

**BASIC ASSESSMENT REPORT  
And  
ENVIRONMENTAL MANAGEMENT PROGRAMME  
REPORT**

2021

PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD FOR  
COPPER, TIN ORE AND TUNGSTEN RESOURCES ON FARM RIETFONTEIN 446 JR,  
MAGISTERIAL DISTRICT OF BRONKHORSTSPRUIT/MKOBELA, MPUMALANGA  
PROVINCE.

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**COMPILED FOR:**



**mineral resources  
& energy**

Department:  
Mineral Resources and Energy  
**REPUBLIC OF SOUTH AFRICA**

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**DMRE REF: MP/30/5/1/1/2/ (15853) PR**

## Table of Contents

3.1	SCOPE OF ASSESSMENT AND BASIC ASSESSMENT REPORT .....	10
1	Contact Person and correspondence address .....	10
Name	: TR Engineering Projects (Pty) Ltd .....	10
2	Location of the overall Activity.....	12
2.1	Locality map.....	12
2.2	Description of the scope of the proposed overall activity.....	14
2.3	Listed and specified activities .....	17
2.4	Description of the activities to be undertaken .....	17
2.1	Phase 1 – Desktop Study - Analysis of Existing Data GIS & analytical desktop studies Surveys.....	18
2.2	Phase 2 – Aerial and Ground Geophysics, Multi-Spectral AND Aerial Surveys .....	18
2.3	Phase 3 –Drilling and Reconnaissance Resource Generation .....	18
2.4	Phase 4 – - Resource drilling, Sampling and Analysis, Resource Estimation and Prefeasibility Study .....	19
2.5	Phase 5- Feasibility Study .....	19
2.6	Policy and Legislative Context.....	20
2.7	Need and desirability of the proposed activities.....	21
2.8	Motivation for the overall preferred site, activities and technology alternative. ....	22
2.9	Full description of the process followed to reach the proposed preferred alternatives within the site.....	23
2.10	Details of the development footprint alternatives considered.....	23
2.10.1	The property on which or location where it is proposed to undertake the activity 23	
2.10.2	The type of activity to be undertaken .....	24
2.10.3	The design or layout of the activity .....	25
2.10.4	The technology to be used in the activity .....	26
2.10.5	The operational aspects of the activity .....	26
2.10.6	The option of not implementing the activity .....	26
2.11	Details of the Public Participation Process Followed.....	27
2.11.1	Regulatory Framework .....	27
2.11.2	Landowner Identification and Notification .....	27
2.11.3	Notification of Stakeholders (incl. Interested & Affected Parties) .....	27
2.12	Summary of issues raised by I&Aps .....	35

3	The Environmental attributes associated with the alternatives.(The environmental attributed described must include socio-economic, social, heritage, cultural, geographical, physical and biological aspects).....	43
3.1	Topography .....	43
3.2	Regional Climate .....	43
3.3	Noise .....	46
3.4	Geology .....	46
3.4.1	Regional Geology.....	46
4	Soil Study .....	53
4.1	Water Resources .....	54
4.1.1	Surface Water .....	55
4.1.2	Ground Water .....	56
4.2	Flora and Fauna.....	57
4.2.1	Fauna .....	58
4.3	Heritage Resources.....	60
4.4	Socio-Economic .....	60
4.5	Description of the current land uses.....	62
4.6	Description of specific environmental features and infrastructure on the site. ....	62
5	Environmental and current land use map. ....	63
6	Impacts and risks identified including the nature, significance, consequence, extent, duration and probability of the impacts, including the degree to which these impacts.....	64
7	Methodology used in determining and ranking the nature, significance, consequences, extent, duration and probability of potential environmental impacts and risks; .....	66
	Criteria to Consider when Determining Severity of impacts .....	66
8	The positive and negative impacts that the proposed activity (in terms of the initial site layout) and alternatives will have on the environment and the community that may be affected.....	70
8.1	Potential impact on heritage resources .....	70
8.2	Potential impacts on communities, individuals, or competing land uses in close proximity.....	71
8.3	Potential impact of vegetation .....	72
9	The possible mitigation measures that could be applied and the level of risk. ....	72
9.1	Responsibility.....	72
9.2	Community relations .....	73
9.3	Layout Plan .....	73
9.4	Workers.....	73
9.5	Protection of flora and fauna .....	74
9.6	Road safety and access .....	74
	Schedule .....	74
9.7	Water.....	74

Schedule .....	74
9.8 Office / Camp Site.....	74
9.9 Vehicles and Fuel.....	75
9.10 Toilet facilities.....	76
9.11 Waste management .....	76
9.12 Effluents .....	76
9.13 Access to drill sites .....	77
9.14 Drilling .....	77
9.15 Heritage Resources.....	77
9.16 Windblown sand and dust.....	77
9.17 Noise .....	78
9.18 Rehabilitation .....	78
10 Environmental Related Emergencies and Remediation .....	78
11 Motivation where no alternative sites were considered.....	80
12 Statement motivating the alternative development location within the overall site. ...	80
13 Full description of the process undertaken to identify, assess and rank the impacts and risks the activity will impose on the preferred site (In respect of the final site layout plan) through the life of the activity.....	80
14 Assessment of each identified potentially significant impact and risk .....	82
15 Summary of specialist reports.....	84
16 Environmental impact statement .....	85
16.1 Summary of the key findings of the environmental impact assessment; .....	85
16.2 Final Site Map .....	86
16.3 Summary of the positive and negative impacts and risks of the proposed activity and identified alternatives;.....	86
17 Proposed impact management objectives and the impact management outcomes for inclusion in the EMPr;.....	87
18 Aspects for inclusion as conditions of Authorisation.....	88
19 Description of any assumptions, uncertainties and gaps in knowledge. ....	89
20 Reasoned opinion as to whether the proposed activity should or should not be authorised.....	89
20.1 Reasons why the activity should be authorized or not. ....	89
20.2 Conditions that must be included in the authorisation.....	90
21 Period for which the Environmental Authorisation is required.....	90
22 Undertaking .....	90
23 Financial Provision.....	90
23.1 Explain how the aforesaid amount was derived.....	91
23.2 Confirm that this amount can be provided for from operating expenditure.....	93
24 Specific Information required by the competent Authority .....	93



24.1	Compliance with the provisions of sections 24(4)(a) and (b) read with section 24 (3) (a) and (7) of the National Environmental Management Act (Act 107 of 1998). the EIA report must include the:-.....	93
24.1.1	Impact on the socio-economic conditions of any directly affected .....	93
25	Impact on any national estate referred to in section 3(2) of the National .....	93
26	Other matters required in terms of sections 24(4)(a) and (b) of the Act.....	94
27	Draft environmental management programme.....	95
27.1	Details of the EAP,.....	95
27.2	Description of the Aspects of the Activity .....	95
28	Composite Map .....	95
29	Description of Impact management objectives including management statements .	95
29.1	Determination of closure objectives. ....	95
29.2	Environmental Legislation .....	95
29.3	National Environmental Management Act, Act 107 of 1998 (NEMA) .....	96
29.3.1	Volumes and rate of water use required for the operation. ....	97
29.3.2	Has a water use licence has been applied for?.....	97
30	Impacts to be mitigated in their respective phases.....	98
31	Impact Management Outcomes.....	99
32	Impact Management Actions .....	103
33	Financial Provision.....	105
33.1	Describe the closure objectives and the extent to which they have been aligned to the baseline environment described under the regulation. ....	105
33.2	Confirm specifically that the environmental objectives in relation to closure have been consulted with landowner and interested and affected parties.....	105
33.3	Provide a rehabilitation plan that describes and shows the scale and aerial extent of the main mining activities, including the anticipated mining area at the time of closure. 106	
33.4	Explain why it can be confirmed that the rehabilitation plan is compatible with the closure objectives.....	108
33.5	Calculate and state the quantum of the financial provision required to manage and rehabilitate the environment in accordance with the applicable guideline. ....	109
33.6	Confirm that the financial provision will be provided as determined.....	109
34	Mechanisms for monitoring compliance with and performance assessment against the environmental management programme and reporting thereon, including.....	111
34.1	Indicate the frequency of the submission of the performance assessment/ environmental audit report. ....	124
34.2	Environmental Awareness Plan .....	124
34.2.1	Manner in which the applicant intends to inform his or her employees of any environmental risk which may result from their work.....	124
34.2.2	Manner in which risks will be dealt with in order to avoid pollution or the degradation of the environment. ....	124
35	Specific information required by the Competent Authority .....	125

36 UNDERTAKING..... 125

## LIST OF FIGURES

Figure 1: Google Earth showing the area of the proposed project .....	12
Figure 2: Locality Map of the PR Application Area. ....	13
Figure 3: General Layout for prospecting area activities. ....	14
Figure 4: Regulation map showing locality of the proposed project area .....	16
Figure 5: Proposed boreholes .....	25
Figure 6: Newspaper placement .....	30
Figure 7: Topography of the area. ....	43
Figure 8: Average weather per month in the project area.....	44
Figure 9: Average temperature by month of the project area .....	44
Figure 10: Simplified geological map of Bushveld Igneous Complex .....	48
Figure 11: Simplified stratigraphic succession of the central part of the kaapvaal craton (left) and a more detailed subdivision of the Bushveld Igneous Complex (right) .....	49
Figure 12: The local Geology of the area. ....	53
Figure 13: Soil study of the area of interest .....	54
Figure 14: Quaternary catchment and water management area.....	55
Figure 15: Environmental Sensitive Area Wetlands. ....	56
Figure 16: Vegetation map of the project area .....	57
Figure 17: Biodiversity map of the project area. ....	59
Figure 18: Population by age structure of Thembisile Hani Local Municipality .....	61
Figure 19: Land use Map of the area of interest.....	62
Figure 20: Infrastructure on site.....	63
Figure 21: Sensitivity map (Source: Screening Report) .....	71
Figure 22: Buffer Zone Map .....	86

## Tables

Table 1: Locality .....	12
Table 2: Listed and specified activities.....	17
Table 3: Policy and Legislatives .....	20
Table 4: List of identified I&APs .....	32
Table 5: Summary of issues raised by I&AP .....	35
Table 6: Impact Status.....	66
Table 7: Impact Duration .....	67
Table 8: Impact Probability .....	67
Table 9: Potential impacts per activity and listed activity .....	82
Table 10: Summary of positive and negative impacts.....	86
Table 11: Master Rate Calculation .....	92
Table 12: Impact to be mitigated and phases .....	98
Table 13: Impact Management Outcomes .....	99
Table 14: Impact Management Actions.....	103
Table 15: Rehabilitation plan.....	106
Table 16: Quantum Calculation.....	110
Table 17: Mechanisms for monitoring compliance .....	111



# mineral resources & energy

Department:  
Mineral Resources and Energy  
REPUBLIC OF SOUTH AFRICA

## BASIC ASSESSMENT REPORT

And

## ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT

SUBMITTED FOR ENVIRONMENTAL AUTHORIZATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 AND THE NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 IN RESPECT OF LISTED ACTIVITIES THAT HAVE BEEN TRIGGERED BY APPLICATIONS IN TERMS OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (MPRDA) (AS AMENDED).

<b>Project applicant:</b>	TR Engineering Projects (Pty) Ltd		
<b>Registration no (if any):</b>	2013/195680/07		
<b>Trading name (if any):</b>	TR Engineering Projects (Pty) Ltd		
<b>Responsible Person, (e.g. Director, CEO, etc):</b>	Mr T. Nare		
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**FILE REFERENCE NUMBER SAMRAD:** MP/30/5/1/1/2/ (15853) PR

## IMPORTANT NOTICE

In terms of the Mineral and Petroleum Resources Development Act (Act 28 of 2002 as amended), the Minister must grant a prospecting or mining right if among others the mining “will not result in unacceptable pollution, ecological degradation or damage to the environment”.

