties:

- Environmental coordinator
- Assistance with the compilation of the EIA and EMPr Report
- Public participation and stakeholder engagement
- Client liaison

 Value of Project: R 1.5 million

Location: Mpumalanga, South Africa
 Project duration & year: 2021 – Ongoing
 Client: Thungela Resources
 Name of Project: Clydesdale Pit Project
 Project Description: Scoping and Environmental Impact Assessment and Environmental Management Programme as well as a Water Use Licence for the Proposed Clydesdale Pit Project
 Job Title and Duties: Assistance in compiling the Scoping and EIA Report
 Value of Project: R 1 million

Michelle Miles

Environmental Scientist

Key Experience: Environmental permitting

Location: Thabazimbi, North West, South Africa
 Project duration & year: 2021 – Ongoing
 Client: Anglo American Platinum
 Name of Project: Amandelbult Integrated EA Project
 Project Description: Scoping and Environmental Impact Assessment and Environmental Management Programme as well as a Water Use Licence for five capital projects as well as Stay in Business projects
 Job Title and Duties: Environmental advisory
 Specialist co-ordination
 Client liaison
 Value of Project: R 3.5 million

Location: North West, South Africa
 Project duration & year: 2020 - 2021
 Client: Anglo American Platinum
 Name of Project: Mortimer SO2 Abatement Project
 Project Description: Feasibility and Revalidation Study for the Mortimer SO2 Abatement Project including a Section 29 (Part1) Amendment.
 Job Title and Duties:

- Project management
- Compilation of the Section 29 Amendment
- Client liaison
- Environmental advisory

 Value of Project: R500 000

Location: Richards Bay, KwaZulu Natal, South Africa
 Project duration & year: 2019 - 2020
 Client: Nyanza Light Metals,
 Name of Project: Nyanza TiO2 Pilot Plant,
 Project Description: Scoping and Environmental Impact Report as well as the associated Environmental Management for the Nyanza TiO2 Pilot Plant.
 Job Title and Duties:

- Junior Environmental Consultant
- Assistance with the compilation of the EIA and EMP Report
- Public participation and stakeholder engagement
- Client liaison

 Value of Project: R1.5 Million

Location: Redford Road, Western Cape, South Africa
 Project duration & year: 2019 - 2021
 Client: Western Cape Government: Road and Public Transport
 Name of Project: DR 1797 Road Upgrade Project
 Project Description: A Basic assessment to upgrade the DR 1797 Road in the Western Cape.
 Job Title and Duties:

- Project management
- Compilation of the Basic Assessment and Environmental Management Programme
- Stakeholder engagement

 General authorisation in terms of the National Water Act
 Value of Project: R500 000 in environmental fees

Michelle Miles

Environmental Scientist

Key Experience: Environmental permitting

Location: Welkom and Virginia, Free State Province, South Africa
 Project duration & year: 2017 - 2019
 Client: Matjhabeng Local Municipality,
 Name of Project: Nyakallong, Theronia and Virginia Waste Water Treatment Works Upgrade,
 Project Description: Scoping and Environmental Impact Report as well as the associated Environmental Management Plans for the upgrade of the Nyakallong, Theronia and Virginia Waste Water Treatment Works.
 Job Title and Duties:

- Junior Environmental Consultant
- Assistance with the compilation of the EIA and EMPr Report
- Public participation and stakeholder engagement

 Client liaison
 Value of Project: R 2.5 million in environmental fees

Location: Western Cape, South Africa
 Project duration & year: 2017 - 2018
 Client: Western Cape Government Roads
 Name of Project: Basic Assessment for the flood damage repairs to structures on the MR309 in Seweweekspoort Pass, Western Cape
 Project Description: Basic Assessment and Water Use Licence process for the upgrade and repair of 30 stormwater management structures along the MR309 road within the Seweweekspoort in the Western Cape.
 Job Title and Duties:

- Junior Environmental Consultant
- Assistance with the compilation of the EIA and EMPr Report
- Public participation and stakeholder engagement
- Client liaison

 Value of Project: R 250 000 in environmental fees

Location: Jericho Dam, Amsterdam, Mpumalanga Province, South Africa
 Project duration & year: 2017 - 2018
 Client: Department of Water and Sanitation
 Name of Project: Jericho Dam Pump Station Refurbishment
 Project Description: Basic Assessment for the construction of a new pump station to replace the existing pump station at the Jericho Dam which is a National Key Point.
 Job Title and Duties:

- Junior Environmental Consultant
- Assistance with the compilation of the EIA and EMPr Report
- Public participation and stakeholder engagement
- Client liaison

 Value of Project: R 216 000 in environmental fees

Key Experience Environmental Management and Advisory

Location: Rustenburg, North West, South Africa
 Project duration & year: 2021 - 2021
 Client: Anglo American Platinum
 Name of Project: PMR Silt Handling Sump
 Project Description: The relining of Dam 2 at the Precious Metal Refinery which required the construction of a silt sump
 Job Title and Duties:

- Client liaison
- Compilation of the Minimum applicability Checklist to be submitted to the NWDEDECT

 Value of Project: R 50 000

Michelle Miles

Environmental Scientist

Key Experience

Environmental Management and Advisory

Location: Polokwane, Limpopo, South Africa
 Project duration & year: 2021
 Client: Anglo American Platinum
 Name of Project: Conceptual Closure Plan for the Anglo American Platinum Polokwane Metallurgical Complex
 Project Description: Conceptual closure plan for the Polokwane Metallurgical Complex based on the Anglo American Platinum Closure Toolbox
 Job Title and Duties:

- Assistance in compiling the PMC closure plan

 Value of Project: R 30 000

Location: Saldanha Bay, Western Cape
 Gqeberha, Eastern Cape
 Richards Bay, Kwa-Zulu Natal, South Africa
 Project duration & year: 2021
 Client: AFRY Switzerland Ltd
 Name of Project: Project Karadeniz LTA 3 Powerships
 Project Description: Appointed lenders environmental due diligence team
 Job Title and Duties:

- Review of existing information
- Conducted sit visits to the various locations
- Assisted in compiling the technical due diligence

 Value of Project: Confidential

Location: Northern KwaZulu Natal, South Africa
 Project duration & year: 2020
 Client: Umkhanyakude District Municipality
 Name of Project: Wastewater Risk Abatement Plan
 Project Description: Compliance assessment of the Umkhanyakude District Municipality WWTW within Northern KwaZulu Natal.
 Job Title and Duties:

- Environmental Advisor
- Environmental reporting

 Environmental risk assessment
 Value of Project: R 500 000

Location: Secunda, Mpumalanga, South Africa
 Project duration & year: 2019
 Client: Sasol Technology Group,
 Name of Project: Coarse Ash Waste Disposal Project
 Project Description: Concept study for the expansion of the coarse ash dump at Sasol, Secunda.
 Job Title and Duties:

- Environmental Project Lead
- Compilation of an environmental Design Criteria

 Environmental permitting strategy
 Value of Project: R 200 000

Michelle Miles

Environmental Scientist

Key Experience

Environmental Management and Advisory

Location:	Richards Bay, KwaZulu Natal, South Africa
Project duration & year:	2018 - 2020
Client:	Rio Tinto
Name of Project:	Zulti South
Project Description:	The development of the Zulti South Project to mine the sand dune south of Richards Bay.
Job Title and Duties:	<ul style="list-style-type: none"> • Environmental Advisor • EPCM • Development of Construction Environmental Management Plans • Compilation of RACI matrix's • Procurement procedures Tender evaluation
Value of Project:	Confidential
Location:	Polokwane, Limpopo Province, South Africa
Project duration & year:	2017 – 2018
Client:	Anglo American Platinum
Name of Project:	SO ₂ Abatement Plant at Polokwane Smelter
Project Description:	Environmental Control Officer for the construction phase of the SO ₂ Abatement Plant.
Job Title and Duties:	Environmental Control Officer
Value of Project:	R 2.2 million in environmental fees
Location:	Mpumalanga, South Africa
Project duration & year:	2016 - 2017
Client:	Eskom
Name of Project:	Eskom Majuba Rail Project
Project Description:	External environmental auditor for the construction phase of the Eskom Majuba Railway line
Job Title and Duties:	<ul style="list-style-type: none"> • Environmental assistant • Water monitoring and reporting • Borrow pit permitting and closure
Value of Project:	R 2 million

NR 2019/02

Mandisa Buthelezi

Admitted Attorney of the High Court of South Africa
Commissioner of Oaths Ex Officio
Hatch Building, 58 Emerald Parkway Road
Greenstone Hill, Modderfontein
Republic of South Africa



CERTIFIED A TRUE
COPY OF THE
ORIGINAL

RHODES UNIVERSITY

THIS IS TO CERTIFY THAT

MICHELLE LOUISE KAYTON

WAS THIS DAY AT A CONGREGATION OF THE UNIVERSITY
ADMITTED TO THE DEGREE OF

BACHELOR OF SCIENCE

VICE CHANCELLOR

DEAN OF THE FACULTY OF SCIENCE

REGISTRAR

GRAHAMSTOWN
12 APRIL 2014

MB 2019/10/02

Mandisa Buthelezi
Admitted Attorney of the High Court of South Africa
Commissioner of Oaths Ex Officio
Hatch Building, 58 Emerald Parkway Road
Greenstone Hill, Modderfontein
Republic of South Africa

CERTIFIED A TRUE
COPY OF THE
ORIGINAL



RHODES UNIVERSITY

THIS IS TO CERTIFY THAT

MICHELLE LOUISE KAYTON

WAS THIS DAY AT A CONGREGATION OF THE UNIVERSITY
ADMITTED TO THE DEGREE OF

BACHELOR OF SCIENCE

WITH HONOURS

IN

ENVIRONMENTAL WATER MANAGEMENT

VICE CHANCELLOR

ACTING DEAN OF THE FACULTY OF SCIENCE

REGISTRAR

GRAHAMSTOWN
9 APRIL 2015

**Environmental Assessment
Practitioners Association
of South Africa**



Registration No. 2020/1057

Herewith certifies that

Michelle Louise Kayton

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



Appendix B: WinDeeds



This report is compiled exclusively from the very latest data directly supplied to WinDeed by the Deeds Office.

Any personal information obtained from this search will only be used as per the Terms and Conditions agreed to and in accordance with applicable data protection laws including the Protection of Personal Information Act, 2013 (POPI), and shall not be used for marketing purposes.

**** ASTERISKS INDICATE THE INFORMATION IS ENRICHED FROM THE WINDEED DATABASE.**

SEARCH CRITERIA

Search Date	2022/10/10 16:18	Farm Number	819
Reference	-	Registration Division	LR
Report Print Date	2022/10/10 16:19	Portion Number	a
Farm Name	-	Remaining Extent	NO
Deeds Office	Limpopo	Search Source	Deeds Office

PROPERTY INFORMATION

Property Type	FARM	Diagram Deed Number	DB168/28
Farm Name	VAALKOP	Local Authority	MOGALAKWENA LOCAL MUNICIPALITY
Farm Number	819	Province	LIMPOPO
Registration Division	LR	Remaining Extent	NO
Portion Number	0	Extent	1600.9968H
Previous Description	-	LPI Code	TOLR00000000081900000
Suburb / Town**	OKM NORTH OF GAMOLEKANA	Co-ordinates (Lat/Long)**	-23.997467 / 28.93702

OWNER INFORMATION (1)

NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA			Owner 1 of 1
Company Type**	GOVERNMENT	Document	T22441/1942PTA
Registration Number	-	Microfilm / Scanned Date	-
Name	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	Purchase Price (R)	-
Multiple Owners**	NO	Purchase Date	-
Multiple Properties**	NO	Registration Date	1942/11/13
Share (%)	-		

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).

ENDORSEMENTS (11)

#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	K3641/1989RMPTA	PENULTIMATE HOLDINGS PTY LTD	-	-
2	K3642/1989SPTA	-	-	-
3	K487/2021S	-	-	-
4	K7264/2001SPTA	-	-	-
5	K96/2000SPTA	-	-	-
6	VA1073/2000PTA	LANGA STAM-TRIBE	-	-
7	VA4729/1998PTA	MOGALAKWENA PLATINUM LTD	-	-
8	CONVERTED FROM PTA	-	-	-
9	LEBOWA	-	-	-
10	LR,819	-	-	-
11	RELEASED AREA	-	-	-

HISTORIC DOCUMENTS

No historic documents to display

DISCLAIMER

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This report is compiled exclusively from the very latest data directly supplied to WinDeed by the Deeds Office.

Any personal information obtained from this search will only be used as per the Terms and Conditions agreed to and in accordance with applicable data protection laws including the Protection of Personal Information Act, 2013 (POPI), and shall not be used for marketing purposes.

**** ASTERISKS INDICATE THE INFORMATION IS ENRICHED FROM THE WINDEED DATABASE.**

SEARCH CRITERIA

Search Date	2022/10/10 16:20	Farm Number	818
Reference	-	Registration Division	LR
Report Print Date	2022/10/10 16:21	Portion Number	a
Farm Name	-	Remaining Extent	NO
Deeds Office	Limpopo	Search Source	Deeds Office

PROPERTY INFORMATION

Property Type	FARM	Diagram Deed Number	DB166/12
Farm Name	SWARTFONTEIN	Local Authority	MOGALAKWENA LOCAL MUNICIPALITY
Farm Number	818	Province	LIMPOPO
Registration Division	LR	Remaining Extent	NO
Portion Number	0	Extent	1729.5665H
Previous Description	-	LPI Code	TOLR00000000081800000
Suburb / Town**	1KM NORTH OF POTGIETERSRUST	Co-ordinates (Lat/Long)**	-23.969682 / 28.905906

OWNER INFORMATION (1)

NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA		Owner 1 of 1	
Company Type**	GOVERNMENT	Document	T6601/1913PTA
Registration Number	-	Microfilm / Scanned Date	-
Name	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	Purchase Price (R)	-
Multiple Owners**	NO	Purchase Date	-
Multiple Properties**	NO	Registration Date	1913/08/08
Share (%)	-		

DISCLAIMER

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ENDORSEMENTS (11)

#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	I-896/2021LG	-	-	-
2	I-898/2021LG	-	-	-
3	K128/2022S	-	-	-
4	K3641/1989RMPTA	PENULTIMATE HOLDINGS PTY LTD	-	-
5	K3642/1989SPTA	-	-	-
6	K5179/2005SPTA	-	-	-
7	K865/2013LPTA	MOGALAKWENA PLATINUM LTD	-	-
8	VA978/2013PTA	LANGA STAM-TRIBE	-	-
9	CONVERTED FROM PTA	-	-	-
10	LR,818	-	-	-
11	RELEASED AREA	-	-	-

HISTORIC DOCUMENTS (1)

#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	T6601/1913PTA	LANGA STAM-TRIBE	Unknown	-

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).

Appendix C: Public Participation Documentation



October 2022
575107

Dear Sir/Madam

BACKGROUND INFORMATION LETTER

Combined Basic Assessment process for infrastructure and activities at Mogalakwena Complex, Limpopo Province, South Africa.

1. Introduction

Anglo American Platinum (AAP), Rustenburg Platinum Mines Mogalakwena Complex has identified several supporting infrastructure requirements to assist the mine in operating more efficiently.

The environmental authorisation process will entail a Basic Assessment (BA) in terms of the National Environmental Management Act (Act No 107 of 1998) (NEMA) 2014 Environmental Impact Assessment (EIA) Regulations as amended, for additional infrastructure and associated activities at Mogalakwena Complex. In addition, the BA process will be undertaken to formalise the inclusion of the new mining right area into the Mogalakwena Complex's environmental authorisation. AAP has appointed SRK Consulting (South Africa) (Pty) Ltd (SRK) as an independent Environmental Assessment Practitioner (EAP) to undertake the BA and the associated Public Participation Process.

1.1 Purpose of background information letter

The purpose of this background information letter is to provide Interested and Affected Parties (I&APs) with:

- Initial information on the proposed project and the environmental authorisation process which will be followed;
- An opportunity to register as an Interested and Affected Party (I&AP) and to comment on the proposed project and process; and
- Information on the next steps in the environmental authorisation process.

1.2 Background

Mogalakwena Complex is a wholly owned subsidiary of Anglo American Platinum Limited and is situated approximately 30 km northwest of the town of Mokopane within the Mogalakwena Local Municipal Area, under the jurisdiction of the Waterberg District Municipality in Limpopo Province of South Africa. Mogalakwena Complex operates under several existing approved Environmental Management Programme Reports (EMPRs), Water Use Licences (WULs) and Waste Management Licences (WMLs) and comprises the following key infrastructure:

- Two ore processing plants (North and South Concentrators);

Partners R Armstrong, P Aucamp, JS Bartels, CM Bauman, N Brien, JM Brown, LSE Coetser, CD Dalglish, BM Engelsman, R Gardiner, M Hinsch, SG Jones, W Jordaan, WC Joughin, DA Killan, F Lake, JA Lake, NG Macfarlane, V Maharaj, I Mahomed, HAC Meintjes, MJ Morris, DH Mossop, GP Nel, VS Reddy, S Reuther, PJ Shepherd, T Shepherd, MJ Sim, JS Stiff, M van Huyssteen, AT van Zyl, MD Wanless, CJ Wessels, ML Wertz, A Wood

Directors WC Joughin, V Maharaj, T McGurk, VS Reddy, T Shepherd, JS Stiff, AT van Zyl

Associate Partners PL Burmeister, LI Boshoff, T Claassen, SA de Villiers, IT Doku, M du Toit, LM Linzer, B Mabenge, JI Mainama, RD O'Brien, AM Robertshaw, LC Shand

Consultants JR Dixon, PrEng, GC Howell, PrEng, PhD, WC Joughin, PrEng, MSc, PR Labrum, PrEng, LM Linzer, PrSci Nat, PhD, SA Lorentz, PhD, RRW McNeill, PrTech Eng, HAC Meintjes, PrEng, MSc, PN Rosewarne, PrSci Nat, MSc, VM Simposya, PrSci Nat, AA Smithen, PrEng, TR Stacey, PrEng, DSc, PJ Terbrugge, PrSci Nat, MSc, HFJ Theart, PrSci Nat, PhD, DJ Venter, PrTech Eng

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- Two tailings storage facilities (Vaalkop and Blinkwater);
- Five open pit mining areas; and
- Five main waste rock dumps.

2. Project Description

The proposed project will involve the following supporting infrastructure and activities:

- **Pre-Assembly Yard:** This area will be used to pre-assemble equipment and machinery which will be installed at the Mogalakwena Complex's Third Concentrator (M3C); and
- **Cable Repair Yard:** The cable repair yard will be used to repair and connect cables for use within the southern area of the Mogalakwena Complex.

The above-mentioned infrastructure and activities will be located within the Mogalakwena Complex's existing mining right and lease areas on the farms Zwartfontein 818 LR and Vaalkop 819LR.

3. Project Location

The proposed infrastructure shown in Figure 1 will be located within the existing mining right and surface lease areas of Mogalakwena Complex.

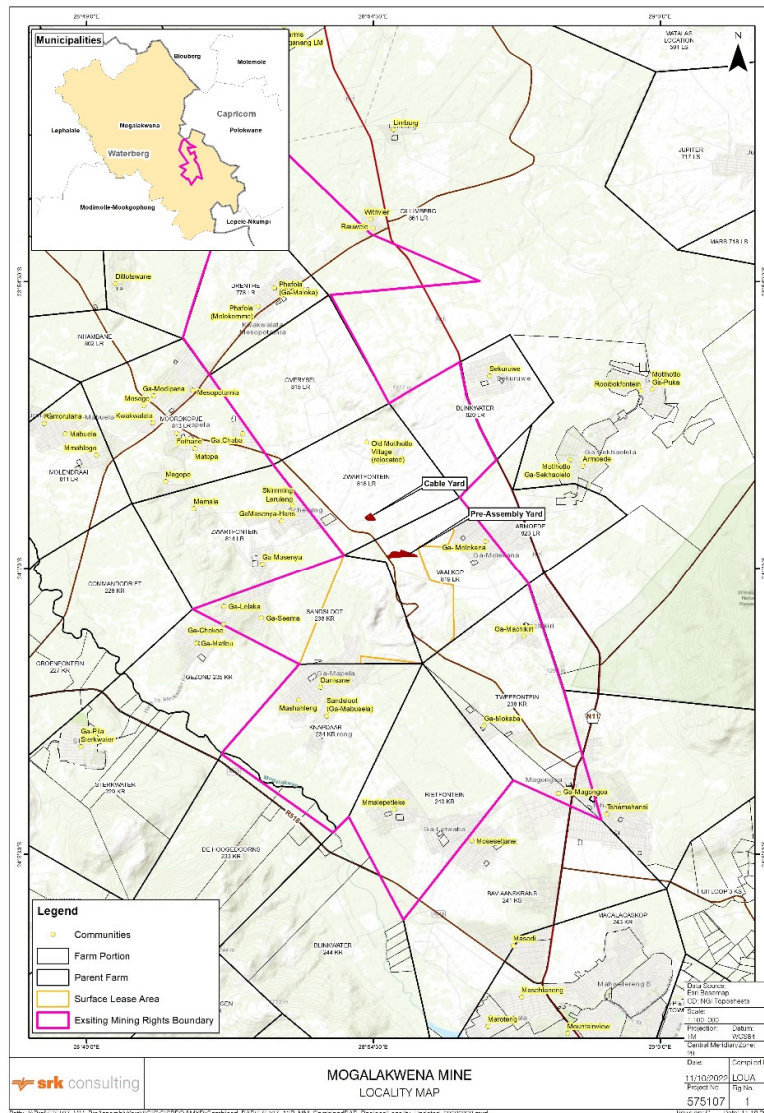


Figure 1: Location of the proposed supporting infrastructure and activities

4. Basic Assessment Process

Before the Mogalakwena Complex may commence with development of any of the additional infrastructure, certain environmental authorisations and amendments need to be undertaken in terms of the NEMA EIA Regulations of 2014, as amended.

The listed activity applicable to this project is:

- **Listing Notice 1, Activity 27:** *The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation.*

The application for environmental authorisations in terms of NEMA will be submitted to the Limpopo Province's Department of Mineral Resources and Energy (DMRE) for consideration.

The Basic Assessment process to be undertaken as part of the authorisation process is illustrated in the Figure 2.

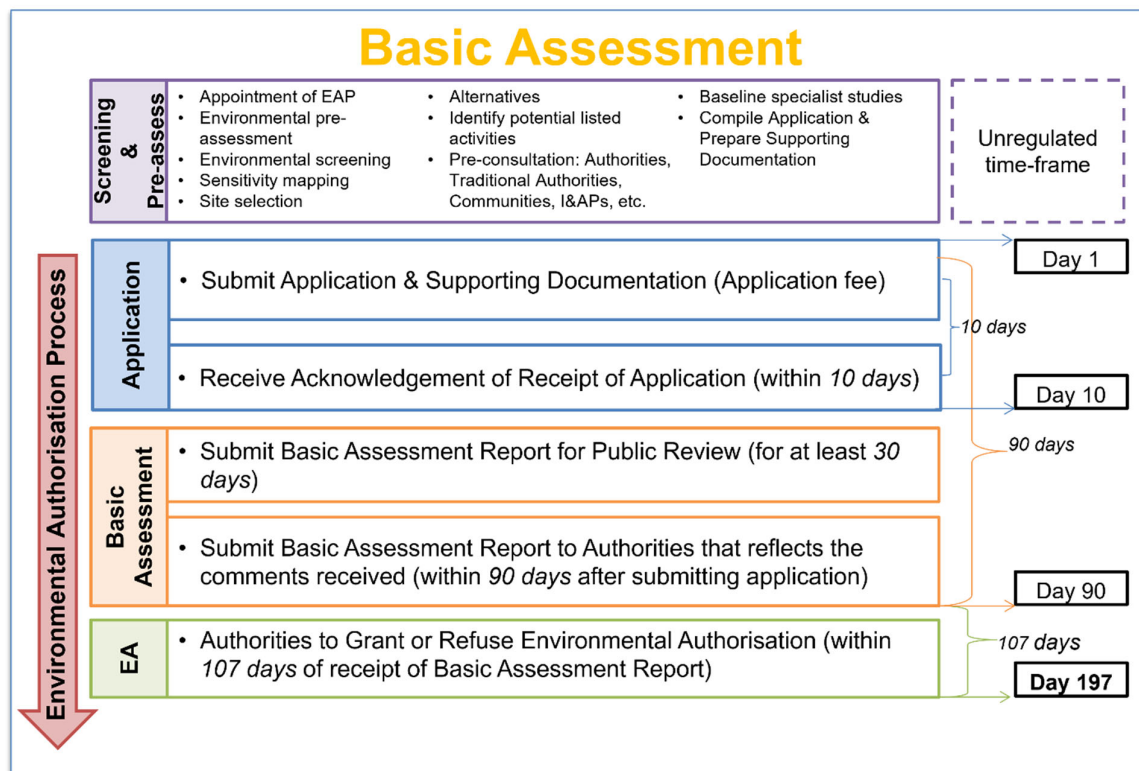


Figure 2: Illustration of the Basic Assessment Process

5. Public Participation Process

SRK will undertake the environmental authorisation process in accordance with the requirements of Chapter 6 of the NEMA EIA Regulations, as amended; and

As an important part of the environmental authorisation process, SRK will undertake a public participation process to engage I&APs to share information about the proposed project and process, and to provide them an opportunity to comment.

The public participation process which will be conducted as part of the BA process is summarised in Figure 3. During this process, I&APs will be identified, the project will be announced, and potential impacts of the proposed project will be identified and assessed.

Following the announcement of the project, the Draft Basic Assessment Report (BAR) will be made available for public comment, for a period of 30 calendar days. The report will then be updated to incorporate comments from I&APs, and the Final BAR will be submitted to the DMRE, who will in consultation with other authorities at provincial and local levels, decide on environmental authorisation for the proposed project.

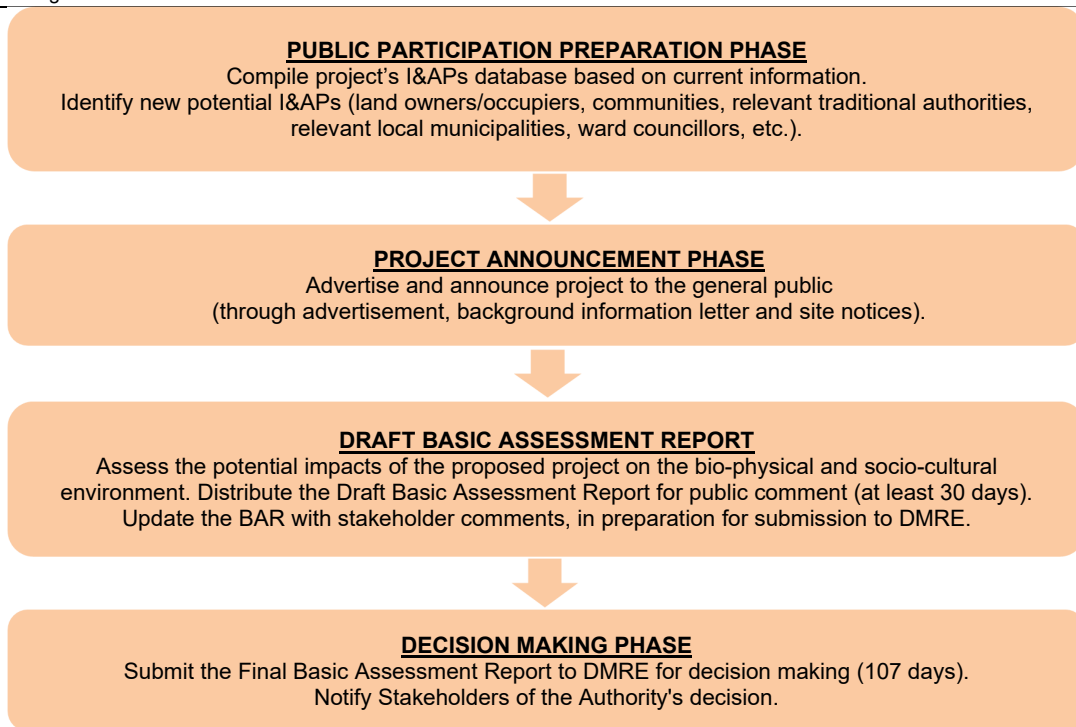


Figure 3: Basic Assessment Process

5.1 Invitation to register as an I&AP

Please note that you must register as an I&AP to be kept informed of the project activities and further opportunities to comment on the project. More documents will become available during the BA process. Your comments and suggestions on any aspect of the proposed project and authorisation process will ultimately assist the authorities to make an informed decision.