Unless an Environmental Authorisation can be granted following the evaluation of an Environmental Impact Assessment and an Environmental Management Programme report in terms of the National Environmental Management Act (Act 107 of 1998) (NEMA), it cannot be concluded that the said activities will not result in unacceptable pollution, ecological degradation or damage to the environment.

In terms of section 16(3)(b) of the EIA Regulations, 2014, any report submitted as part of an application must be prepared in a format that may be determined by the Competent Authority and in terms of section 17 (1) (c) the competent Authority must check whether the application has taken into account any minimum requirements applicable or instructions or guidance provided by the competent authority to the submission of applications.

**It is therefore an instruction that** the prescribed reports required in respect of applications for an environmental authorisation for listed activities triggered by an application for a right or a permit are submitted in the exact format of, and provide all the information required in terms of, this template. Furthermore, please be advised that failure to submit the information required in the format provided in this template will be regarded as a failure to meet the requirements of the Regulation and will lead to the Environmental Authorisation being refused.

**It is furthermore an instruction that** the Environmental Assessment Practitioner must process and interpret his/her research and analysis and use the findings thereof to compile the information required herein. (Unprocessed supporting information may be attached as appendices). The EAP must ensure that the information required is placed correctly in the relevant sections of the Report, in the order, and under the provided headings as set out below, and ensure that the report is not cluttered with un-interpreted information and that it unambiguously represents the interpretation of the applicant.

## Objective of the basic assessment process

The objective of the basic assessment process is to, through a consultative process—

- (a) determine the policy and legislative context within which the proposed activity is located and how the activity complies with and responds to the policy and legislative context;
- (b) identify the alternatives considered, including the activity, location, and technology alternatives;
- (c) describe the need and desirability of the proposed alternatives,
- (d) through the undertaking of an impact and risk assessment process inclusive of cumulative impacts which focused on determining the geographical, physical, biological, social, economic, heritage , and cultural sensitivity of the sites and locations within sites and the risk of impact of the proposed activity and technology alternatives on the these aspects to determine:
  - (i) the nature, significance, consequence, extent, duration, and probability of the impacts occurring to; and
  - (ii) the degree to which these impacts—
    - (aa) can be reversed;
    - (bb) may cause irreplaceable loss of resources; and
    - (cc) can be managed, avoided or mitigated;
- (e) through a ranking of the site sensitivities and possible impacts the activity and technology alternatives will impose on the sites and location identified through the life of the activity to—
  - (i) Identify and motivate a preferred site, activity and technology alternative;
  - (ii) Identify suitable measures to manage, avoid or mitigate identified impacts; and
  - (iii) Identify residual risks that need to be managed and monitored.

## **PART A**

### **3.1 SCOPE OF ASSSSMENT AND BASIC ASSESSMENT REPORT**

#### **1 Contact Person and correspondence address**

##### **Company details**

Name : TR Engineering Projects (Pty) Ltd  
Tel : 013 692 4748  
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##### **Details of the EAP**

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(i) Expertise of the EAP.

1.1.1. The qualifications of the EAP

# MANAGEMENT

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CONSULTING



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DR. N.K Singo is a registered competent person with the South African Council for Natural Scientific Professions (SACNASP: Earth Science Reg. No: 400069/16), Geological Society of South Africa (GSSA), the Land Rehabilitation Society of Southern Africa (LaRSSA) and South African Affiliates of the International Association for Impact Assessment. Kenneth holds an MSc in Environmental

Management (University of South Africa (UNISA) & a BSc (Hons) in Mining & Environmental Geology the University of Venda).

He has just recently qualified for his Ph.D. (Geology, Applied Environmental Mineralogy and Geochemistry) at the University of Johannesburg. He worked for Malatlang Mining CC as Geologist Consultant and Environmental Analyst. In search for growth, he joined Ncondezi Coal Company in Mozambique, Tete Coal basin as Leading Project Geologist. He worked for Anglo American Thermal Coal as a Senior Project Geologist. He is the Managing Director and Principal Consultant for Singo Consulting (Pty) Ltd

Kenneth has knowledge of Mine Water and Mine Environmental Management (acid mine drainage, heavy metal assessments and tailings management) in various commodities including Silica (general), gold, magnesite and base metals (Cu, Pb, Zn). He has extensive knowledge of defunct mining waste and waste water impact assessments in communities residing in the vicinity of those mines. This knowledge was gained through MSc. Kenneth has sound knowledge of risk assessment, both in terms of human health and the environment. He is experienced in the appraisal of potential constraints, as well as devising means of mitigation through remedial strategy development, feasibility and validation.

During his PhD studies, Kenneth learned how to operate within contaminated lands. His PhD largely focused on disused mines (gold, copper and magnesite) ranging from Phase I and Phase II investigations to development of remedial strategies (i.e. Phase III). His PhD further equipped him to intensively understand the waste classification, profiling and understanding of the implications associated with the management of waste, landfill disposal profiling and development of beneficiation strategies.

2

"Protect & Manage the best remaining Environment"



**1. Summary of the EAP's Company past experience.**

Company Profile attached- See Appendix K.

**2 Location of the overall Activity.**

Table 1: Locality

<b>Farm Name:</b>	Rietfontein 446 JR		
<b>Application area (Ha)</b>	Approximately 4 127.897Ha		
<b>Magisterial district:</b>	Magisterial District of Bronkhorstspuit/Mkobela		
<b>Distance and direction from nearest town</b>	Town	Distance (km)	Direction
	Wolvenkop-A	1.62	South West
	Vlakfontein-A	13.36	North East
	Verena-C	5.43	South West
<b>21-digit Surveyor General Code for each farm portion</b>			

**2.1 Locality map**

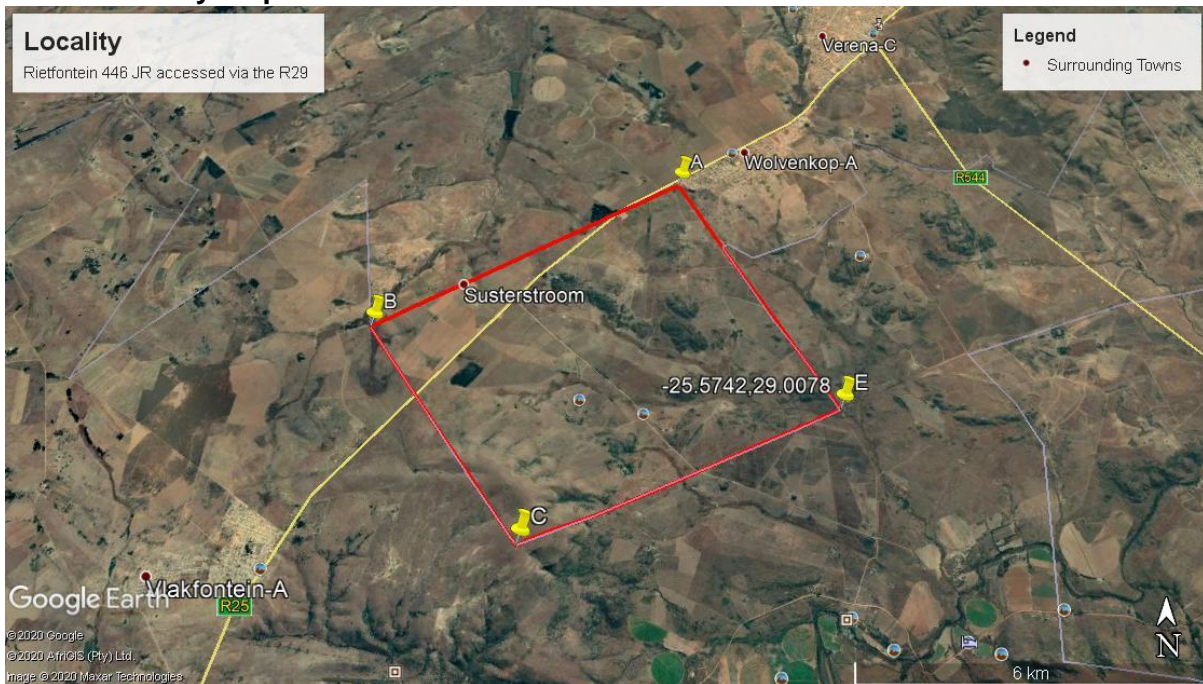


Figure 1: Google Earth showing the area of the proposed project

The proposed project area is on the Farm Rietfontein 446 JR, situated under the Magisterial District of Bronkhorstspuit/Mkobela, Mpumalanga province. The proposed project area is located approximately 1.62km South-West of Wolvenkop-A, 13.36km North-East of Vlakfontein-A and 5.43km South-West of Verena-C respectively.

The farm covers the farmhouses inclusive within its boundaries. The farm area can be accessed from R25 national road which connects from R104 from Bronkhorstspuit town. The site can also be accessed from eMalahleni through N12 which connects to R544 then to R25, potentially to

the site or directly from the R25 national road from Groblersdale.

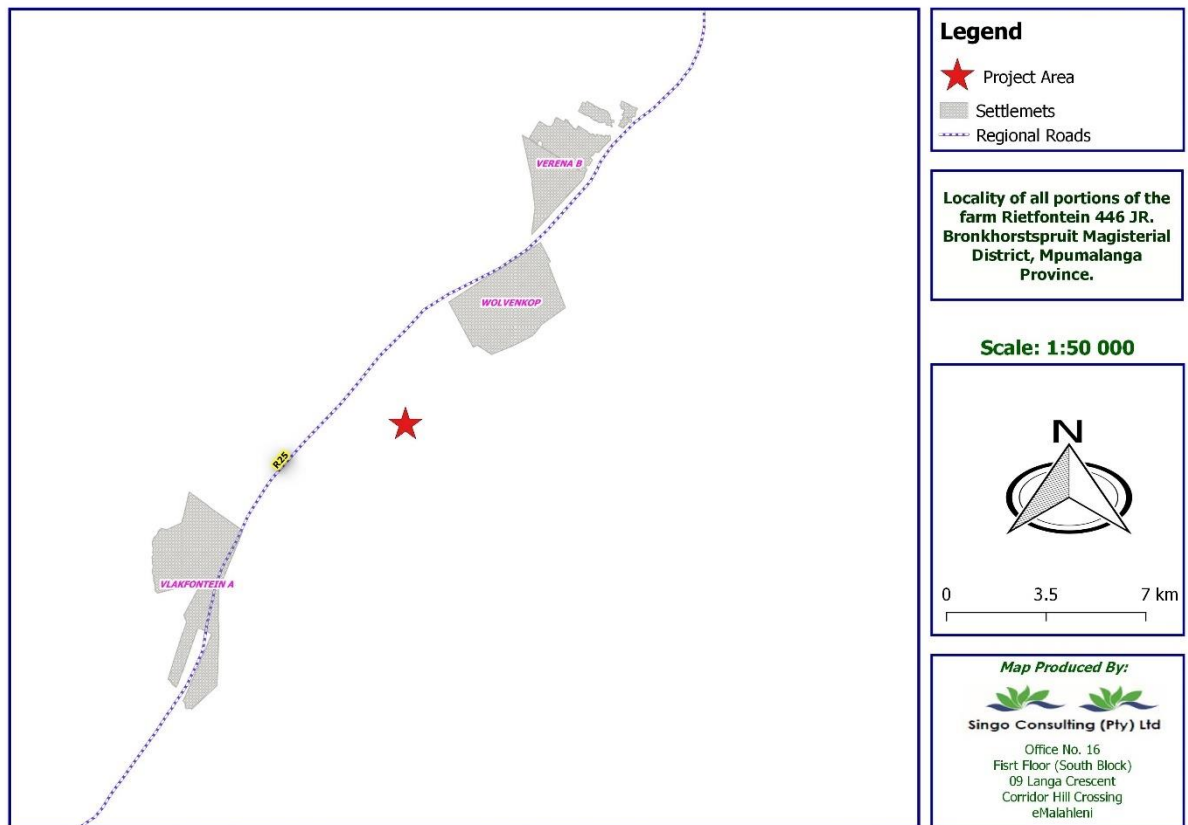


Figure 2: Locality Map of the PR Application Area.