I&APs are encouraged to register and submit questions, comments and suggestions by completing the attached Registration and Comment Form and returning it to the SRK Public Participation Office (details below). Note that stakeholders will have further opportunity to comment on this project during the Basic Assessment Process.

Onalenna Tjale at the SRK Consulting Public Participation Office, P O Box 55291 Northlands, 2116, Tel: (011) 441 1245 Email: otjale@srk.co.za, Fax 086-503-6825

6. Next steps in the Environmental Authorisation process

Following this announcement of the proposed integrated project, the Draft Basic Assessment Report will be made available for public comment during October 2022. During this time registered I&APs will be informed of the availability of the report and will be provided with an opportunity to engage (via e-mail and/or telephonically) with the stakeholder engagement and project teams to discuss the contents of the DBAR and raise comments and concerns regarding the proposed project.

We look forward to your participation in this process.

Yours faithfully,

SRK Consulting (South Africa) (Pty) Ltd

SRK Consulting - Certified Electronic Signature
575014544388r
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575014544388r
This signature has been certified by SRK. The signature is protected by SRK.
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Ashleigh Maritz
Project Environmental Assessment Practitioner



Oktoboro 2022
575107

Thobela Mohlomphegi/Mohumagadi

LENGWALO LA TSHEDIMOŠO YA MATHOMONG

Tshapedišo ye e Kopantšwego ya Tekolo ya Motheo ya mešomo ya mananeokgoparara le ye e amanago le yona ka Lefelong la Moepo wa Mogalakwena, ka Phrobentsheng ya Limpopo, Afrika Borwa.

1. Matseno

Anglo American Platinum (AAP), Lefelo la Meepo la Mogalakwena la Meepo ya Pholathinamo ya ka Rustenburg le hlathile dinyakwa tše mmalwa tša mananeokgoparara a thekgo go thuša moepo go šoma gabotse kudu.

Tshapedišo ya tumelelo go tikologo e tla akaretša Tekolo ya Motheo go Latela Molao wa Taolo ya Tikologo wa Bosetšhaba (Molao wa Nomoro ya 107 wa 1998) (NEMA) wa 2014 Melao ya Tekolo ya Seabe go Tikologo (EIA) ka ge e fetošitšwe, go mananeokgoparara a tlaletšo le mešomo ye e amanago le yona ka Lefelong la moepo la Mogalakwena- AAP e thwetše SRK Consulting (South Africa) (Pty) Ltd (SRK) bjalo ka mošomi yo a Ikemego wa Tekolo ya Tikologo (EAP) go dira Tekolo ya Motheo le Go Kgatha tema ga Setšhaba mo go Amegago

Maikemišetšo a lengwalo la tshedimošo ya mathomong

Maikemišetšo a lengwalo le la tshedimošo ya mathomong ke go fa Batho bao ba nago le Kgahlego le bao ba Amegago (di-I&AP):

- Tshedimošo ya mathomong ka ga protšeke ye e šišintšwego le tshapedišo ya tumelelo go tikologo yeo e tlogo latišišwa;
- Sebaka sa go ingwadiša bjalo ka Motho yo a nago le Kgahlego le yo a Amegago (I&AP) le go fa ditshwaotshwao ka ga protšeke ye e šišintšwego le tshapedišo ya yona; le
- Tshedimošo ka ga dikgato tše di latelago ka go tshapedišo ya tumelelo go tikologpo.

1.1 Tshedimošo ya mathomong

Lefelo la Moepo wa Mogalakwena ke karolo ya ka fasana ye e lego ya Anglo American Platinum Limited (AAP) gomme lona le dikhilometara tše di ka bago tše 30 ka leboabodikela la toropo ya Mokopane ka gare ga Lefelo la Masepala wa Selegae la Mogalakwena, ka fase ga bolaodi bja Masepala wa Selete wa Waterberg ka Phrobentsheng ya Limpopo ka Afrika Borwa.

Lefelo la Moepo wa Mogalakwena le šoma ka fase ga Dipego tše mmalwa tšeo di dumeletšwego tša Lenaneo la Taolo ya Tikologo (di-EMPr), Laesentshe ya Tšhomišo ya Meetse (WUL) le Dilaesentshe tša Taolo ya Ditlakala (di-WML) ebile le na le mananeokgoparara ao a latelago a bohlokwa:

Partners R Armstrong, P Aucamp, JS Bartels, CM Bauman, N Brien, JM Brown, LSE Coetser, CD Dalgliesh, BM Engelsman, R Gardiner, M Hinsch, SG Jones, W Jordaan, WC Joughin, DA Killan, F Lake, JA Lake, NG Macfarlane, V Maharaj, I Mahomed, HAC Meintjes, MJ Morris, DH Mossop, GP Nel, VS Reddy, S Reuther, PJ Shepherd, T Shepherd, MJ Sim, JS Stiff, M van Huyssteen, AT van Zyl, MD Wanless, CJ Wessels, ML Wertz, A Wood

Directors WC Joughin, V Maharaj, T McGurk, VS Reddy, T Shepherd, JS Stiff, AT van Zyl

Associate Partners PL Burmeister, LI Boshoff, T Claassen, SA de Villiers, IT Doku, M du Toit, LM Linzer, B Mabenge, JI Mainama, RD O'Brien, AM Robertshaw, LC Shand

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- Dipholante tše pedi tša go šoma borale (Lefelo la go šoma Dirafša la ka Leboa le ka Borwa);
- Mafelo a mabedi a go boloka mašaledi a moepong (Vaalkop le Blinkwater);
- Mafelo a mahlano a meepo ye e bulegilego; le
- Mafelo a mahlano a go tšhela maswika ao a lahlilwego.

2. Tihalošo ya Protšeke

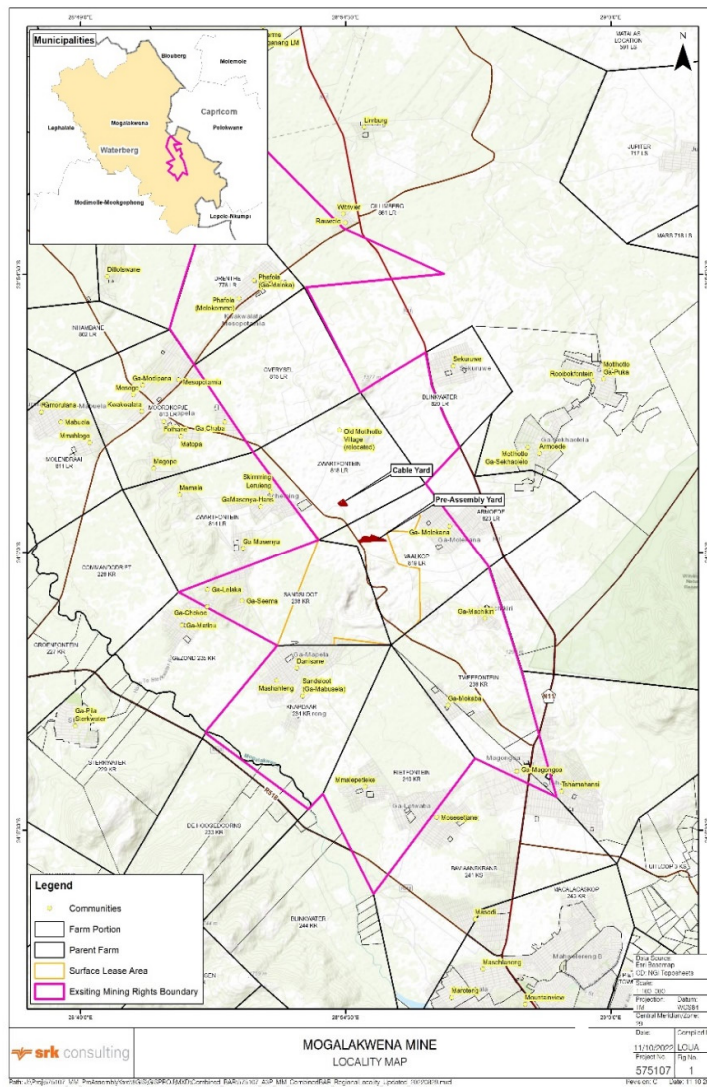
Protšeke ye e šišintšwego e tla akaretša mananeokgoparara le mešomo ye e latelago ye e thekgago:

- **Jarata ya Poloko ya Ditlabele pele di dirišwa:** Lefelo le le tla šomišwa go kgoboketša ditlabele le metšhene pele ga ge e ka hlongwa ka Lefelong la Moepo wa Mogalakwena la go Šoma Dirafša la Boraro (M3C); le
- **Jarata ya go Lokiša Mathale:** Jarata ya go lokiša mathale e tla šomišwa go lokiša le go kgokaganya mathale ao a tlogo šomišwa ka Lefelong la Moepo wa Mogalakwena.

Mananeokgoparara le mešomo ye go boletšwego ka yona ka mo godimo a tla ba ka gare ga Lefelo la tokelo ya moepo la Mogalakwena le ka mafelong ao a hirišitšwego ka dipolaseng tša Zwartfontein 818 LR le Vaalkop 819LR.

3. Lefelo la Protšeke

Mananeokgoparara ao a šišintšwego ao a bontšhitšwego Seswantšhong sa 1, a tla bewa ka gare ga mafelo a tokelo ya moepo ao a lego gona le ao a hirišitšwego a Lefelo la Moepo la Mogalakwena.



Seswantšho sa 1: Lefelo la mananeokgoparara le mešomo ye e šišintšwego

4. Tshepedišo ya Tekolo ya Motheo

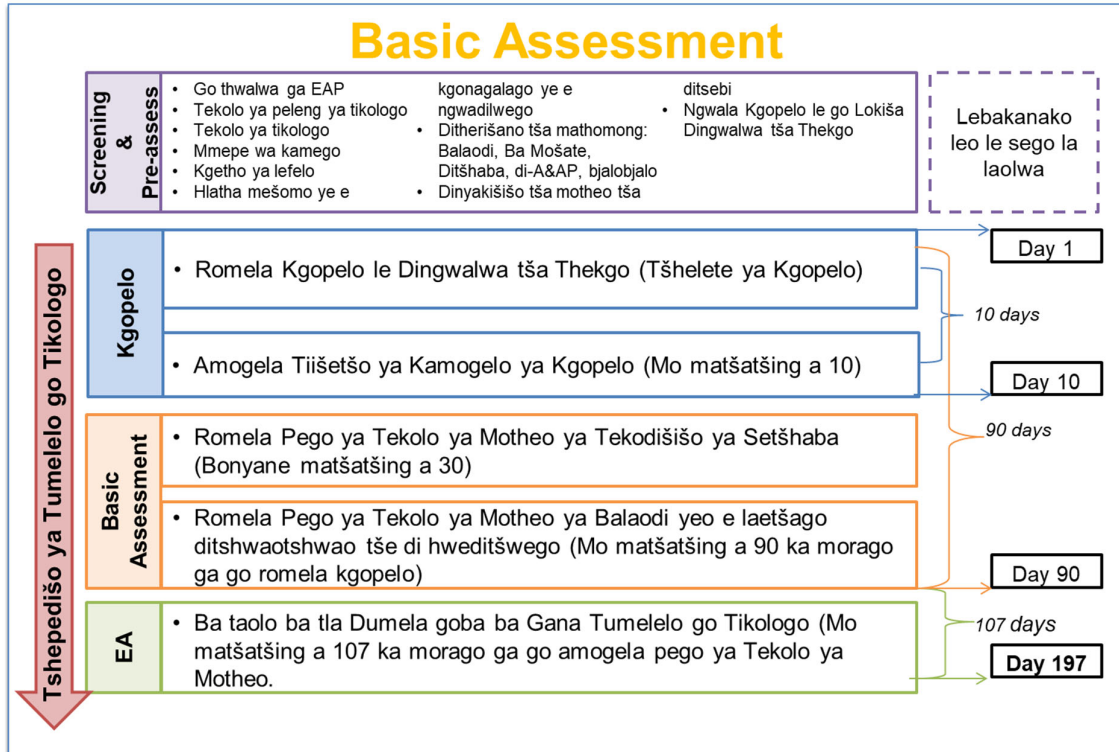
Pele ga ge lefelo la moepo la Mogalakwena le ka thoma ka tlhabollo ya mananeokgoparara afe goba afe a tlaleletšo, tshepedišo ya tumelelo go tikologo e swanetše go dirwa go latela Melawana ya Molao wa Taolo ya Tikologo (NEMA) EIA ya 2014, ka ge e fetošitšwe.