## 2.2 Description of the scope of the proposed overall activity.

Provide a plan drawn to a scale acceptable to the competent authority but not less than 1: 10 000 that shows the location, and area (hectares) of all the aforesaid main and listed activities, and infrastructure to be placed on site

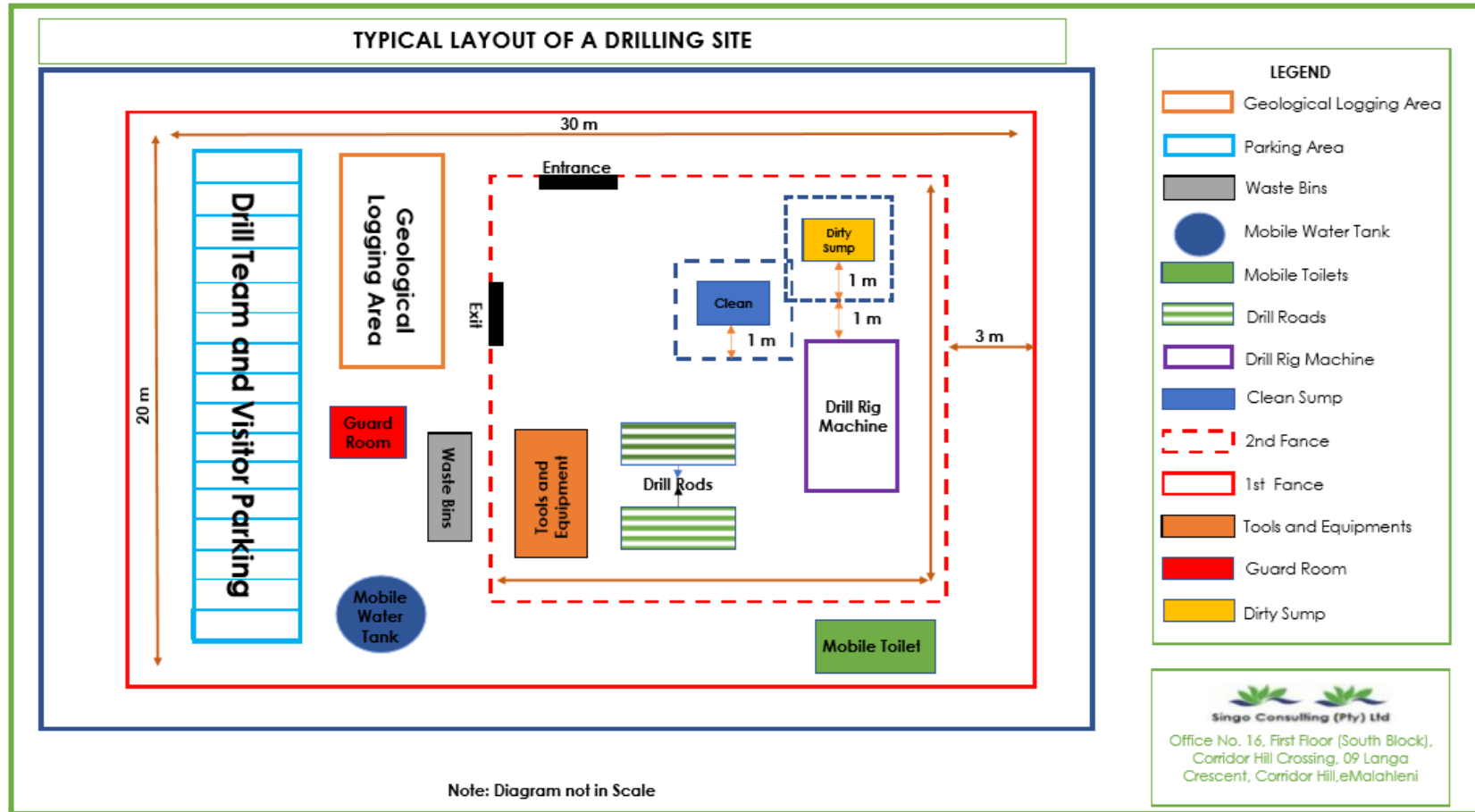


Figure 3: General Layout for prospecting area activities.

**Phase 1:** Non-Invasive Prospecting: - Desktop Study - Analysis of Existing Data GIS & analytical desktop studies Surveys

**Phase 2:** Non-Invasive Prospecting: - Multi-Spectral and Aerial Surveys

**Phase 3:** Invasive Prospecting: - Reconnaissance Borehole drilling, Sampling and Analysis

**Phase 4:** Invasive Prospecting: - Resource drilling, Sampling and Analysis, Resource Estimation and Pre-Feasibility Study

**Phase 5:** Feasibility Studies and Mining Right Application

Since exploration is temporary in nature no permanent structures will be constructed, negotiations and agreements may be made with the farm owners to use any existing infrastructure like access roads and other things like workshops. No accommodation will be provided on site.





## 2.3 Listed and specified activities

Table 2: Listed and specified activities

NAME OF ACTIVITY  (E.g. For prospecting - drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route etc...etc...etc E.g. for mining, - excavations, blasting,  stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.)	Aerial extent of the Activity Ha or m <sup>2</sup>	LISTED ACTIVITY  (Mark with an X where applicable or affected).	APPLICABLE LISTING NOTICE  (GNR 983, GNR 984 or GNR 985)	WASTE MANAGEMENT AUTHORISATION  (Indicate whether an authorisation is required in terms of the Waste Management Act). (Mark with an X)
Prospecting Area*	4 109.05 ha	X	GNR 327 Listing Notice 1, Activity 20.	Not required
Vegetation clearing	0.9 ha		Not Listed	
Site camp	600 m <sup>2</sup>		Not Listed	
Equipment storage	50 m <sup>2</sup>		Not Listed	
Site offices	40 m <sup>2</sup>		Not Listed	
Ablution facilities	30 m <sup>2</sup>		Not Listed	
Sample storage	40 m <sup>2</sup>		Not Listed	

\*Calculations:  $20m \times 30m = 600m^2$   
 $600m^2 \times 15 \text{ boreholes} = 9000m^2$   
 $9000m^2 \div 10000 = 0.9ha$   
**0.9 ha / 4 109.05 ha**

### 2.1

#### 2.4 Description of the activities to be undertaken

(Describe Methodology or technology to be employed, including the type of commodity to be prospected / mined and for a linear activity, a description of the route of the activity)

**Phase 1:** Non-Invasive Prospecting: - Desktop Study - Analysis of Existing Data GIS & analytical desktop studies Surveys

**Phase 2:** Non-Invasive Prospecting: - Multi-Spectral and Aerial Surveys

**Phase 3:** Invasive Prospecting: - Reconnaissance Borehole drilling, Sampling and Analysis



**Phase 4:** Invasive Prospecting: - Resource drilling, Sampling and Analysis, Resource Estimation and Pre-Feasibility Study

**Phase 5:** Feasibility Studies and Mining Right Application

## **2.2 Phase 1 – Desktop Study - Analysis of Existing Data GIS & analytical desktop studies Surveys**

The exploration records of all previous work in the area will be re-examined, and the following studies will be carried out:

- Literature review
- Detailed aerial photograph and satellite image interpretation
- Regional airborne geophysics with main emphasis on magnetic and gravity
- Regional soil geochemistry interpretation
- Geological mapping will also be carried out.

These records will need to be captured into a GIS format for geological modelling and exploration scheduling analysis.

This work will form an initial desktop and surface fieldwork study to be continued during the period that the prospecting permit application is being assessed and, presumably, approved. A period of 6 months is estimated for this.

## **2.3 Phase 2 – Aerial and Ground Geophysics, Multi-Spectral AND Aerial Surveys**

Once targets have been generated in the first phase there will be a need to follow up on these targets. Aerial and ground geophysics supported by Multi Spectral and aerial surveys to sharpen the identified potential areas to determine the sidewall properties, profiles and average grades and to do drill hole targeting. It is anticipated that phase will take approximately 6 months to complete.

## **2.4 Phase 3 –Drilling and Reconnaissance Resource Generation**

In the event that the present application is approved and areas with possible targets for the minerals applied for, this identified prospective target will require further subsurface investigation.

Drilling (diamond, or Percussion) of the prospective areas will commence to establish presence of mineralization. Geological borehole logging, down the hole logging and sampling will also be carried out.

Whole rock analysis of all the potential intersections will be carried out. For budgeting purposes, it is assumed that every meter of the initial holes will be analysed will be made.

It is anticipated that initially approximately 5 drill-holes will be drilled. Drill holes could vary in depth from 25m to 100m, with an average depth in the order of 750 meters. The total amount of drilling to be budgeted for at this stage is 100 meters.

## **2.5 Phase 4 – - Resource drilling, Sampling and Analysis, Resource Estimation and Prefeasibility Study**

Dependent on the results of Phase 3 drilling further 2 drill-holes totalling between 100-700 meters may be required. The geological information generated will be used to model and estimate resource. The resources will at least be expected to be in the Indicated Category according to the appropriate reporting standard (SAMREC, JORC, or NI43 -101).

## **2.6 Phase 5- Feasibility Study**

The final phase of the prospecting programme would involve preparation of a Feasibility study. This would include:

- Resource drilling
- Geological Modelling
- Initial conceptual Mine Planning.
- Planning the infrastructure requirements
- Environmental management planning
- Financial modelling
- Market analysis
- Analysis of transport logistics to markets
- Assessment of personal and training requirements
- Assessment of socio-economic factors

A feasibility study is multidisciplinary in nature and requires the highest levels of expertise available. Such studies are both costly and time consuming

All listed activities will be done or performance within the radius of  $30*20=600\text{m}^2$



## 2.7 Policy and Legislative Context

Table 3: Policy and Legislatives

<p><b>APPLICABLE LEGISLATION AND GUIDELINES USED TO COMPILE THE REPORT</b></p> <p>(a description of the policy and legislative context within which the development is proposed including an identification of all legislation, policies, plans, guidelines, spatial tools, municipal development planning frameworks and instruments that are applicable to this activity and are to be considered in the assessment process</p>	<p><b>REFERENCE WHERE APPLIED</b></p>	<p><b>HOW DOES THIS DEVELOPMENT COMPLY WITH AND RESPOND TO THE LEGISLATION AND POLICY CONTEXT.</b></p> <p>(E.g. In terms of the National Water Act a Water Use License has/ has not been applied for)</p>
<p><b>Water Use Licence (WUL)</b></p>	<p>Not applicable</p>	<p>No water use license is required for this Application. Any water required for drilling activities will be obtained from a legal source within the area or brought in via mobile water tanker. Appropriate dust extractions / suppression equipment will be a condition imposed on the drill contractor for their drill rigs.</p>
<p><b>National Environmental Management Act, 1998</b></p>	<p>This Basic Assessment Report &amp; EMP</p>	<p>The application was accepted by the DMRE on the 10<sup>th</sup> of November 2020 (MP/30/5/1/1/2/ (15853) PR. The Basic Assessment Report in terms of the EIA regulations (which is 90 days from application) must be submitted on 26 February 2019.</p>
<p><b>National Heritage Resources Act, 1999</b></p>	<p>Management measures</p>	<p>Should archaeological artefacts or skeletal material be revealed in the area during development activities, such activities should be halted, and SAHRA notified in order for an investigation and evaluation of the find(s) to take place</p>
<p><b>National Environmental Management: Waste Act, Act 59 of 2008 (NEMWA)NEM: WA (as amended)</b></p>	<p>Management measures environmental awareness plan</p>	<p>The generation of potential waste will be minimised through ensuring employees of the drilling contractor are subjected to the appropriate Environmental awareness campaign before drilling. All waste generated during the drilling activities will be disposed of in a responsible manner.</p>

<b>Mineral and Petroleum Resources Development Act, 2002</b>	Application for Prospecting in terms of Section 16	A Prospecting Right Application has been submitted to the DMRE by the Applicant. The application was accepted by the DMRE on the 10 <sup>th</sup> of November 2020 (MP/30/5/1/1/2/ (15853) PR
<b>Integrated Development Plan (IDP)</b>		The IDP identified job creation as one of their primary objectives. If the prospecting is successful, this mine may contribute to job creation
<b>Strategic Development Framework (SDF)</b>		The area is designated for agricultural usage.

## 2.8 Need and desirability of the proposed activities.

(Motivate the need and desirability of the proposed development including the need and desirability of the activity in the context of the preferred location).

Prospecting is a crucial step in the investigation of minerals that can be found in an area thus prospecting will give knowledge on the resources found and their feasibility. Success in prospecting and a good yield of results can lead to mining. Mining in South Africa directly contributed to the establishment of the Johannesburg Stock Exchange in the late 19th century, and today it still accounts for a large portion of its market capitalization. From this, it is clear that mining in South Africa has shaped the country politically, culturally, and economically and that the South African mining sector has provided the critical mass for a number of industries that are either suppliers to the mining industry, or users of its products. These include, but are not limited to, energy, financial services, water and engineering services, and specialist seismic geological and metallurgical services. The proposed copper, tin and tungsten prospecting right will not only contribute directly to the South African economy but will also contribute to the development and growth of other industries supporting the mining sector.

The proposed prospecting right in search for copper, tin and tungsten resources that is prior to mining project, will contribute to favourable economic impacts on both a local, regional and national scale. This will result in numerous job creation and skills development opportunities for the local community, where job opportunity is outlined as a need in the municipal IDP. This in turn will provide an economic injection in the region.

The project area falls on land that is mostly uncategorized and the land capability is not land that is arable but may be used for grazing. The prospecting activity is temporary therefore no permanent structures will be erected. All disturbed areas will be rehabilitated upon completion and gathering of all the needed data.

If the project does not proceed; the additional economic activity, skills development and available jobs would not be created, and the copper, tin and tungsten reserves would remain unutilized.

2.9

#### 2.10 **Motivation for the overall preferred site, activities and technology alternative.**

Geophysical surveys, and drilling are the only major methods used in exploring for deposits of this type and also for resource definition and evaluation. The technology to be used cannot be replaced by any other methods thus these are the preferred activities.

There is no site or layout alternative as the property provides the ideal geological formation for the presence of the minerals applied for. The positioning of the boreholes is determined by the expected location of the mineral reserve.

There are no technology alternatives considered and the proposed site was identified as the preferred alternative due to the following reasons:

- The site offers the mineral sought after,
- Very little natural vegetation needs to be disturbed in order to establish the mining area as the area has very small patches of natural vegetation.
- The open cast mining of the quarry has been identified as the most effective method to produce the desired copper, tin and tungsten. Due to the remote location of the quarry the potential impacts on the surrounding environment, associated with open cast mining, is deemed to be of low significance.
- No residual waste as a result of the mining activity will be produced that needs to be treated on site. The general waste produced on-site will be contained in sealed refuse bins to be transported to the local municipal landfill site.
- As maintenance and servicing of the equipment will be done at an off-site workshop the amount of hazardous waste to be produced at the site will be minimal and will mainly be as a result of accidental oil or diesel spillages.
- Contaminated soil will be removed to the depth of the spillage and contained in sealed bins until removed from site by a hazardous waste handling contractor to be disposed of at a registered hazardous waste handling site and more information will be discussed after the granting of the prospecting right.

## **2.11 Full description of the process followed to reach the proposed preferred alternatives within the site.**

NB!! – This section is about the determination of the specific site layout and the location of infrastructure and activities on site, having taken into consideration the issues raised by interested and affected parties, and the consideration of alternatives to the initially proposed site layout.

Details of the development footprint alternatives have been considered. With reference to the site plan provided in Appendix B and the location of the individual activities on site, provide details of the alternatives considered with respect to:

The property on which or location where it is proposed to undertake the activity all portions of the Farm Rietfontein 446 JR, was the only property alternative considered.

## **2.12 Details of the development footprint alternatives considered.**

With reference to the site plan provided as Figure 3 and the location of the individual activities on site, provide details of the alternatives considered with respect to:

- a) the property on which or location where it is proposed to undertake the activity;
- b) the type of activity to be undertaken;
- c) the design or layout of the activity;
- d) the technology to be used in the activity;
- e) the operational aspects of the activity; and
- f) the option of not implementing the activity.

### **2.12.1 The property on which or location where it is proposed to undertake the activity**

The planned surface work including drilling is important to be done on rocks that have potential to host the minerals to be explored. Nebo Granite formation holds most of the sub-surface of the area and this formation is associated with a possibility of the minerals being sort for.

The farm under application falls within this prospective copper, tin and tungsten bearing area which is part of the Bushveld Igneous Complex Granite under the Lebowa Granite Suite.

Property is mostly used for grazing and cultivation with small patches of plantations. Adequate infrastructure to undertake the prospecting and/or mining should the project be successful won't be necessary as there are farmhouses around the area. It is important to note that until such time that the non-invasive activities have been completed the exact location of the drill sites cannot be confirmed. However, the following buffers will be applied to the final site selection:

- No drill site will be positioned within 50m of a structure

- No drill site will be positioned within 100m of a water course or wetland
- Where possible existing access roads will be utilised to access the drill sites.

### **2.12.2 The type of activity to be undertaken**

The exploration records of all previous work in the area will be re-examined, and the following studies will be carried out:

- Literature review
- Detailed aerial photograph and satellite image interpretation
- Regional airborne geophysics with main emphasis on magnetic and gravity
- Regional soil geochemistry interpretation
- Geological mapping will also be carried out.

These records will need to be captured into a GIS format for geological modelling and exploration scheduling analysis. Should mineralisation be encountered then further drilling will be undertaken. A suitable level of feasibility study (technical and economic evaluation) will also be undertaken if the results of the phase justify it.

- A total of 15 drill holes are proposed for the site;
- It will be possible to drill 30-40m per day, covering about 1-3 days to drill one hole;
- All holes will be drilled by means of a percussion and diamond drill rig. The drilled holes will be co-ordinated by GPS and logged onto a modelling system. It will be mapped onto an ortho-photo (1:10 000) scale.
- The holes will be drilled to an average of 450m and broadness (diameter) may vary between 60 mm - 75.7 mm. This will allow establishment of the thickness of the overburden;
- Holes will not be drilled closer than 100m from any stream/river and not within 100m from a natural wetland. Identified heritage sites will be marked and avoided.
- Overburden will be recorded, and the holes filled back simultaneously.
- Drilling will take place one hole at a time. The drill site will be cleared of obstructions and debris and then drilled. Rehabilitation will occur concurrently with drilling.

### 2.12.3 The design or layout of the activity

Since exploration is temporary in nature no permanent structures will be constructed, Negotiations and agreements will be made with the farm owners to use any existing infrastructure like access roads.

- Portable ablation facilities will be used.
- Activities will be limited to the drilling of 5 boreholes to be determined by the geological formations found during prospecting.
- It is planned to use one rig for all drill holes. Rehabilitation will be closely controlled and supervision will be focussed.
- No changes to the layout are considered but with the geophysical survey information, the holes can be orientated to match the shape of the good quality of resource.

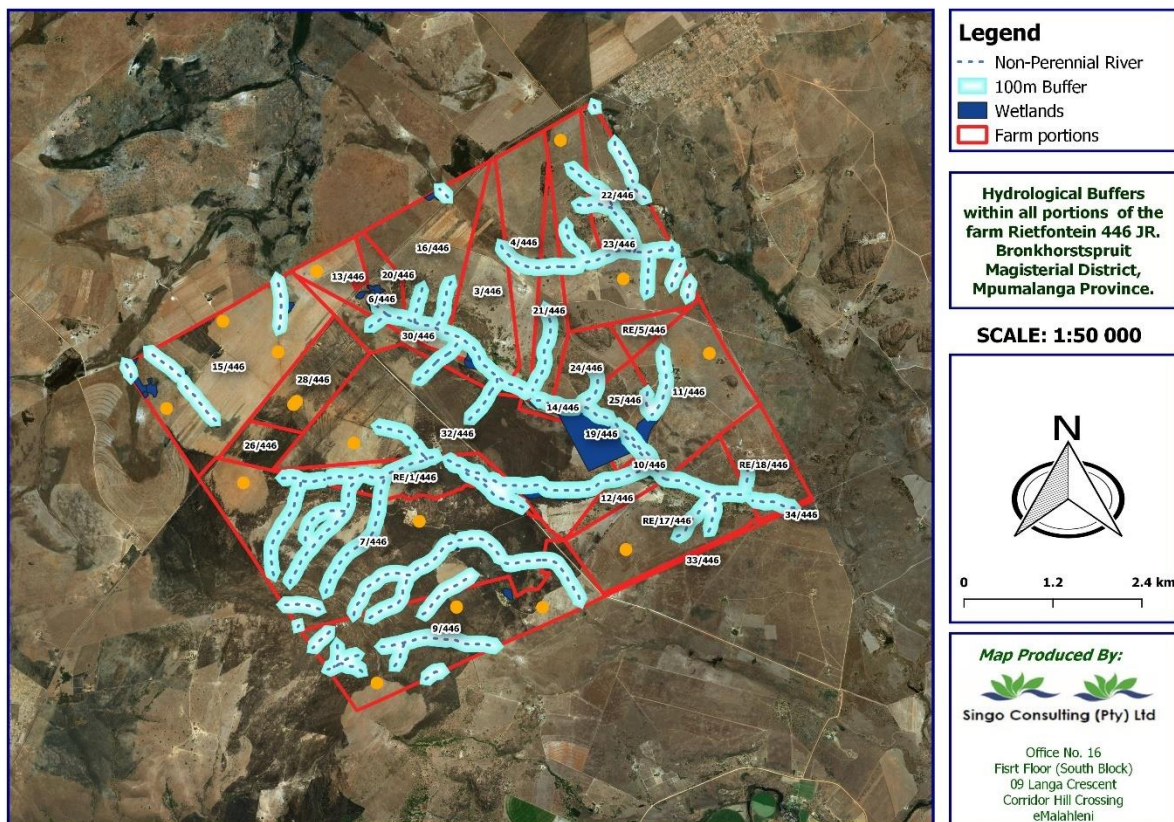


Figure 5: Proposed boreholes

#### **2.12.4 The technology to be used in the activity**

Geophysical surveys and drilling are the only major methods used in exploring for deposits of this type and also for resource definition and evaluation. The technology to be used cannot be replaced by any other methods thus these are the preferred activities. Geophysical surveys also provide an added advantage of being done quickly and so execution can commence early. The safety factor of utilising geophysical surveys is also apparent, as there is less time to keep people exposed to moving machinery.

#### **2.12.5 The operational aspects of the activity**

Due to the nature of the prospecting activities, no permanent services in terms of water supply, electricity, or sewerage facilities are required. The prospecting will commence with non-invasive prospecting for 6 – 8 months which will entail Multi-Spectral and Aerial Surveys providing digital raster data of the area of interest delineating the Paleo channel on a map. Thereafter a further literature survey will be conducted for 2 - 4 months, combining the results from phase 1 with interpreted geological report. Only then will the applicant commence with invasive prospecting with the drilling and sampling programme continuing for approximately 12 – 24 months, which will culminate in a report on the drill results. This will again be followed with further non-Invasive prospecting through GIS & analytical desktop studies for 6 – 12 months, producing Pre-Feasibility reports, resource statements and 3D mapping. Once this is complete a decision will be made whether further drilling or sampling is required in specific areas of interest, prior to finalising the Feasibility Report.