Mešomo ya NEMA ye e ngwadilwego, yeo e nyakago tshepedišo ya Tekolo ya Motheo, ye e amanago le protšeke ye ke:

- **Go Ngwala Tsebišo ya 1, Mošomo wa 27:** Go kgora lefelo la hekhara ye 1 goba go feta, eupša ya ka fase ga dihekhara tše 20 ya mehlare ya tlhago.

Kgopelo ya ditumelelo go tikologo go latela NEMA di tla romelwa go Kgoro ya Methopo ya Diminerale le Enetši ya Phrobentshe ya Limpopo (DMRE) go tla go lekodišišwa.

Tshepedišo ya tumelelo go tikologo ya Tekolo ya Motheo e bontšhitšwe ka go Seswantšho sa 2.



Seswantšho sa 2: Seswantšho sa Tshepedišo ya Tekolo ya Motheo

5. Tshepedišo ya go Kgatha tema ga Setšhaba

Bjalo ka karolo ye bohlokwa ya tshepedišo ya tumelelo go tikologo, SRK e tla dira tshepedišo ya go kgatha tema ga setšhaba go rerišana ka ga di-I&AP ka nepo ya go gfana ka tshedimošo mabapi le protšeke le tshepedišo tše di šišintšwego, le go ba fa sebaka sa go fa ditshwaotshwao. Tshepedišo ya go kgathatema ga setšhaba, yeo e tlogo dirwa bjalo ka karolo ya tshepedišo ya Tekolo ya Motheo, e filwe kakaretšo ka go Seswantšho sa 3 gomme e tla dirwa go latela dinyakwa tš Kgaolo ya 6 ya Melawana ya NEMA EIA, ka ge e fetošitšwe.

Ka nakong ya tshepedišo ya Tekolo ya Motheo, di-I&AP di tla hlathwa, protšeke e tla tsebišwa, gomme diabe tše di kgonagalago tša protšeke ye e šišintšwego di tla hlathwa le go lekolwa.

Ka morago ga go tsebišwa ga protšeke, Sethalwa sa Pego ya Tekolo ya Motheo (BAR) se tla hwetšagala gore setšhaba se fe ditshwaotshwao ka ga sona, mo lebakeng la nako la matšatši a 30 a khalentarta. Go tloga fao pego e tla mpshafatšwa go tsenya ditshwaotshwao go tšwa go di-I&AP, gomme BAR ya mafelelo ya romelwa go DMRE, yeo ka go rerišana le ba taolo ba banghwe bao ba fago ditshwaotshwao, e tlogo tšea sephetho ka ga tumelelo go tikologo ka ga protšeke ye e šišintšwego.

LEGATO LA BOITOKIŠETŠO BJA GO KGATHA TEMA GA SETŠHABA

Ngwala lenaneo la tshedimošo la protšeke la di-I&AP go ya ka tshedimošo ya bjale.
Hlatha di-I&AP tše diswa tše di kgonagalago (beng ba naga/badudi ba nageng, ditšhaba, magoši a maleba, mebasepala ya selegae ya maleba, makhanselara a diwate, bjalobjalo.).

LEGATO LA TSEBIŠO YA PROTŠEKE

Bapatša le go tsebiša protšeke go setšhaba ka kakaretšo
(ka papatšo, lengwalo la tshedimošo ya mathomong, le ditsebišo tša lefelong la mošomo).

SETHALWA SA PEGO YA TEKOLO YA MOTHEO

Sekaseka diabe tšeo di kgonagalago tša protšeke ye e šišintšwego ka ga seemo sa sebopego sa naga le sa setšo sa setšhaba. Phatlalatša Sethalwa sa Pego ya Tekolo ya Motheo gore setšhaba se fe ditshwaotshwao ka ga sona (bonyane matšatši a 30).
Mpshafatša BAR ka ditshwaotshwao tša batšeakarolo, go lokišetša go tla go romela go DMRE.

LEGATO LA GO TŠEA SEPHETHO

Romela Pego ya Mafelelo ya Tekolo ya Motheo go DMRE go tšeelwa sephetho (matšatši a 107).
Tsebiša Batšeakarolo ka ga sephetho sa Ba Taolo.

Seswantšho sa 3: Tshepedišo ya Tekolo ya Motheo**5.1 Taletšo ya go ingwadiša bjalo ka Motho yo a nago le Kgahlego le yo a Amegago (I&AP)**

O kgopelwa go lemoga gore o swanetše go ingwadiša bjalo ka I&AP go dula o tsebišitšwe ka ga mešomo ya protšeke le dibaka tše dingwe tša go fa ditshwaotshwao ka ga protšeke. Dingwalwa tše dingwe di tla thoma go hwetšagala ka nakong ya tshepedišo ya Tekolo ya Motheo. Ditshwaotshwao le ditšhišinyo tša gago ka ga taba efe goba efe ya protšeke ye e šišintšwego le tshepedišo ya tumelelo mafelelong di tla thuša ba taolo go tšea sephetho bna na le tshedimošo.

Di-I&AP di hlohletšwa go ingwadiša le go romela dipotšišo, ditshwaotshwao le ditšhišinyo ka go tlatša Foromo ya Boingwadišo le ya Ditshwaotshwao ye e mametleditšwego le go e bušetša go Kantoro ya ya SRK ya go Kgatha tema ga Setšhaba (dintlha di ka mo fase). Hlokomela gore batšeakarolo ba tla ba le sebaka se sengwe go tšwela pele sa go fa ditshwaotshwao ka ga protšeke ye ka nakong ya Tshepedišo ya Tekolo ya Motheo.

**Onalenna Tjale Kantorong ya SRK ya go kgatha tema ga Setšhaba, P O Box 55291
Northlands, 2116, Mogala: (011) 441 1245 Emeile: otjale@srk.co.za, Fekese 086-503-6825**

6. Magato ao a latelago ka go tshepedišo ya Tumelelo go Tikologo

Ka morago ga tsebišo ye ya protšeke ye e šišintšwego yeo e kopantšwego, Sethalwa sa Pego ya Tekolo ya Mlotheo se tla hwetšagala gore setšhaba se fe ditshwaotshwao ka ga sona ka Setemere le ka Oktoboro 2022. Ka nakong ye di-I&AP tše di ingwadišitšego di tla tsebišwa ka ga go hwetšagala ga pego gomme di tla fiwa sebaka sa go rerišana (ka emeile le/goba ka mogala) le dihlopha tša go rerišana le batšeakarolo le dihlopha tša protšeke go ahlahlala dikagare tša DBAR le go tšweletša ditshwaotshwao le dipelaelo mabapi le protšeke ye e šišintšwego. Re letetše go kgatha tema ga gago ka mo tshepedišong ye.

Wa lenay,

SRK Consulting (South Africa) (Pty) Ltd

SRK Consulting - Certified Electronic Signature

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Ashleigh Maritz

Mošomi wa Protšeke wa Tekolo ya Tikologo

NOTICE OF THE COMBINED BASIC ASSESSMENT PROCESS FOR SUPPORTING INFRASTRUCTURE AND ACTIVITIES AT MOGALAKWENA COMPLEX, LIMPOPO PROVINCE

AVAILABILITY OF BACKGROUND INFORMATION AND INVITATION TO REGISTER AS AN INTERESTED AND AFFECTED PARTY

Anglo American Platinum Limited, Rustenburg Platinum Mines Mogalakwena Complex is a wholly owned subsidiary of Anglo American Platinum Limited (AAP) and is situated approximately 30 km northwest of the town of Mokopane within the Mogalakwena Local Municipal Area, under the jurisdiction of the Waterberg District Municipality in the Limpopo Province of South Africa.

The proposed project will involve the following supporting infrastructure and activities:

- **Pre-Assembly Yard:** This area will be used to pre-assemble equipment and machinery which will be installed at the Mogalakwena Complex's Third Concentrator (M3C); and
- **Cable Repair Yard:** The cable repair yard will be used to repair and connect cables for use within the southern area of the Mogalakwena Complex.

The above-mentioned infrastructure and activities will be located within the Mogalakwena Complex's existing mining right and lease areas on the farms Zwartfontein 818 LR and Vaalkop 819LR.

The Mogalakwena Complex operates under several existing approved Environmental Management Programme Reports (EMPRs), Water Use Licences (WULs) and Waste Management Licences (WMLs) and comprises the following key infrastructure:

- Two ore processing plants (North and South Concentrators);
- Two tailings storage facilities (Vaalkop and Blinkwater);
- Five open pit mining areas; and
- Five main waste rock dumps.

Before the Mogalakwena Complex may commence with development of any of the additional infrastructure, certain environmental authorisations and amendments need to be undertaken in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) Environmental Impact Assessment (EIA) Regulations of 2014, as amended.

In terms of NEMA, the listed activity applicable to this project is:

- Listing Notice 1, Activity 27: The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation.

Stakeholders are hereby informed that AAP appointed SRK Consulting (South Africa) (Pty) Ltd (SRK) as an independent Environmental Assessment Practitioner to undertake the Basic Assessment and the associated Public Participation.

A Background Information Letter providing more information about the proposed project and the Basic Assessment process is available on the SRK Website (<https://www.srk.com/en/public-documents/basic-assessment-report-and-environmental-management-programme-for-a-cable-repair-yard-and-pre-assembly-yard-to-be-located-at-anglo-american-platinum-rustenburg-platinum-mines-mogalakwena-complex-1>), upon request via the SRK Public Participation Office (details below).

Should you have any questions or suggestion or wish to raise any issues of concern during this early stage of the environmental authorisation process, please register as an interested and affected party (I&AP). Registration as an I&AP is required for you to receive further communication regarding this project. To register, contact the SRK Public Participation Office via the details provided below.

Onalenna Tjale at the SRK Consulting Public Participation Office,

Mail: P O Box 55291 Northlands, 2116

Tel: (011) 441 1245

Fax 086-570-9581

Email: otjale@srk.co.za

TSEBIŠO KA GA TSHEPEDIŠO YE E KOPANTŠWEGO YA TEKOLO YA MOTHEO YA GO THEKGA MEŠOMO YA MANANEOKGOPARARA LE YE E AMANAGO LE YONA KA LEFELONG LA MOEPO LA MOGALAKWENA, KA PHROBENTSHENG YA LIMPOPO

GO HWETŠAGALA GA LENGWALO LA TSHEDIMOŠO YA MATHOMONG (BIL) LE TALETŠO YA GO INGWADIŠA BJALO KA MOTHO YO A NAGO LE KGALHEGO LE YO A AMEGAGO(I&AP)

Anglo American Platinum Limited, Lefelo la Moepo wa Mogalakwena la Meepo ya Pholathinamo ya ka Rustenburg ke karolo ya ka fasana ye e lego ya Anglo American Platinum Limited (AAP) gomme lona le dikhilometara tše di ka bago tše 30 ka leboabodikela la toropo ya Mokopane ka gare ga Lefelo la Masepala wa Selegae la Mogalakwena, ka fase ga bolaodi bja Masepala wa Selete wa Waterberg ka Phrobentsheng ya Limpopo ka Afrika Borwa.

Protšeke ye e šišintšwego e tla akaretša mananeokgoparara le mešomo ye e latelago ye e e thekgago:

- **Jarata ya Poloko ya Ditlabele pele di dirišwa:** Lefelo le le tla šomišwa go kgoboketša ditlabele le metšhene pele ga ge e ka hlongwa ka Lefelong la Moepo wa Mogalakwena la go Šoma Dirafša la Boraro (M3C); le
- **Jarata ya go Lokiša Mathale:** Jarata ya go lokiša mathale e tla šomišwa go lokiša le go kgokaganya mathale ao a tlogo šomišwa ka Lefelong la Moepo wa Mogalakwena.

Mananeokgoparara le mešomo ye go boletšwego ka yona ka mo godimo a tla ba ka gare ga Lefelo la tokelo ya moepo la Mogalakwena le ka mafelong ao a hirišitšwego ka dipolaseng tša Zwartfontein 818 LR le Vaalkop 819LR.

Lefelo la Moepo wa Mogalakwena le šoma ka fase ga Dipego tše mmalwa tše o diumeletšwego tša Lenaneo la Taolo ya Tikologo (di-EMPr), Laesentshe ya Tšhomišo ya Meetse (WUL) le Dilaesentshe tša Taolo ya Ditlakala (di-WML) ebile le na le mananeokgoparara ao a latelago a bohlokwa:

- Dipholante tše pedi tša go šoma borale (Lefelo la go šoma Dirafša la ka Leboa le ka Borwa);
- Mafelo a mabedi a go boloka mašaledi a moepong (Vaalkop le Blinkwater);
- Mafelo a mahlano a meepo ye e bulegilego; le
- Mafelo a mahlano a go tšhela maswika ao a lahlilwego.

Pele ga ge lefelo la moepo la Mogalakwena le ka thoma ka tihabollo ya mananeokgoparara afe goba afe a tlaleletšo, tšhepedišo ya tumelelo gho tikologo e swanetše go dirwa go latela Molao wa Taolo ya Tikologo wa Bosetšhaba (Molao wa Nomoro ya 107 wa 1998) (NEMA), Molao ya Tekolo ya Seabe go Tikologo (EIA) ya 2014, ka ge e fetošitšwe.

Go ya ka NEMA mošomo wo o ngwadilwego, wo o nyakago Tšhepedišo ya Tekolo ya Motheo, ye e amanago le protšeke ye ke:

- Go Ngwala Tsebišo ya 1, Mošomo wa 27: Go kgora lefelo la hekhara ye 1 goba go feta, eupša ya ka fase ga dihekthara tše 20 ya mehlare ya tlhago.

Batšeakarolo ba tsebišwa gore AAP e thwetše SRK Consulting (South Africa) (Pty) Ltd (SRK) bjalo ka Mošomi yo a Ikemego wa Tekolo ya Tikologo (EAP) go dira Tekolo ya Motheo le Go Kgatha tema ga Setšhaba mo go Amegago.

Lengwalo la Tshedimošo ya Mathomong leo le fanago ka tshedimošo ka botlalo ka ga protšeke ye e šišintšwego le tšhepedišo ya Tekolo ya Motheo le a hwetšagala Wepsaeteng ya SRK (<https://www.srk.com/en/public-documents/basic-assessment-report-and-environmental-management-programme-for-a-cable-repair-yard-and-pre-assembly-yard-to-be-located-at-anglo-american-platinum-rustenburg-platinum-mines-mogalakwena-complex-1>), ge le kgopelwa ka Kantorong ya go Kgatha tema ga Setšhaba ya SRK (dintlha di ka mo fase).

Ge o ka ba le dipotšišo goba ditšhišinyo dife goba dife goba o nyaka go tšweletša taba efe goba efe ye e belaešago mo legatong la ka pela la tšhepedišo ya tumelelo go tikologo, o kgopelwa go ingwadiša bjalo ka motho yo a nago le kgahlego le yo a amegilego (I&AP). Go ingwadiša bjalo ka I&AP go a nyakega gore o hwetše kgokagano go tšwela pele mabapi le protšeke ye. Go ingwadiša, ikgokaganye le Kantoro ya go Kgatha tema ga Setšhaba ya SRK mo go dintlha tše di filwego ka mo fase.

Onalenna Tjale Kantorong ya SRK ya Go Kgatha tema ga Setšhaba,

Poso: P O Box 55291 Northlands, 2116

Mogala: (011) 441 1245

Fekese 086-230-1462

Emeile: otjale@srk.co.za



COMMENTS AND RESPONSES DURING PROJECT ANNOUNCEMENT PHASE

Comments, Issues, suggestions raised by stakeholders	Stakeholder name	Organisation/Community	Date	Source of comment (meeting / written / telephonic)	Response by SRK and MM Project team	Reference in the Draft EIA/EMPr Report
No specific comments on the project were received. Several I&APs called SRK to be registered on the Mogalakwena database. SRK updated the database with the additional I&APs.						

COMMENTS AND RESPONSES DURING DRAFT BAR PHASE

Comments, Issues, suggestions raised by stakeholders	Stakeholder name	Organisation/Community	Date	Source of comment (meeting / written / telephonic)	Response by SRK and MM Project team	Reference in the Draft EIA/EMPr Report
No specific comments on the project were received. Several I&APs called SRK to be registered on the Mogalakwena database. SRK updated the database with the additional I&APs.						



The learners interact with the animals.



Teachers and learners from MEPS donate food to the SPCA.

MEPS donates to SPCA

Lizette Venter

MOKOPANE English Primary School recently visited the Percy Fyfe Society for the Prevention of Cruelty to Animals (SPCA) outside town as part of their outreach project.

Each learner had the opportunity to donate food that would contribute towards the feeding of the animals at the SPCA.

School communicator Charmaine

Neethling confirmed the team of 19 learners along with their teachers, Lizanne Lensley and Lara Forssman, collected and donated over a hundred items.

"Our learners enjoyed the time at the animal shelter as they had an opportunity to cuddle and interact with the animals," the teachers said. The school thanked the parents for their contribution because, as they say, 'a good deed brightens a dark world.'



The learners from MEPS enjoy a day with the goats at the SPCA.

NOTICE OF THE COMBINED BASIC ASSESSMENT PROCESS FOR SUPPORTING INFRASTRUCTURE AND ACTIVITIES AT MOGALAKWENA COMPLEX, LIMPOPO PROVINCE

AVAILABILITY OF BACKGROUND INFORMATION AND INVITATION TO REGISTER AS AN INTERESTED AND AFFECTED PARTY

Anglo American Platinum Limited, Rustenburg Platinum Mines Mogalakwena Complex is a wholly owned subsidiary of Anglo American Platinum Limited (AAP) and is situated approximately 30 km northwest of the town of Mokopane within the Mogalakwena Local Municipal Area, under the jurisdiction of the Waterberg District Municipality in the Limpopo Province of South Africa.

The proposed project will involve the following supporting infrastructure and activities:

- **Pre-Assembly Yard:** This area will be used to pre-assemble equipment and machinery which will be installed at the Mogalakwena Complex's Third Concentrator (M3C); and
- **Cable Repair Yard:** The cable repair yard will be used to repair and connect cables for use within the southern area of the Mogalakwena Complex.

The above-mentioned infrastructure and activities will be located within the Mogalakwena Complex's existing mining right and lease areas on the farms Zwartfontein 818 LR and Vaalkop 819LR.

The Mogalakwena Complex operates under several existing approved Environmental Management Programme Reports (EMPRs), Water Use Licences (WULs) and Waste Management Licences (WMLs) and comprises the following key infrastructure:

- Two ore processing plants (North and South Concentrators);
- Two tailings storage facilities (Vaalkop and Blinkwater);
- Five open pit mining areas; and
- Five main waste rock dumps.

Before the Mogalakwena Complex may commence with development of any of the additional infrastructure, certain environmental authorisations and amendments need to be undertaken in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) Environmental Impact Assessment (EIA) Regulations of 2014, as amended.

In terms of NEMA, the listed activity applicable to this project is:

- Listing Notice 1, Activity 27: The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation.

Stakeholders are hereby informed that AAP appointed SRK Consulting (South Africa) (Pty) Ltd (SRK) as an independent Environmental Assessment Practitioner to undertake the Basic Assessment and the associated Public Participation.

A Background Information Letter providing more information about the proposed project and the Basic Assessment process is available on the SRK Website (<https://www.srk.com/en/public-documents/basic-assessment-report-and-environmental-management-programme-for-a-cable-repair-yard-and-pre-assembly-yard-to-be-located-at-anglo-american-platinum-rustenburg-platinum-mines-mogalakwena-complex-l>).

Should you have any questions or suggestion or wish to raise any issues of concern during this early stage of the environmental authorisation process, please register as an Interested and Affected Party (I&AP). Registration as an I&AP is required for you to receive further communication regarding this project. To register, contact the SRK Public Participation Office via the details provided below.

Onalenna Tjale at the SRK Consulting Public Participation Office,
Mail: P.O. Box 55291 Northlands, 2116
Tel: 011 441 1245
Fax: 086 570 9581
Email: otjale@srk.co.za



TSEBIŠO KA GA TSHEPEDIŠO YE E KOPANTŠWEGO YA TEKOLU YA MOTHEO YA GO THEKGA MEŠOMO YA MANANEOKGOPARARA LE YE E AMANAGO LE YONA KA LEFELONG LA MOEPO LA MOGALAKWENA, KA PHROBENTSHENG YA LIMPOPO

GO HWETŠAGALA GA LENGWALO LA TSHEDIMOŠO YA MATHOMONG (BIL) LE TALETŠO YA GO INGWADIŠA BJALO KA MOTHU YO A NAGO LE KGALHEGO LE YO A AMEGAGO(I&AP)

Anglo American Platinum Limited, Lefelo la Moepo wa Mogalakwena la Meepo ya Pholathinamo ya ka Rustenburg ke karolo ya ka fasana ye e lego ya Anglo American Platinum Limited (AAP) gomme lona le dikhilometara tše di ka bago tše 30 ka leboabodikela la toropo ya Mokopane ka gare ga Lefelo la Masepala wa Selegae la Mogalakwena, ka fase ga bolaodi bja Masepala wa Selete wa Waterberg ka Phrobentsheng ya Limpopo ka Afrika Borwa.

Protšeke ye e šišintšwego e tla akaretša mananeokgoparara le mešomo ye e latelago ye e thekgago:

- **Jarata ya Poloko ya Ditabelo pele di dirišwa:** Lefelo le le tla šomišwa go kgoboketša ditabelo le metšhene pele ga ge e ka hlongwa ka Lefelong la Moepo wa Mogalakwena la go Šoma Dirafša la Boraro (M3C); le
- **Jarata ya go Lokiša Mathale:** Jarata ya go lokiša mathale e tla šomišwa go lokiša le go kgokaganya mathale ao a tlogo šomišwa ka Lefelong la Moepo wa Mogalakwena.

Mananeokgoparara le mešomo ye go boletšwego ka yona ka mo godimo a tla ba ka gare ga Lefelo la tokelo ya moepo la Mogalakwena le ka mafelong ao a hirišitšwego ka dipolaseng tša Zwartfontein 818 LR le Vaalkop 819LR.

Lefelo la Moepo wa Mogalakwena le šoma ka fase ga Dipego tše mmalwa tše di dumeletšwego tša Lenaneo la Taolo ya Tikologo (di-EMPr), Laesentshe ya Tšhomišo ya Meetse (WUL) le Dilaesentshe tša Taolo ya Ditlakala (di-WML) ebile le na le mananeokgoparara ao a latelago a bohlokwa:

- Dipholante tše pedi tša go šoma borale (Lefelo la go šoma Dirafša la ka Leboa le ka Borwa);
- Mafelo a mabedi a go boloka mašaledi a moepo (Vaalkop le Blinkwater);
- Mafelo a mahlano a meepo ye e bulegilego; le
- Mafelo a mahlano a go tšhela maswika ao a lahliwego.

Pele ga ge lefelo la moepo la Mogalakwena le ka thoma ka tšhabollo ya mananeokgoparara afe goba afe a tlaletšo, tšhepedišo ya tumelelo gho tikologo e swanetše go dirwa go latela Molao wa Taolo ya Tikologo wa Bosetšhaba (Molao wa Nomoro ya 107 wa 1998) (NEMA), Molao ya Tekolo ya Seabe go Tikologo (EIA) ya 2014, ka ge e fetošitšwe.

Go ya ka NEMA mošomo wo o ngwadilwego, wo o nyakago Tshepedišo ya Tekolo ya Motheo, ye e amanago le protšeke ye ke:

- Go Ngwala Tsebišo ya 1, Mošomo wa 27: Go kgora lefelo la hekhara ye 1 goba go feta, eupša ya ka fase ga dihekhara tše 20 ya mehlare ya tšhago.

Batšeakarolo ba tsebišwa gore AAP e thwetše SRK Consulting (South Africa) (Pty) Ltd (SRK) bjalo ka Mošomi yo a Ikemego wa Tekolo ya Tikologo (EAP) go dira Tekolo ya Motheo le Go Kgatha tema ga Setšhaba mo go Amegago.

Lengwalo la Tshedimošo ya Mathomong leo le fanago ka tshedimošo ka bottlalo ka ga protšeke ye e šišintšwego le tšhepedišo ya Tekolo ya Motheo le a hwetšagala Wepsaeteng ya SRK (<https://www.srk.com/en/public-documents/basic-assessment-report-and-environmental-management-programme-for-a-cable-repair-yard-and-pre-assembly-yard-to-be-located-at-anglo-american-platinum-rustenburg-platinum-mines-mogalakwena-complex-l>), ge le kgopelwa ka Kantorong ya go Kgatha tema ga Setšhaba ya SRK (dintlha di ka mo fase).

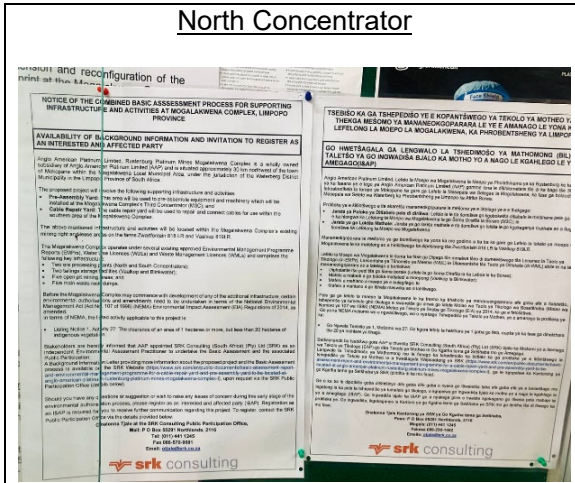
Ge o ka ba le dipotšišo goba ditšhišinyo dife goba dife goba o nyaka go tšweletša taba efe goba efe ye e belatšago mo legatong la ka pela la tšhepedišo ya tumelelo go tikologo, o kgopelwa go ingwadiša bjalo ka mothu yo a nago le kgahlego le yo a amegilego (I&AP). Go ingwadiša bjalo ka I&AP go a nyakega gore o hwetše kgokagano go tšwela pele mabapi le protšeke ye. Go ingwadiša, ikgokaganye le Kantorong ya go Kgatha tema ga Setšhaba ya SRK mo go dintlha tše di filwego ka mo fase. Onalenna Tjale Kantorong ya SRK ya Go Kgatha tema ga Setšhaba,

Poso: P.O. Box 55291 Northlands, 2116
Mogala: 011 441 1245
Fekese: 086 230 1462
Emeile: otjale@srk.co.za

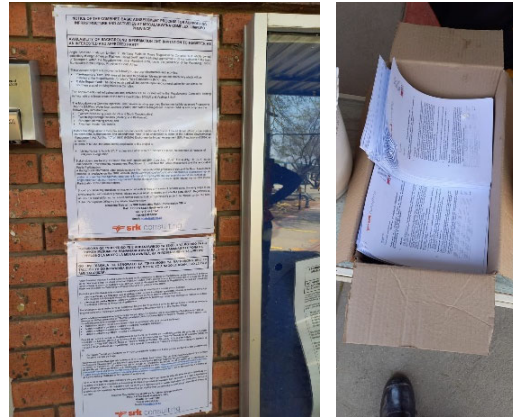


Project Announcement – placement of site notices and Background Information Letters on 21 October 2022