The applicant shall ensure that this Environmental Management Plan is provided to the Project Manager and any other person or organisation who may work on the site.

#### **2.12.6 The option of not implementing the activity**

The option of not approving the activities will result in a significant loss to valuable information regarding the mineral status present on these properties. The proposed activities have very low significance since these are short term activities. The probability of occurrence of an impact was determined and most of these activities can be controlled and impacts can be reduced or avoided. The probability was also used basing on looking at other prospecting activities of similar nature. Generally

prospecting activities have low impact on the environment. The planned activities negative impacts can be controlled and avoided or minimised therefore the layout does not require revision. Changes in plan will be discussed with the farmers and approvals will be signed. In addition to this, should economical reserves be present and the applicant does not have the opportunity to prospect, the opportunity to utilize the said reserves for future phases will be lost. Loss of potential employment opportunities for Mpumalanga as a province.

## **2.13 Details of the Public Participation Process Followed**

Describe the process undertaken to consult interested and affected parties including public meetings and one on one consultation. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. (Information to be provided to affected parties must include sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land.

### **2.13.1 Regulatory Framework**

This section of the report provides an overview of the tasks undertaken for the public participation process to date. The public participation process was undertaken in accordance with the requirements of the EIA Regulations, 2014 (as amended, 07 April 2017) particularly Chapter 6 of this Regulation. It provides a guideline on how public participation processes must be conducted; it further stipulates timeframes in which these processes must be conducted in accordance with.

### **2.13.2 Landowner Identification and Notification**

The Public Participation Process (PPP) mainly comprises the communications and discussions with Interested and Affected Parties (I&APs) and is of utmost importance in any assessment process. The PPP, inter alia, involves the following:

### **2.13.3 Notification of Stakeholders (incl. Interested & Affected Parties)**

- **Notification of Stakeholders**
- ✓ Personnel representing Government departments and Non-governmental organizations were consulted using Background Information Document (BID), Consultation letters, and in some instances, consultations were conducted telephonically. The following departments and organization formed part of the consultation process;
  - Department of Agriculture, Forestry and Fisheries
  - Department of Rural Development and Land Reform



- Department of Water and Sanitation
- Department of Environmental Affairs
- Department of Tourism
- Transnet
- Eskom
- Municipality
- Sanral
- Department of Labour

➤ **Notification of I&AP**

The I&APs details were collected using information in the public domain. Using this information the identified I&APs were contacted via email and through telephonic conversations with a description of the prospecting operation, communication means for further information and how to be part of the process.

➤ **Newspaper advertisement**

A newspaper notice was placed in the legal section of *Streeknuus* on the 27<sup>th</sup> of November 2020 about the prospecting right application (see proof of placement below). Notices about the application were placed around the site of the prospecting right application area inviting interested persons to register as I&APs. See figure below.



## GNFSA rewarded as 2020 Federation of the year

Gauteng North Figure Skating (GNFSA) was awarded the 2020 Federation of the year recently at the Tshwane Woman in Sports Awards. Local figure skaters from Cullinan and Rayton also form part of this phenomenal team. Taytum Rosseau is the winner in the School Sports Athlete category in their midst, and Jennifer Glatter narrowly missing out as a finalist in the Technical Official of the Year category. "This is ample rewards and motivation for all the hard work and effort of our athletes, coaches, officials and committee are constantly putting into our beloved sport," said Anne Waldek-Thill from GNFSA. They feel honoured and privileged to receive this acknowledgement from the Tshwane Sports Council. "We congratulate all the other finalists and nominees in each category." They thank the organisers of the event, the TSC and its dignitaries for putting this event together. "We wish all other sporting codes the best for the next year with all the challenges that face everyone and hope to see all our athletes, officials and federations reach new heights."



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## Jong gholfspeler gekeur vir Mpumalanga span

Thia Botha

Uit eie geleedere word 'n 12-jarige gholfspeler gekeur vir die Mpumalanga Gholfunie se laerskole gholfspan.

Proewe is gespeel op Maandag, 16 November in Middelburg. Plaaslik val die eer vir Ryno Lourens te beurt toe hy na afloop van die proewe aangewys is as een van 15 laerskool leeders om in 2021 deel te wees van die Mpumalanga Gholfunie se laerskole span.

Slegs 15 laerskool leeders vanuit Mpumalanga val dié besondere eer te beurt en dit maak dit nog 'n groter prestasie vir Ryno.

Na 'n jaar van inperking sien Ryno baie daarna uit om weer aktief aan gholf te kan deelneem.

Dit is alom bekend dat Delmas se gholfbaan reeds 'n internasionale speler, naamlik Christiaan Bezuidenhout (Rambo) opgelewer het. Met nog jong talent in eie geleedere doen Delmas dit dalk net weer. Ryno word baie sterkte toegewens.



### NOTICE OF PUBLIC PARTICIPATION FOR PROSPECTING RIGHT AND ENVIRONMENTAL AUTHORIZATION APPLICATION

#### Isizulu

Isaziso senqubo yokuLindela iLungelo Lesicelo ngokoMthetho Wezokumbiwa kanye Nezimbwa (i-MPRDA) (Umthetho 28 ka 2002) ngokuthola iCopper Ore, Tin Ore ne Tungsten Ore ku famu Rietfontein 446 JR, esendaweni iMagisterial District ye Bronkhorstspuit, esifundazweni sase Mpumalanga.

#### ISIMEMO SOKUPHAWULA NOKUVEZA IMIBONO MAYELANA NALE APPLICATIONI

Ngaleso sikhathi kunikezwe isaziso ngokoMthetho Wezokumbiwa phansi kanye nePetroleum Development Act (MPRDA) (Umthetho 28 ka 2002) kanye nemigomo ye-EIA 2014, ekhishwe ngaphansi kwesaziso sikahulumeni Nombolo 982 kuGazethi Nombolo 3822 yomhla ziyi-4 kuZibandlela wezi-2014 ukuthi kuchithshiyelwe ngomhla 7 Ephreli 2017 ukuthi i-TR Engineering (Pty) Limited ifake isicelo selungelo Lokuthola Ukumbiwa phansi kwalama minerali esitwino ngenhla nge-DMRE Ref: MP 30/5/1/1/2/15853 PR.

Njengengxenywe yenqubo ye-EIA, ikakhulukazi inqubo yokubamba iqhaza komphakathi kule phrojekthi ehlolongwayo, Amaqembu Athintekayo Nathintekayo (IAPs) ayamenywa ukuba abhalese futhi aalethe ngomazana noma yikuphi ukuphawula noma ukukhathazeka ukufinyelela kuNkosazana Nokuthula Nkosi ungakashayi ngolwesithathu, 13 Januwari 2021, kusetshenziswa imininigwane yokuxhumana enikezwe ngezansi.

Umphakathi ubuye futhi umenywe ukuthi ubukeze futhi uphawule ngombiko Oyisisekelo Wokuhlola Okuyisisekelo kanye ne-EMPr. Umbiko oyilwayo we-EMPr uzotholakala ukuthi ubuyezwe isikhathi sezinsuku ezingama-30 zekhalenda le-14 Januwari 2021 - 12 Febuwari 2021. Isikhathi sezinsuku ezingama-30 asibandakanyi isikhathi esisukela mhla ziyi-15 kuZibandlela wezi-2020 kuya kumhla zimhla kuJanuwari 2021 ngokomthetho. Lo mbiko uzotholakala eVerena Public Library (R544, eMalahlani, 1048).

Ngeminye imininigwane, ukubhalisa njengeNhlangoana Enentshisekelo noma Ethintekayo, sicela uthinte: -

Office No. 16, First Floor (South Block), Corridor Hill Crossing, 9 Langa Crescent, Corridor Hill, eMalahlani (Witbank), 1040  
 Contact Person: Ms. Nokuthula Nkosi  
 Tel: +27 13 692 0041  
 Cell: +27 81 386 8589  
 Fax: +27 86-514-4103  
 Email: nokuthula@singoconsulting.co.za



#### English

Notice of the Prospecting Right Application Process as per the Minerals and Petroleum Resources Development Act (MPRDA) (Act 28 of 2002) for the prospecting of Copper Ore, Tin Ore and Tungsten Ore on the farm Rietfontein 446 JR, situated in the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

#### INVITATION TO COMMENT

Notice is hereby given in terms of the Mineral and Petroleum Development Act (MPRDA) (Act 28 of 2002) and EIA regulations 2014, published under Government Notice No. 982 in Gazette No. 3822 of 4 December 2014, amended on 7 April 2017 that TR Engineering (Pty) Limited has applied for a Prospecting Right for the above-mentioned minerals with DMRE Ref: MP 30/5/1/1/2/15853 PR.

As part of the EIA process, more especially the public participation process for this proposed project, Interested and Affected Parties (I&APs) are invited to register and kindly submit any comments or concerns to reach Miss Nokuthula Nkosi by no later than Wednesday, the 13th of January 2021, using the contact details provided below. The public is also invited to review and comment on the Draft Basic Assessment Report and EMPr. The draft EMPr report will be available for review for 30-days calendar period from 14 January 2021 - 12 February 2021. The 30 days period excludes the period from the 15th of December 2020 to the 2nd of January 2021 as per regulation 54 (2), section 4.6. This report will be available at Verena Public Library (R544; eMalahlani; 1048). For more information, to register as Interested or Affected Party, please contact: -

Office 07, 4 U 2 Store Complex Springbok Street, Tasbepark, Ext 17 Witbank, 1035  
 Tel No: +27 13 692 4748  
 Fax No: +27 86 544 8825  
 Cell No: +27 79 530 7662  
 Email: thabo@treengineering.co.za



This application directly affects portions owned by The South African Government (portions 1-6 & 10 - 34), Chaplog Bryan Shuan (portion 7 & 8) and Zongro Een (Pty) Ltd (portion 9). If you are the landowner/lawful occupier of the above-mentioned land, please contact the EAP above to set up a formal meeting regarding the application.

Figure 6: Newspaper placement



➤ **Site notice placement**

To inform surrounding communities and adjacent landowners of the proposed development, site notices were erected on site and at visible locations around the site on the 1<sup>st</sup> of December 2020. The site notices also clearly stipulated where and how the DBAR and EMPr can be accessed.



Photo 1: Site Notice Placement

Table 4: List of identified I&APs

REF. NO.	Reg. SECTOR NO.	CONTACT PERSON	ALTERNATIVE	DESIGNATION	
	41(b)(i)	Occupiers of the site, if the proponent or applicant is not the owner or person in control of the site			
1.		South African Government	Willaim Nyoni	E: <a href="mailto:William.Nyoni@drdlr.gov.za">William.Nyoni@drdlr.gov.za</a>	Landowner
2.		Chaplog Bryan Shuan	Chaplog Bryan Shuan	E: <a href="mailto:bryan@bscaa.co.za">bryan@bscaa.co.za</a> T: 012 421 5004 C: 019 734 1214	Landowner
3.		Zongro Een (Pty) Ltd			Landowner
4.		Eskom		E: <a href="mailto:Wayleavesmou@eskom.co.za">Wayleavesmou@eskom.co.za</a>	
5.		Land Rights (DRDLR)	Themba Mkhonto		
6.		DAFF	Rhulani Chavalala	E: <a href="mailto:RhulaniC@daff.gov.za">RhulaniC@daff.gov.za</a>	
7.		DWS	Lindelani Mbulaheni Seani Nevondo	E: <a href="mailto:MbulaheniL@dws.gov.za">MbulaheniL@dws.gov.za</a> E: <a href="mailto:NevondoS@dws.gov.za">NevondoS@dws.gov.za</a>	
8.		SANRAL	Statutory	E: <a href="mailto:nrstat@nra.co.za">nrstat@nra.co.za</a>	

9.		SAHRA	Online Submission	<a href="https://sahris.sahra.org.za/node/add/heritagereports">https://sahris.sahra.org.za/node/add/heritagereports</a>	
10.		Thembisile Hanani Local Municipality	Mr. W Msiza Mr. S Maseko	E: <a href="mailto:msizaa@thembisilehanilm.gom.com">msizaa@thembisilehanilm.gom.com</a> C: 082 967 2175 E: <a href="mailto:masekos@thembisilehanilm.gov.za">masekos@thembisilehanilm.gov.za</a>	LED Manager
11.		Councillor	Cllr Bongani Dlamini	C: 060 757 8846	
12.		Nkangala Municipality District	Mr. M Skosana Ms. M Nkosi Ms. M Nimbilwi Mr. NL Simelane	E: <a href="mailto:skosanamm@nkangaladm.gov.za">skosanamm@nkangaladm.gov.za</a> E: <a href="mailto:nkosinm@nkangaladm.gov.za">nkosinm@nkangaladm.gov.za</a> E: <a href="mailto:nembilwim@nkangaladm.gov.za">nembilwim@nkangaladm.gov.za</a> E: <a href="mailto:SimelaneNL@nkangaladm.gov.za">SimelaneNL@nkangaladm.gov.za</a>	
13.		Department of Labour	Ms. Noncebo S	E: <a href="mailto:noncebos@labour.gov.za">noncebos@labour.gov.za</a>	
14.		SANBI	D Moshe	E: <a href="mailto:D.Moshe@sanbi.org.za">D.Moshe@sanbi.org.za</a>	
15.		DEA	Ms. R Ranavhone Ms. E Makhubele Ms. P Matitla	E: <a href="mailto:Tramavhona@environment.gov.za">Tramavhona@environment.gov.za</a> E: <a href="mailto:emakhubele@envidonmental.gov.za">emakhubele@envidonmental.gov.za</a> E: <a href="mailto:pmatitla@environmental.gov.za">pmatitla@environmental.gov.za</a>	
16.		Towns Planning	Mr. T Kleynhans	E: <a href="mailto:TKleynhans@mpg.gov.za">TKleynhans@mpg.gov.za</a>	Transnet Freight Rail WTB
17.		TRANSNET	Tshilidzi Mavulwana	E: <a href="mailto:Tshilidzi.Mavulwana@transnet.net">Tshilidzi.Mavulwana@transnet.net</a> E: <a href="mailto:yuza.Chabalala@transnet.net">yuza.Chabalala@transnet.net</a> E: <a href="mailto:Livhuwani.ndou@transnet.net">Livhuwani.ndou@transnet.net</a>	
18.		MTPA	Phumla Nkosi	E: <a href="mailto:Phumla.Nkosi@mtpa.co.za">Phumla.Nkosi@mtpa.co.za</a>	



## 2.14 Summary of issues raised by I&As



(Complete the table summarising comments and issues raised, and reaction to those responses)



Table 5: Summary of issues raised by I&AP



<b>Interested and Affected Parties</b>  List the name of persons consulted in this column, and  Mark with an X where those who must be consulted were in fact consulted	<b>Date Comments Received</b> (Call, Fax, emails)	<b>Issues raised</b>	<b>EAPs response to issues as mandated by the applicant</b>	<b>Section and paragraph reference in this report where the issues and or response were incorporated.</b>	
<b><u>AFFECTED PARTIES</u></b>					
Landowner/s	X				
<b>NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA</b> <b>Representative:</b> William Nyoni E: william.nyoni@drdlr.gov.za	X		No issues raised yet.	A consultation email was sent to the stakeholder on the 26/11/2020 to introduce them to the proposed project. A follow up email was sent on 09/12/2020 to remind the stakeholder to share any comments/concerns/issues regarding the proposed project. A follow up email was sent on 07/01/2021. Review options (electronic/hardcopy) were shared for their perusal.	Appendix G, Page 142








<b>CHAPLOG BRYAN SHUAN</b> E: <a href="mailto:bryan@bscaa.co.za">bryan@bscaa.co.za</a> T: 012 421 5004/ 079 734 1214	X	09/12/2020 (phone call)	A phone call was received from the landowner stating his objection due to the fact that he is dependent on the land. Timeframes were of question as it is now December.	It was advised that the landowner complete the comment form sent along with notification letter. It was clarified that the timeframes stipulated are not inclusive of the festive season. Consultation will end on 15/12/2020 and resume on 03/01/2021. A meeting was proposed (January 2021) to further explain the project and all it entails	Appendix G, Page 142
<b>ZONGRO EEN PTY LTD</b>	X			Contact details will be obtained from speakers/councillor/farm owners	
<b>Lawful occupier/s of the land</b>					
N/A					
<b>Landowner or lawful occupier on adjacent properties</b>					
N/A					
<b>Municipal councillors</b>					
Cllr Bongani Dlamini Ward** E: <a href="mailto:bnzwane@gmail.com">bnzwane@gmail.com</a> C: 060757 8846	X	08/01/2021 (phone call/email)	Locality map requested in order to pin point councillors.	Locality and regulation map along with BID was sent .	Appendix G, Page 142
<b>Local Municipality: Thembisile Hani</b>					


 <p>Mr. W Msiza E: <a href="mailto:msizaw@thembisilehanilm.gov.za">msizaw@thembisilehanilm.gov.za</a> C: 082 967 2175</p>	X	07/01/2021 (email)	The stakeholder acknowledged receipt of email and shared the address for courier purposes: Stand No. 4 Kwaggafontein, Empumalanga, 0458 (opposite the police station) Alternatively, Private Bag x4041, Empumalanga, 0458	A consultation email was sent to the stakeholder on the 07/12/2020 to introduce them to the proposed project. a request for the contact details of the speakers office was made so that we may attain the number for the councillor of the applied for area for consultation. A follow up email was sent on 07/01/2021. Review options (electronic/hardcopy) were shared for their perusal.	Appendix G, Page 142
<b>District Municipality: Nkangala</b>					
 <p>MM Skosana E: <a href="mailto:skosanamm@nkangaladm.gov.za">skosanamm@nkangaladm.gov.za</a> NL Simelane E: <a href="mailto:SimelaneNL@nkangaladm.gov.za">SimelaneNL@nkangaladm.gov.za</a> M Nembilwi E: 'nembilwim@nkangaladm.gov.za'</p>	X		No issues raised yet.	A consultation email was sent to the stakeholder on the 26/11/2020 to introduce them to the proposed project. A follow up email was sent on 09/12/2020 to remind the stakeholder to share any comments/concerns/issues regarding the proposed project. A follow up email was sent on 07/01/2021. Review options (electronic/hardcopy)	Appendix G, Page 142

				were shared for their perusal.	
<b>Organs of state (Responsible for infrastructure that may be affected: Roads, Departments, Eskom &amp; DWA)</b>					
 <p><b>water &amp; sanitation</b> Department: Water and Sanitation REPUBLIC OF SOUTH AFRICA</p> <p>Seani Nevondo E: <a href="mailto:NevondoS@dws.gov.za">NevondoS@dws.gov.za</a> Lindelani Mbulaheni E: <a href="mailto:MbulaheniL@dws.gov.za">MbulaheniL@dws.gov.za</a></p>	X	05/01/2021 (email)	The applicant is advised to apply for all water uses relevant to the mining activity in terms of section 21 of the National Water Act, 1998 (Act No 36 of 1998) on the DWS online system referred to as electronic Water Use Licence Application Administration System (eWULAAS), which is accessible on the Departmental website: <a href="http://www.dws.gov.za">www.dws.gov.za</a> .	It was explained that the application is for a prospecting right which is temporary. The BA & EMPr stated that a WUL has not been applied for as water resources for drilling purposes as well personal use will be brought onto site.	Appendix G, Page 142
 <p><b>agriculture, forestry &amp; fisheries</b> Department: Agriculture, Forestry and Fisheries REPUBLIC OF SOUTH AFRICA</p> <p>Rhulani Chavalala E: <a href="mailto:RhulaniC@daff.gov.za">RhulaniC@daff.gov.za</a></p>	X		No issues raised.	A consultation email was sent to the stakeholder on the 26/11/2020 to introduce them to the proposed project. A follow up email was sent on 09/12/2020 to remind the stakeholder to share any comments/concerns/issues regarding the proposed project. A follow up email was sent on 07/01/2021. Review options (electronic/hardcopy) were shared for their perusal.	Appendix G, Page 142

 <p>Wayleaves Mpumalanga E: Wayleavesmou@eskom.co.za</p>	X		No issues raised yet.	<p>A consultation email was sent to the stakeholder on the 26/11/2020 to introduce them to the proposed project.</p> <p>A follow up email was sent on 09/12/2020 to remind the stakeholder to share any comments/concerns/issues regarding the proposed project.</p> <p>A follow up email was sent on 07/01/2021. Review options (electronic/hardcopy) were shared for their perusal.</p>	Appendix G, Page 142
 <p>Yuza Chabalala E: <a href="mailto:yuza.Chabalala@transnet.net">yuza.Chabalala@transnet.net</a> Livhuwani Ndou E: <a href="mailto:Livhuwani.ndou@transnet.net">Livhuwani.ndou@transnet.net</a> Tshilidzi Mavulwana Transnet Freight Rail WTB E: <a href="mailto:Tshilidzi.Mavulwana@transnet.net">Tshilidzi.Mavulwana@transnet.net</a></p>	X		No issues raised yet.	<p>A consultation email was sent to the stakeholder on the 26/11/2020 to introduce them to the proposed project.</p> <p>A follow up email was sent on 09/12/2020 to remind the stakeholder to share any comments/concerns/issues regarding the proposed project.</p> <p>A follow up email was sent on 07/01/2021. Review options (electronic/hardcopy)</p>	Appendix G, Page 142

				were shared for their perusal.	
 <b>Jan Oliver</b> E: <a href="mailto:nrstat@nra.co.za">nrstat@nra.co.za</a>	X	/2020(courier)			
<b>Communities</b>					
Wolvenkop					
			No issues raised so far.		
Vlakfontein A					
<b>Dept. Land affairs</b>					
 <b>Themba Mkhonto</b> E: <a href="mailto:Themba.Mkhonto@drdlr.gov.za">Themba.Mkhonto@drdlr.gov.za</a>	X	01/12/2020 (email)	There is a land claim on the applied for farm. Case officer Mrs. Queen Nkadimeng (071 853 1135/ 013 655 1000) should be contacted for clarity.	The email was acknowledged and consultation with Mrs. Queen Nkadimeng is underway.	Appendix G, Page 142
<b>Tribal leaders</b>	X				
<b>Dept. of Economic Development, Tourism and Environmental affairs</b>					
<b>Other competent authority</b>					
 <b>Phumla Nkosi</b> E: <a href="mailto:Phumla.Nkosi@mtpa.co.za">Phumla.Nkosi@mtpa.co.za</a>	X		No issues raised.	A consultation email was sent to the stakeholder on the 26/11/2020 to introduce them to the proposed project. A hard copy will be couriered to	Appendix G, Page 142

				the office for review during the review period.	
 <p>D Moshe E: <a href="mailto:D.Moshe@sanbi.org.za">D.Moshe@sanbi.org.za</a> T.Mthlane@sanbi.org.za E: <a href="mailto:T.Mthlane@sanbi.org.za">T.Mthlane@sanbi.org.za</a></p>	X	09/12/2020 (email)	D. Moshe is no longer part of the organisation.	Email acknowledged and stakeholder removed from email database.	Appendix G, Page 142
 <p>Noncebo S E: <a href="mailto:noncebos@labour.gov.za">noncebos@labour.gov.za</a></p>	X		No issues raised yet.	A consultation email was sent to the stakeholder on the 26/11/2020 to introduce them to the proposed project. A follow up email was sent on 09/12/2020 to remind the stakeholder to share any comments/concerns/issues regarding the proposed project. A follow up email was sent on 07/01/2021. Review options (electronic/hardcopy) were shared for their perusal.	Appendix G, Page 142