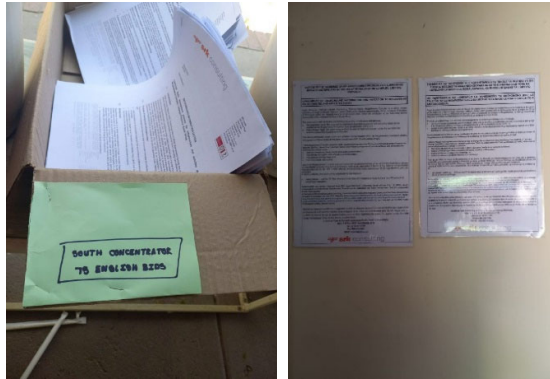
North Concentrator



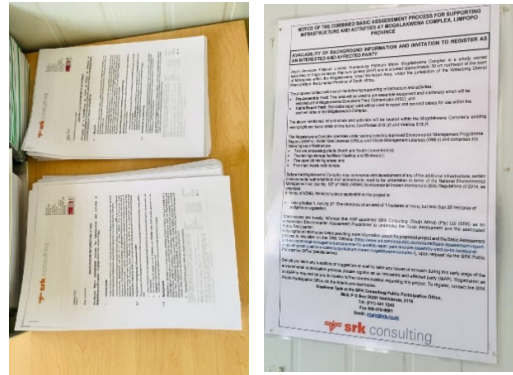
South Concentrator



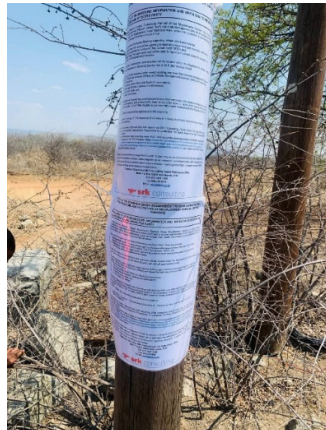
Social Performance Team Office



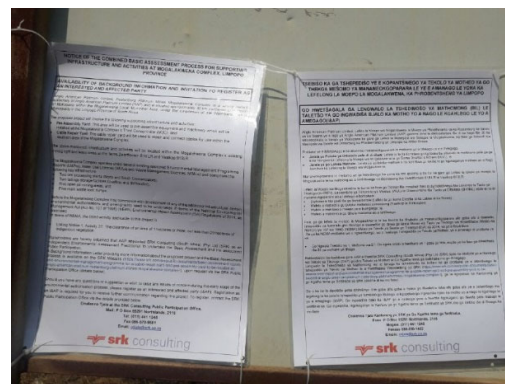
Mapela Traditional Authority Offices



Proposed Pre-assembly yard area

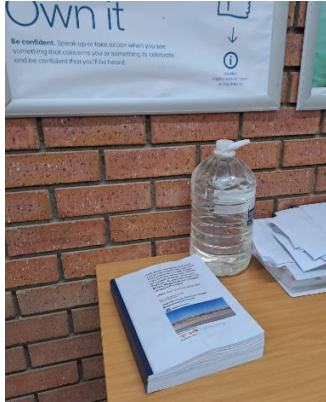


Proposed Cable Yard area



Draft Basic Assessment Availability – placement of Draft BAR for 30 day public review on 2 November 2022

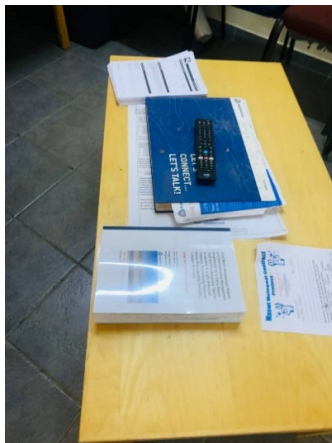
North Concentrator



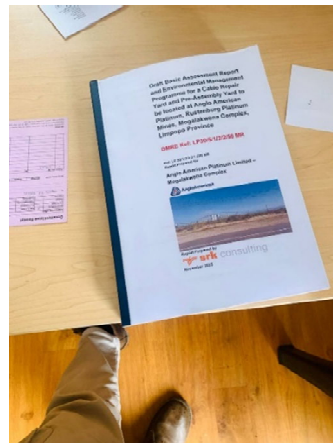
South Concentrator



Social Performance Team Office



Mapela Traditional Authority Offices



Appendix D: DFFE National Screening Tool

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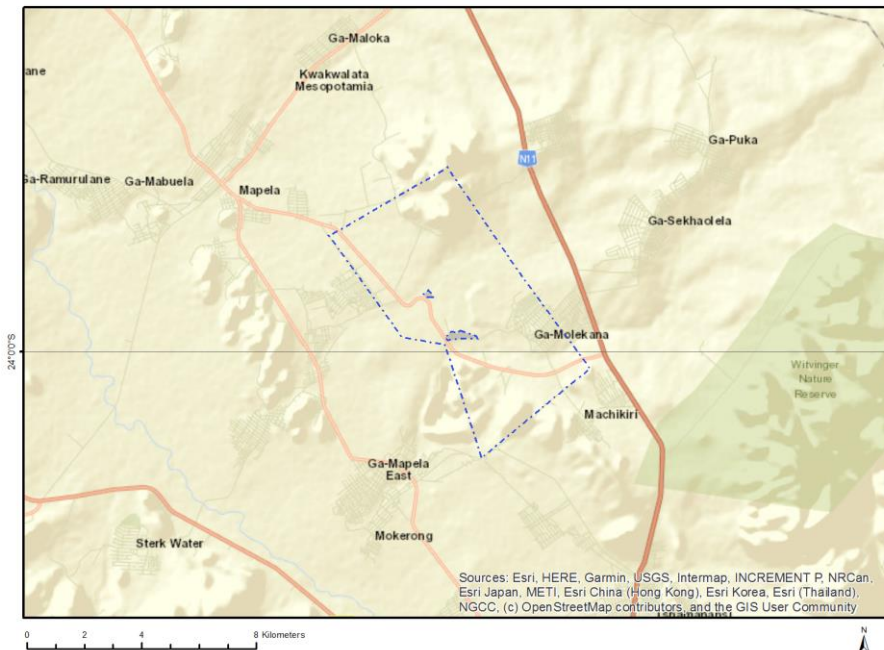
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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	VAALKOP	819	0	24°0'6.76S	28°55'52.44E	Farm
2	ZWARTFONTEIN	818	0	23°58'18.19S	28°54'22.12E	Farm
3	VAALKOP	819	1	23°59'24.71S	28°56'13.34E	Farm Portion
4	ZWARTFONTEIN	818	0	23°58'18.19S	28°54'22.12E	Farm Portion
5	VAALKOP	819	2	23°59'52.88S	28°56'26.65E	Farm Portion
6	ZWARTFONTEIN	818	3	23°59'3.61S	28°53'37.79E	Farm Portion
7	VAALKOP	819	0	24°0'6.76S	28°55'52.44E	Farm Portion
8	ZWARTFONTEIN	818	0	23°58'18.19S	28°54'22.12E	Farm Portion

Development footprint¹ vertices:

Footprint	Latitude	Longitude
1	23°59'48.51S	28°54'48.04E
1	23°59'45.49S	28°54'45.71E
1	23°59'42.83S	28°54'49.55E
1	23°59'41.52S	28°54'50.3E
1	23°59'39.73S	28°54'52.35E
1	23°59'41.32S	28°54'59.7E
1	23°59'38.33S	28°55'1.86E

¹ "development footprint", means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

1	23°59'44.28S	28°55'20.27E
1	23°59'46.99S	28°55'21.83E
1	23°59'46.53S	28°55'9.21E
1	23°59'46.71S	28°55'7.55E
1	23°59'48.51S	28°54'48.04E
2	23°58'56.67S	28°54'26.8E
2	23°59'0.44S	28°54'29.65E
2	23°59'3.18S	28°54'31.69E
2	23°59'3.77S	28°54'31.91E
2	23°59'4.01S	28°54'30.85E
2	23°59'4.24S	28°54'25.59E
2	23°59'4.23S	28°54'25.19E
2	23°59'3.99S	28°54'23.98E
2	23°59'3.45S	28°54'22.99E
2	23°59'1.49S	28°54'20.76E
2	23°59'1.12S	28°54'20.76E
2	23°58'56.67S	28°54'26.8E

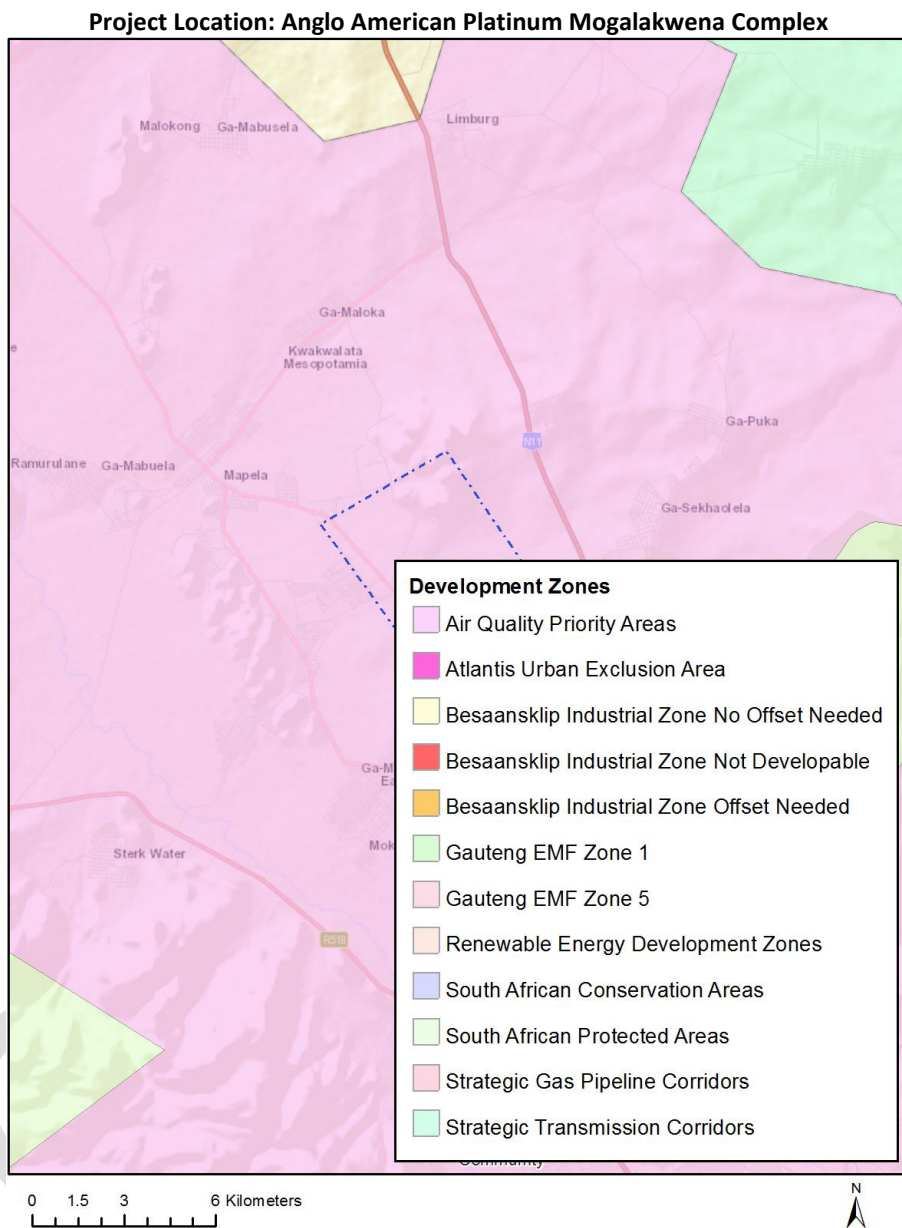
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	14/12/16/3/3/1/634	Solar PV	Approved	19.5
2	12/12/20/2352	Solar PV	Approved	22

Incentive, restriction or prohibition	Implication
Air Quality-Waterberg-Bojanala Priority Area	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/gg39489_nn1207a.pdf

OFFICIAL

Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones



Proposed Development Area Environmental Sensitivity

The following summary of the development footprint environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme			X	
Animal Species Theme			X	

Aquatic Biodiversity Theme				X
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme		X		
Defence Theme			X	
Paleontology Theme	X			
Plant Species Theme				X
Terrestrial Biodiversity Theme	X			

Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the footprint situation.