 <p><b>environmental affairs</b>  Department:  Environmental Affairs  REPUBLIC OF SOUTH AFRICA</p> <p>T Ramavhona  E: <a href="mailto:Tramavhona@environment.gov.za">Tramavhona@environment.gov.za</a>  E Makhubele  E:  <a href="mailto:emakhubele@environmental.gov.za">emakhubele@environmental.gov.za</a>  P Matitla  E: <a href="mailto:pmatitla@environmental.gov.za">pmatitla@environmental.gov.za</a></p>	X		No issues raised yet.	<p>A consultation email was sent to the stakeholder on the 26/11/2020 to introduce them to the proposed project.</p> <p>A follow up email was sent on 09/12/2020 to remind the stakeholder to share any comments/concerns/issues regarding the proposed project.</p> <p>A follow up email was sent on 07/01/2021. Review options (electronic/hardcopy) were shared for their perusal.</p>	Appendix G, Page 142
<b>SAHRA</b>					
<a href="https://sahris.sahra.org.za/node/add/heritagereports">https://sahris.sahra.org.za/node/add/heritagereports</a>	X	/2021			
<b>Other Affected Parties</b>					
<b>Interested parties</b>					



### 3 The Environmental attributes associated with the alternatives.(The environmental attributed described must include socio-economic, social, heritage, cultural, geographical, physical and biological aspects)

#### (i) Type of environment affected by the proposed activity.

(its current geographical, physical, biological, socio- economic, and cultural character).

### 3.1 Topography

The topology map below illustrates contour lines which are relatively close together indicating that the area is characterised by a fairly steep slope.

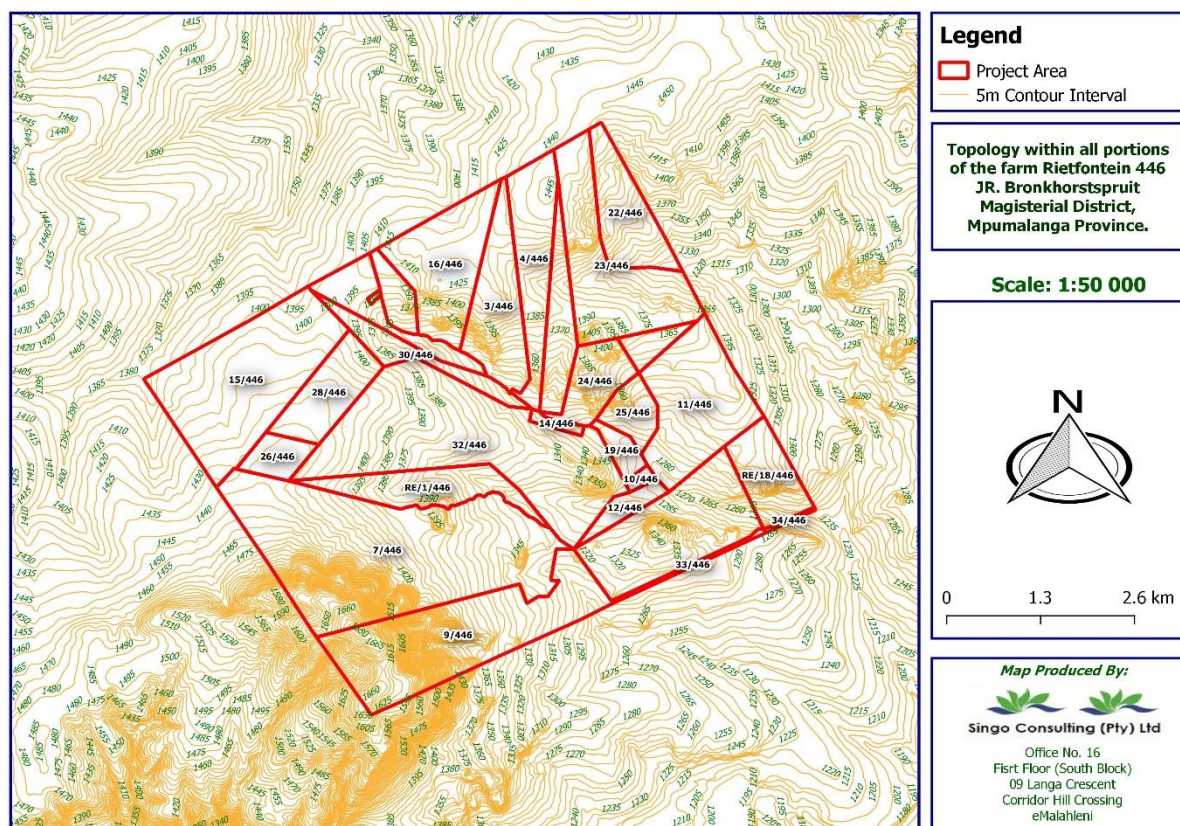


Figure 7: Topography of the area.

### 3.2 Regional Climate

In Bronkhorstspuit, the climate is warm and temperate, with much less rainfall in winter than in summer. The climate here is classified as Cwb by the Köppen-Geiger system. The average annual temperature is 16.8 °C and rainfall here averages 677 mm. (climate-data.org)



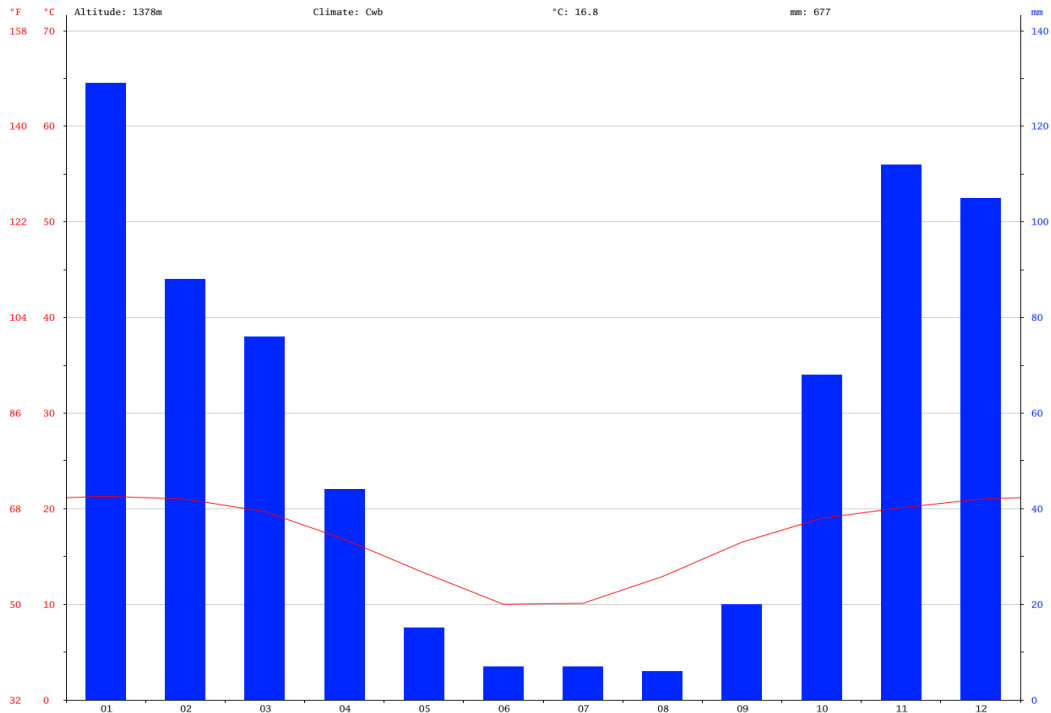


Figure 8: Average weather per month in the project area

The driest month is August with approximately 6 mm of precipitation. With an average of 129 mm, the most precipitation falls in January.

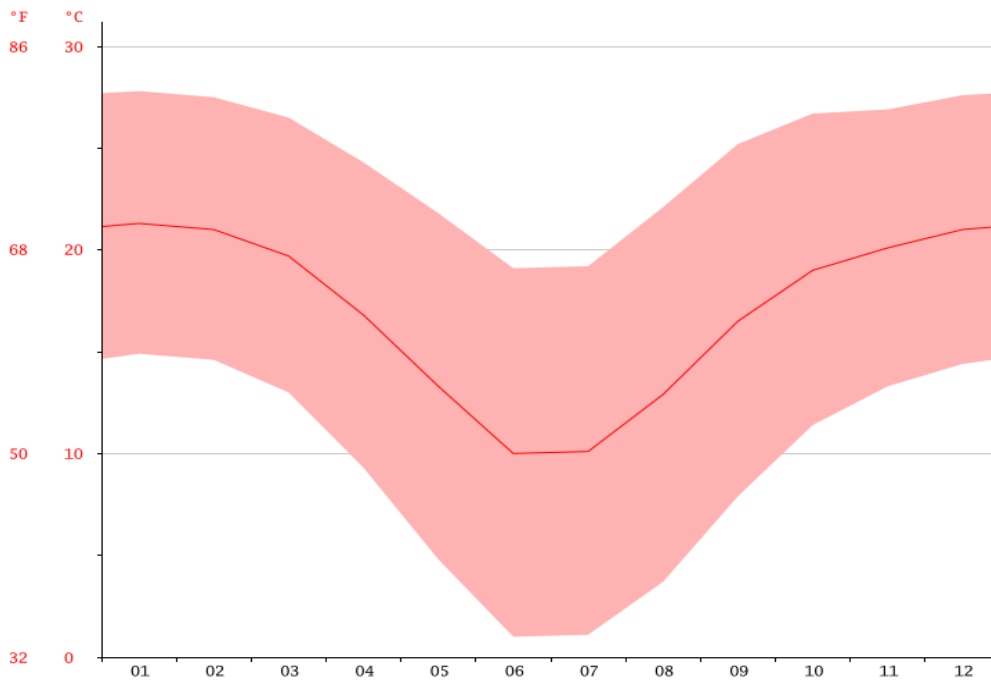


Figure 9: Average temperature by month of the project area

January is the warmest month with an average of 21.3 °C. June has the lowest average temperature of the year at 10.0 °C.

### **Air Quality**

The assessment of the ambient air quality is based on available ambient air quality information identified in the literature review and data supplies by the Department of Environmental Affairs (DEA) and the South African Weather Service (SAWS).

### **Regional Ambient Air Quality**

Mpumalanga experiences a wide range of both natural and anthropogenic sources of air pollution ranging from veld fires to industrial processes, agriculture, mining activities, power generation, paper and pulp processing, vehicle use and domestic use of fossil fuels. Different pollutants are associated with each of the above activities, ranging from volatile organic compounds and heavy metals to dusts and odours.

The proposed project area is in the Mpumalanga Highveld Priority Area which has been declared by the Minister of Environment and Tourism in terms of section 18 (1) and 57 (1) of the National Environmental Management: Air Quality Act, No. 39 of 2004.

Ambient air quality in Mpumalanga is strongly influenced by regional atmospheric movements, together with local climatic and meteorological conditions. The most important of these atmospheric movement routes are the direct transport towards the Indian Ocean and the recirculation over the sub-continent (Scholes, 2002). It is these climatic conditions and circulation movements that are responsible for the distribution and dispersion of air pollutants within Mpumalanga and between neighbouring provinces and countries bordering South Africa.