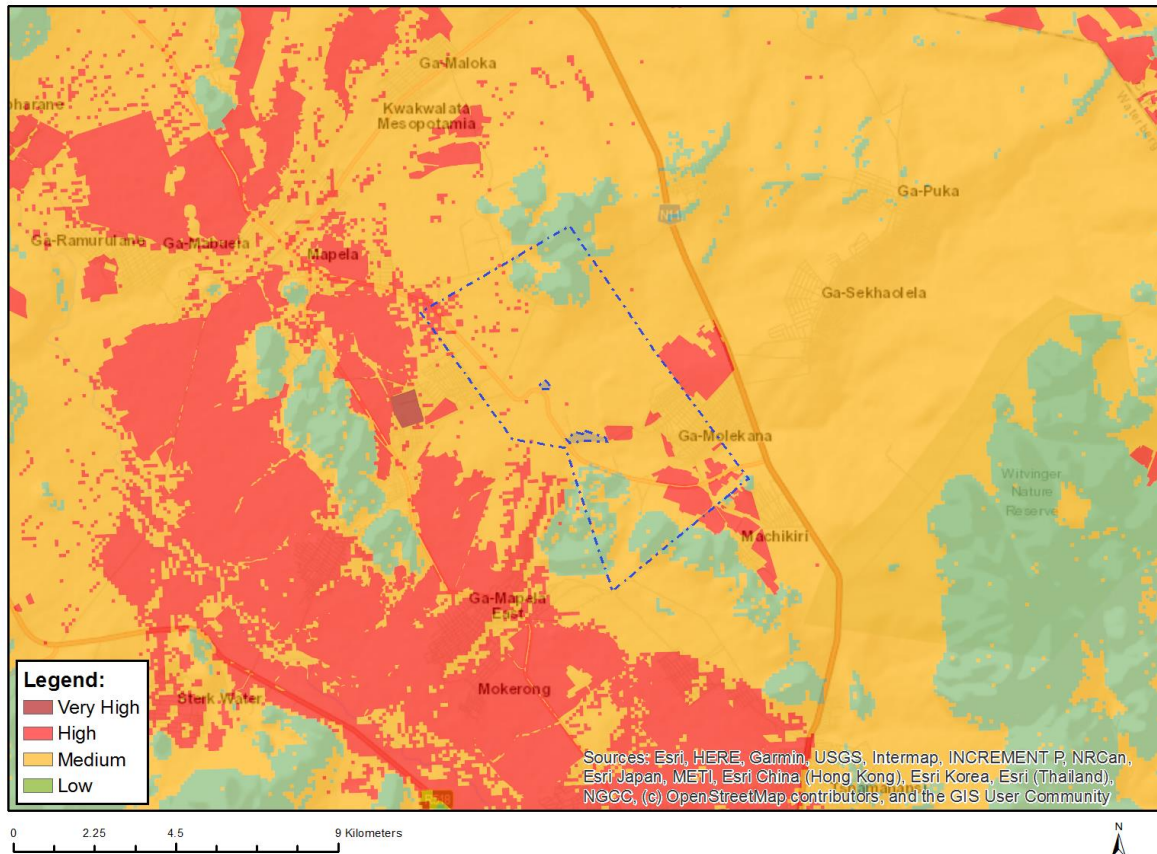
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
5	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
6	Hydrology Assess	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf

	ment	
7	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf
8	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
9	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
13	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
14	Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
15	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
16	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed footprint for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

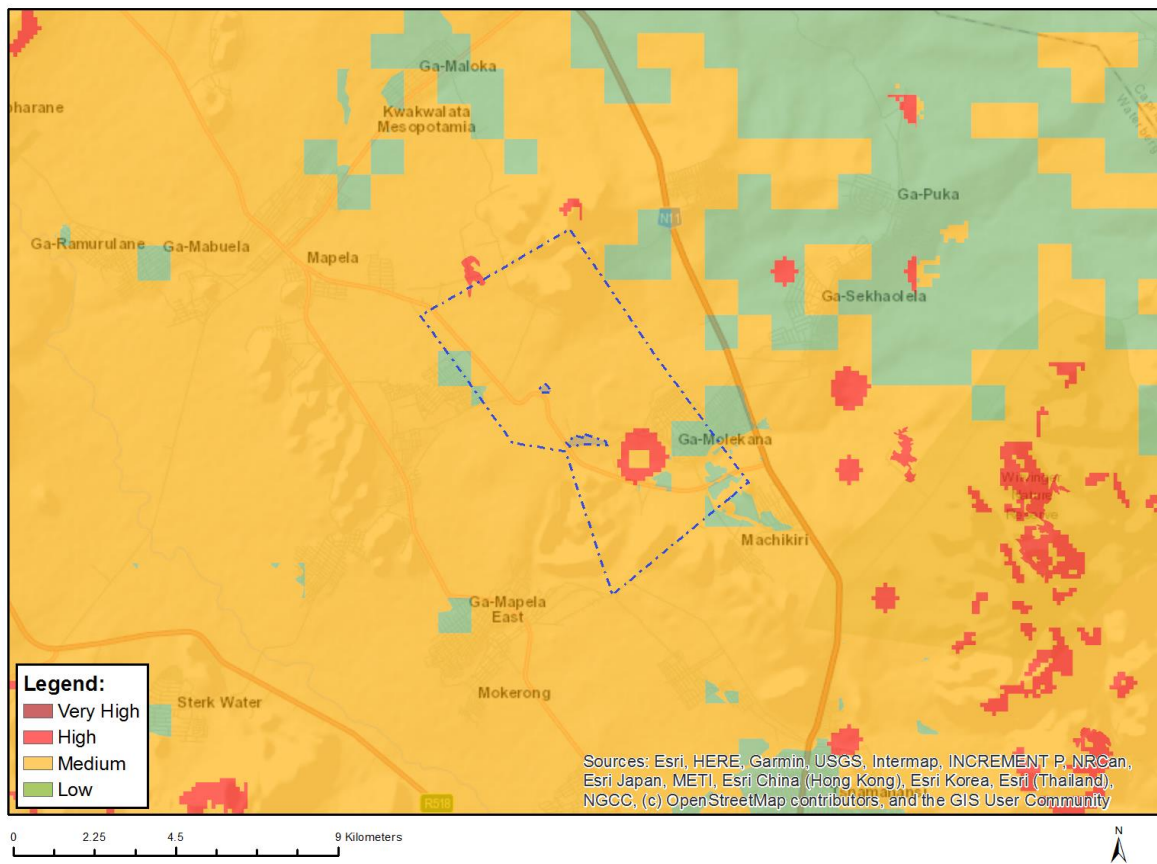


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



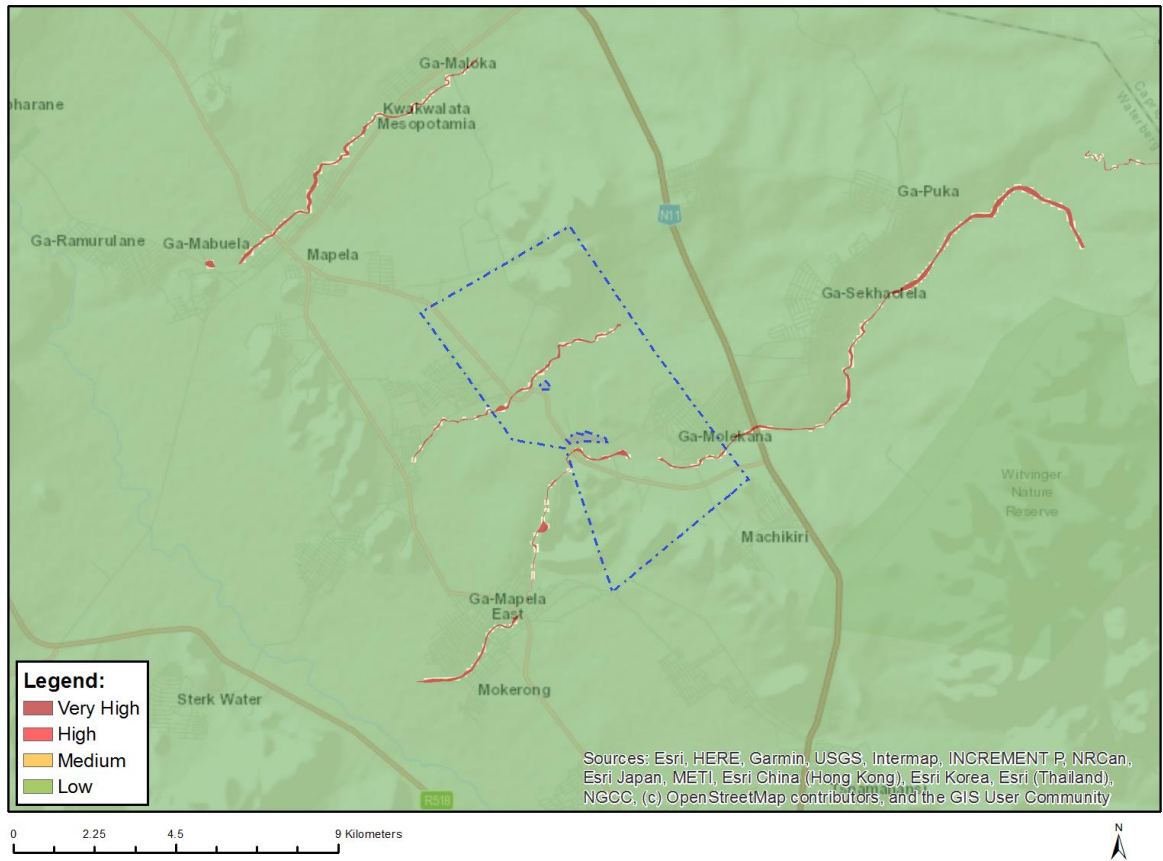
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Mammalia-Crocidura maquassiensis
Medium	Mammalia-Dasymys robertsii

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

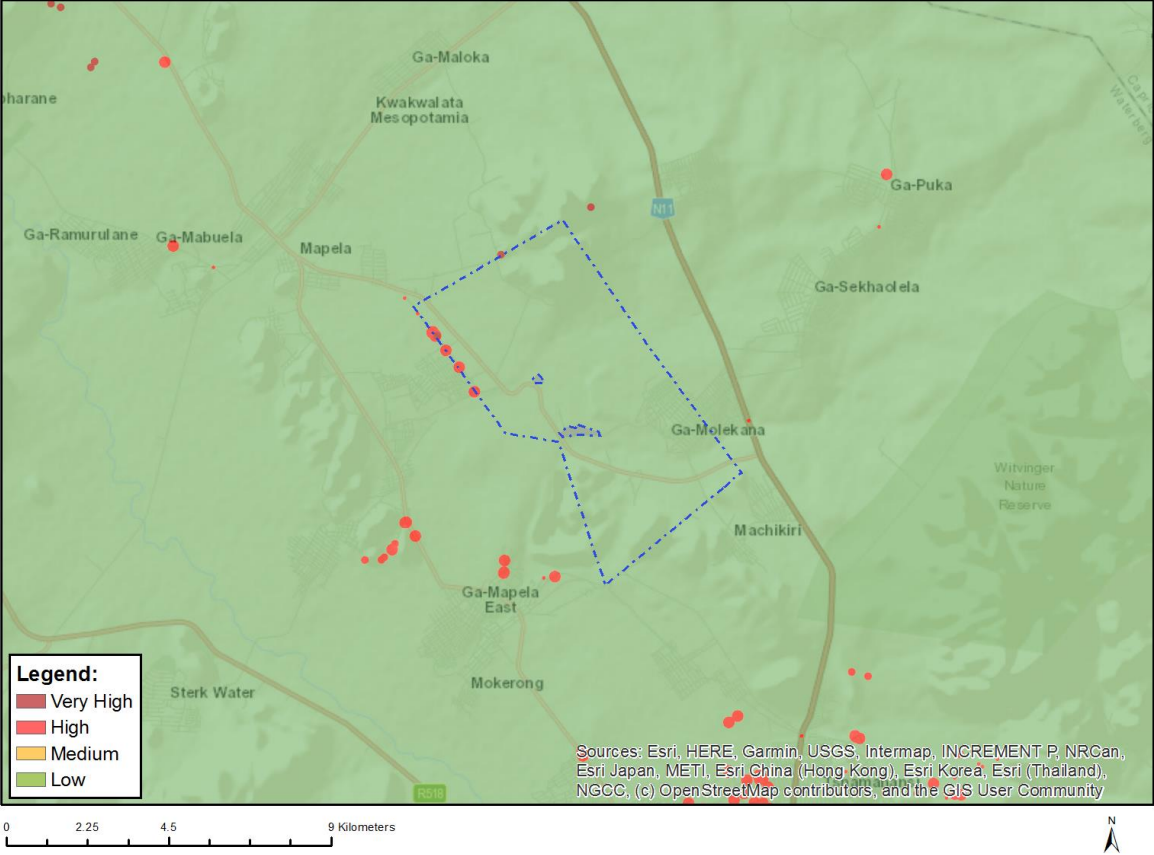


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

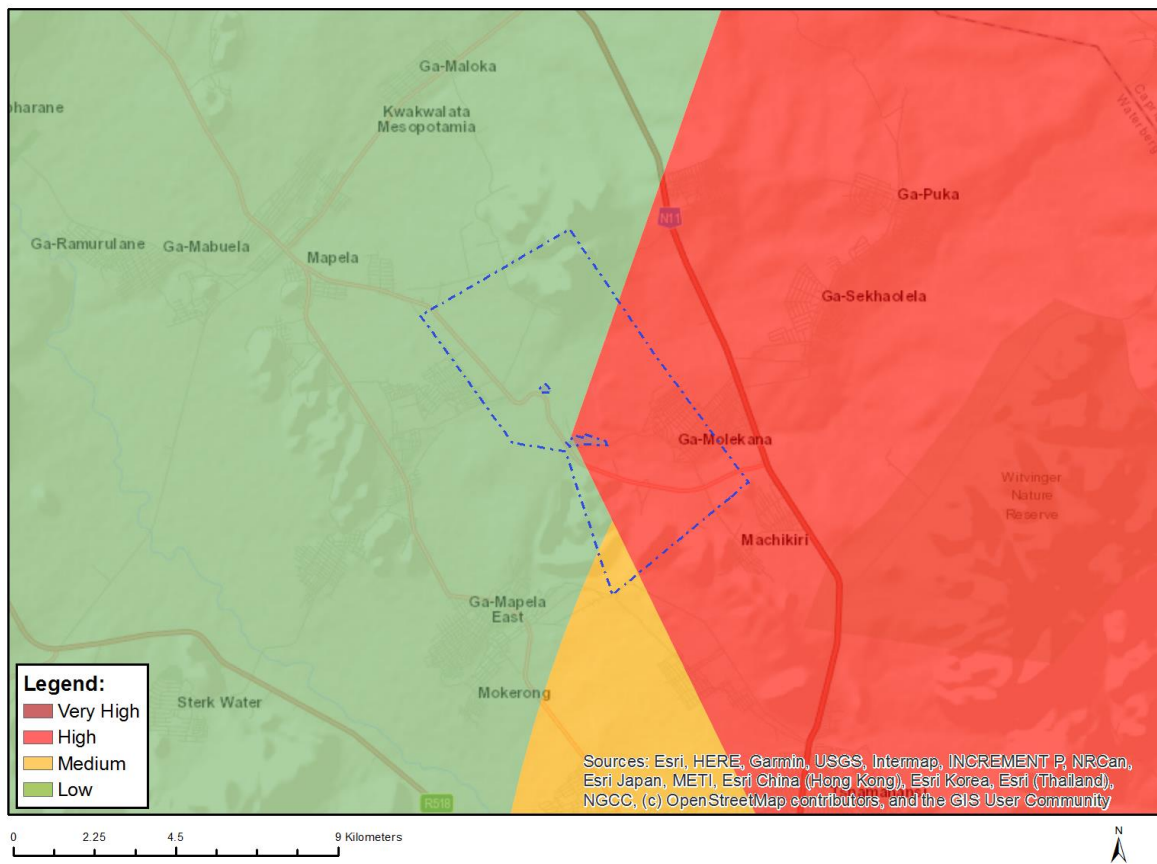


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

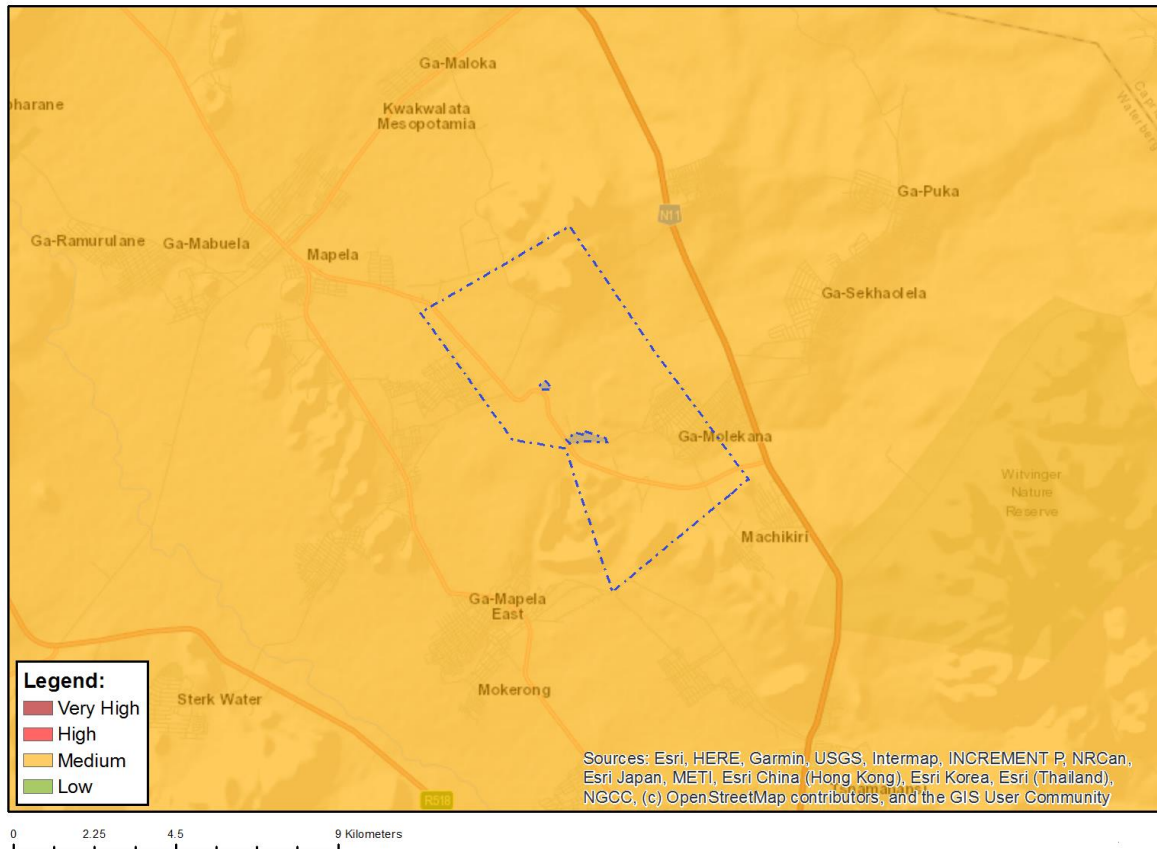


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Dangerous and restricted airspace as demarcated
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

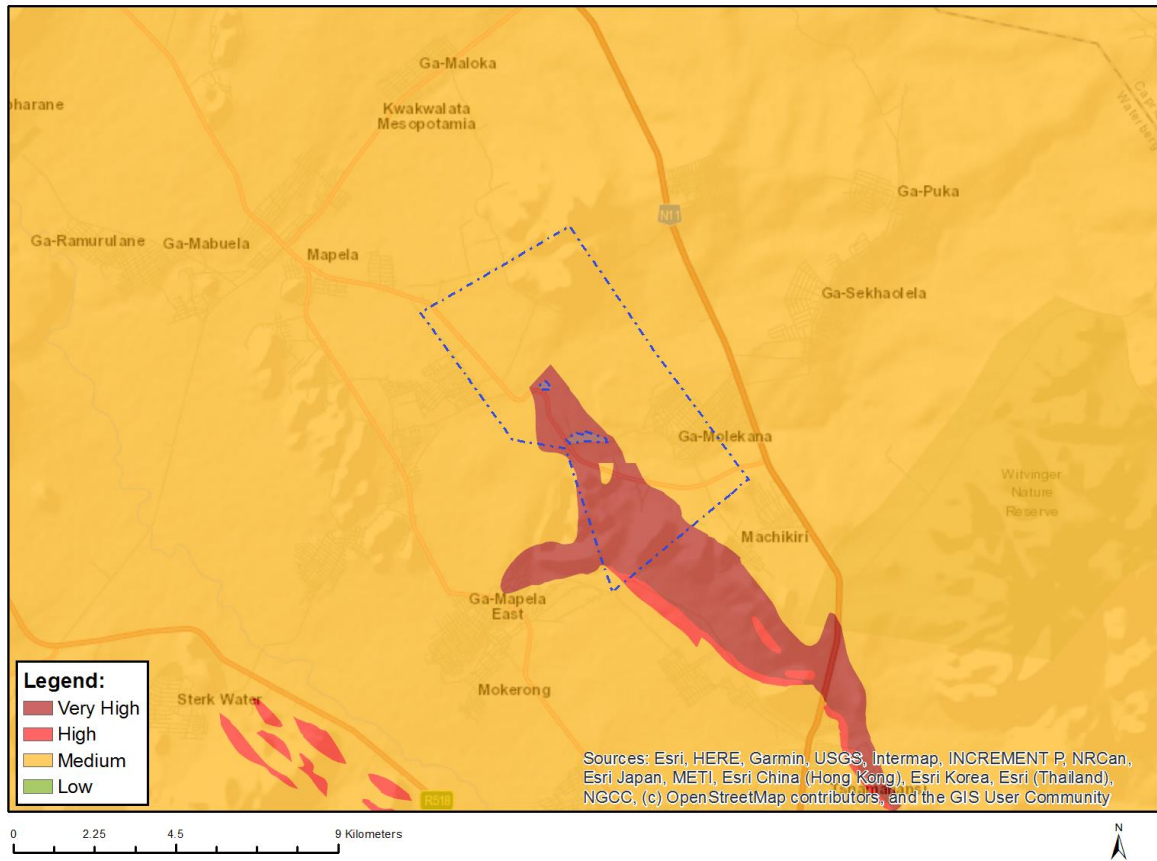


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Military and Defence Site

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

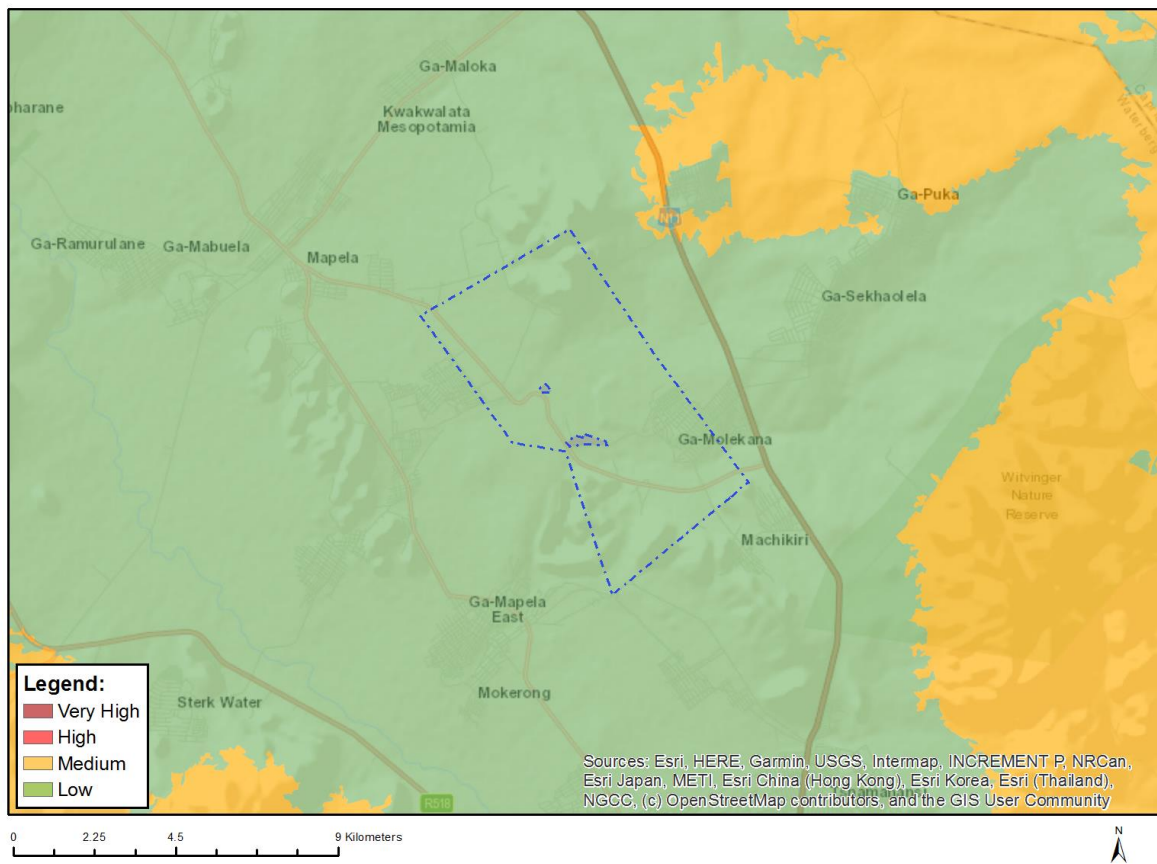


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Features with a Medium paleontological sensitivity
Very High	Features with a Very High paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



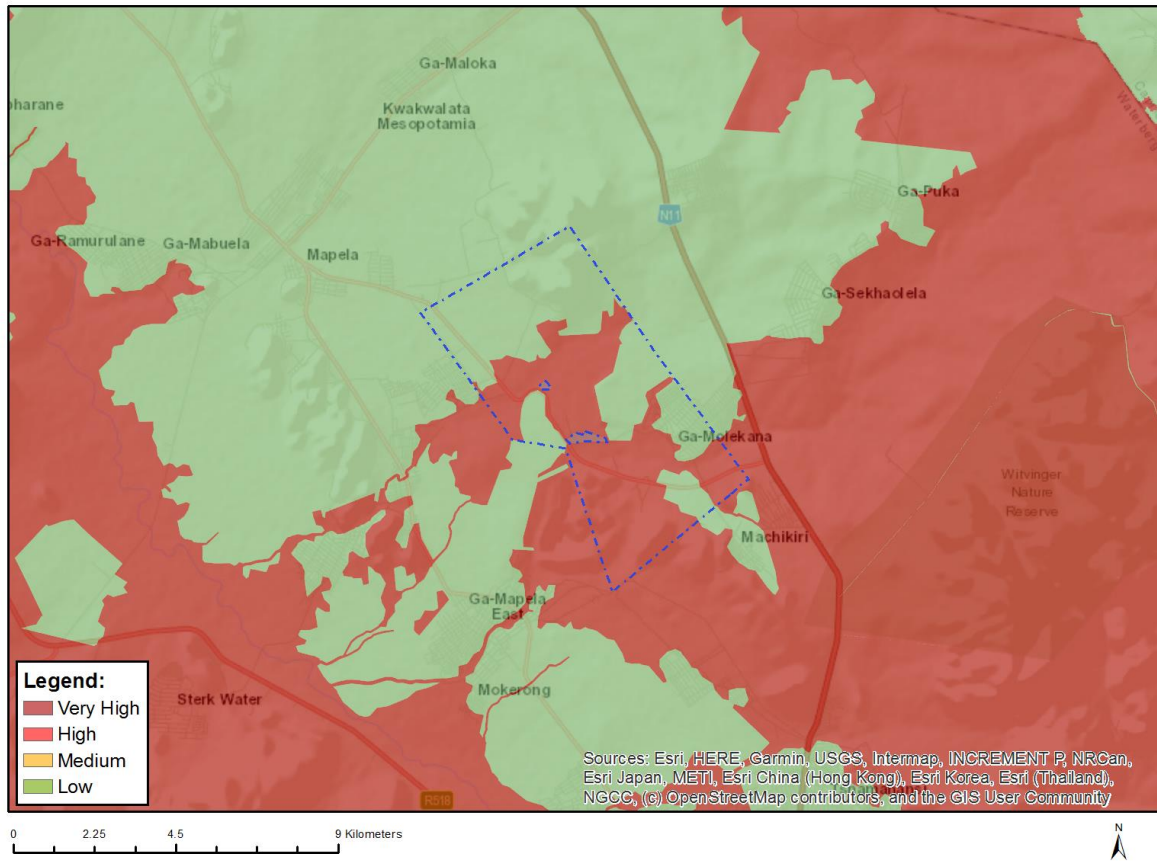
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at aiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Critical biodiversity area 1