Mpumalanga experiences distinct weather patterns in summer and winter that affect the dispersal of pollutants in the atmosphere. In summer, unstable atmospheric conditions result in mixing of the atmosphere and rapid dispersion of pollutants. Summer rainfall also aids in removing pollutants through wet deposition. In contrast, winter is characterized by atmospheric stability caused by a persistent high-pressure system over South Africa. This dominant high-pressure system results in subsidence, causing clear skies and a pronounced temperature inversion over the Highveld. This inversion layer traps the pollutants in the lower atmosphere, which results in reduced dispersion and a poorer ambient air quality. Preston-Whyte and Tyson (1988) describes

the atmospheric conditions in the winter months as highly unfavourable for the dispersion of atmospheric pollutants.

Plumes emitted at night from stacks during stable conditions can be transported up to thousands of kilometres downwind of the source before reaching ground level in a well diluted state. During day-time however, strong convection currents transport plumes upward and downward whilst drifting downwind (Mpumalanga State of Environment report, 2003). Pollutants thus reach ground level close to the point source of emission and are well diluted due to convective mixing (Turner, 2001). Emissions at low levels (such as from mine residue deposits, households or vehicles) do not disperse much at night because of the atmospheric stability, resulting in high concentrations of pollutants at ground level despite the relatively low emissions quantities. During the day, these low-level emissions are readily mixed into the convective layer close to the earth's surface (Turner, 2001), which results in lower concentrations of pollutants at ground level and better air quality.

### **3.3 Noise**

The project area has some crop farming activities and also patches of plantations. The farm boundary covers the farmhouses and pans/ wetlands inclusive within its boundaries. The R25 national road passes through the farm and the R544 also lies in close proximity to farm. The tractors operating on crop farms, traffic on the R25 and R544 are a primary source of noise in the area hence ambient noise levels have already been impacted. In the proposed copper, tin and tungsten prospecting right area, noise will be generally from machinery operating on site which will not last for more than 5 days.

### **3.4 Geology**

#### **3.4.1 Regional Geology**

##### **The Bushveld Igneous Complex (BIC)**

The proposed project area lies within the Nebo granites of the Lebowa granite suite in the Bushveld Igneous Complex.

The Bushveld Igneous Complex in South Africa is the world's largest layered intrusion. The intrusion is divided into four (4) limbs: the northern, southern, eastern and western limb. The BIC is made up of the four lithological units:

- Rustenburg Layered Suite
- Lebowa Granite Suite
- Rashedoop Granophyre Suite and
- Rooiberg Group.

The (BIC) formed as massive crustal emplacements of predominantly mafic intrusive and extrusive rocks and comprises of suites of layered mafic complexes and sills that intruded the floor rocks of the Transvaal Supergroup.

It is Neoproterozoic in age and is in the central northeast portion of the Kaapvaal Craton in southern Africa. The BIC consists of three major plutonic suites – the granophyres, the layered mafic rocks and the successive granite plutonism. Geochronological data for the mafics of the Rustenburg Layered Suite and the felsics of the Lebowa Granite Suite yield age constraints for emplacement over a 6 my period (2060-2054 Ma) but is thought that these two elements were essentially emplaced coevally from petrogenetic considerations (Robb et al, 2000). The Complex was mainly intruded beneath the older cover of the Rooiberg Group volcanic. The total area of the complex has-been estimated at 65 000 km<sup>2</sup> (Hunter, 1976). The map below portrays the BIC.

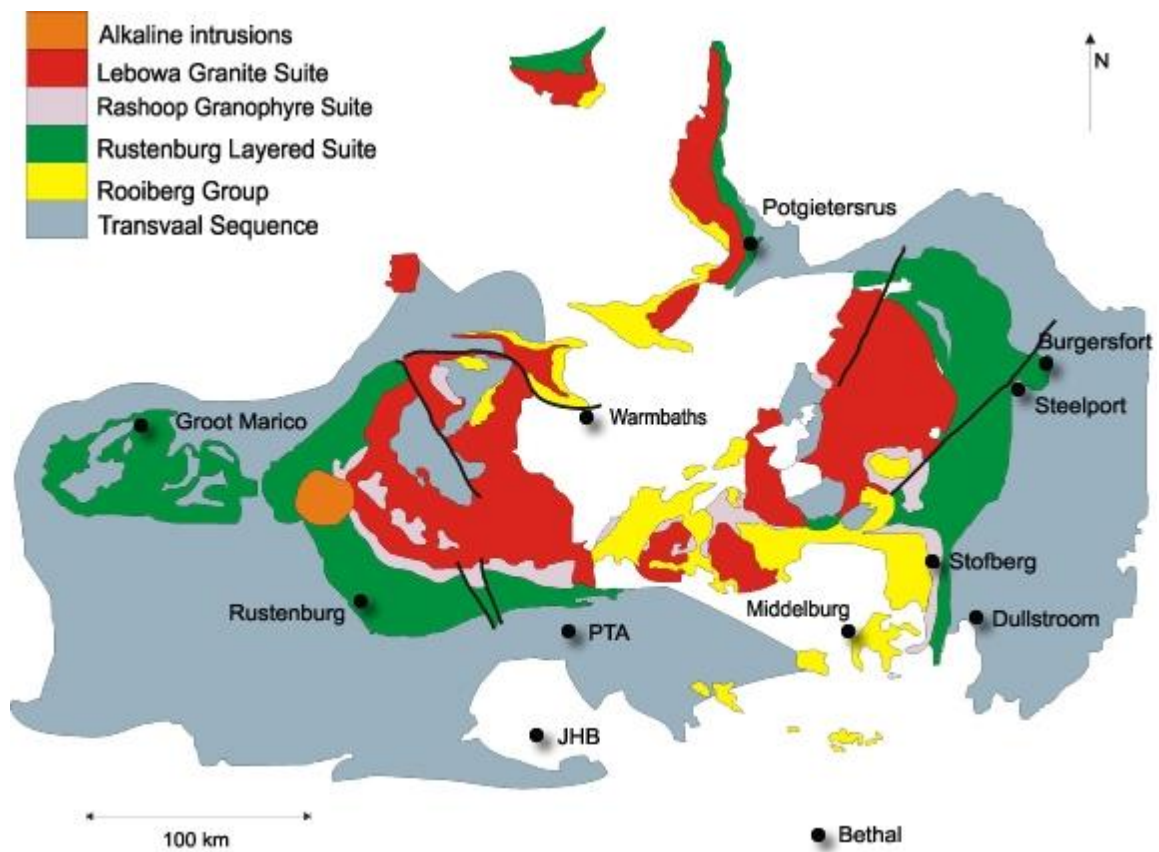


Figure 10: Simplified geological map of Bushveld Igneous Complex

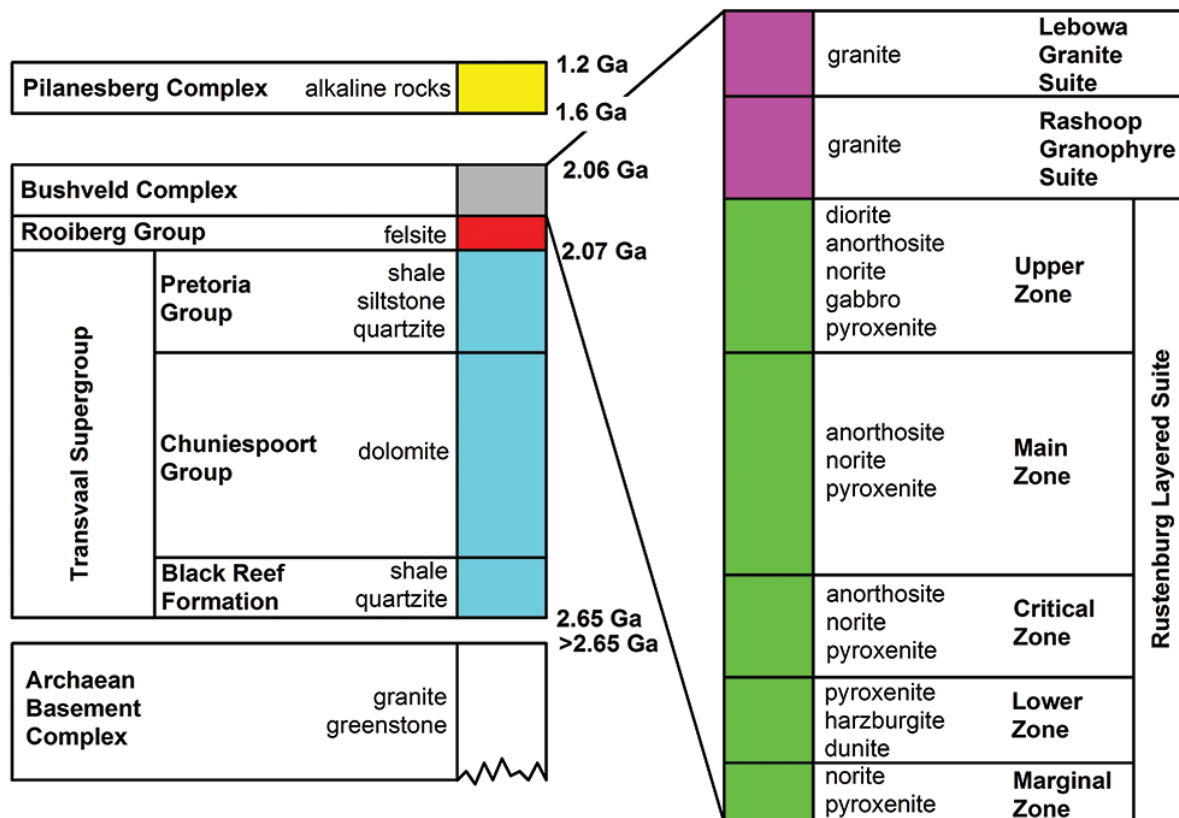


Figure 11: Simplified stratigraphic succession of the central part of the Kaapvaal craton (left) and a more detailed subdivision of the Bushveld Igneous Complex (right)

### Lebowa Granite Suite

The youngest units of the Bushveld Complex have been studied by Kleemann & Twist, (1989), Walraven & Hattingh, (1993) and Hatton & Schweitzer, (1995) among others. The ~ 2052-Ma Lebowa Granite Suite (LGS) represents the culminating phase of an Early Proterozoic magmatic cycle in the Central Transvaal area of the Kaapvaal. Following extrusion of at least 200,000 km<sup>3</sup> of intermediate to acid volcanics (Rooiberg Felsite), mafic and ultramafic magmas intruded at 2065 Ma to form the Rustenburg Layered Suite (RLS). The LGS includes the Nebo, Makhutso, Bobbejaankop, Lease, and Klipkloof granites. The Nebo Granite intruded the Rooiberg Felsite as sheets up to 4 km thick above the RLS. Smaller stocks of the other granites crosscut the Nebo.

Field relationships, radiometric age determinations and geochemical studies have demonstrated the existence of several textural varieties of granites within the Bushveld Complex.

## **Nebo Granite**

The Nebo Granite forms a regional sill like intrusive of A-type granite (Kleeman and Twist, 1989; MacCaskie, 1983; McCarthy and Hasty, 1976; Hill et al., 1996). It has an estimated thickness of some 2.5km (McCaskie, 1983). De Waal (1963), Snyman (1958) and Marlow (1976) described the main phase of this granite as red to grey in colour, coarse grained.

Granular K-feldspar perthite, quartz and plagioclase are the major constituents, whereas hornblende, biotite and muscovite are minor constituents. Accessory minerals include opaque minerals, zircon, rutile and fluorite. Local granophyric and aplitic varieties are developed.

Walraven and Hattingh (1993) provide information on a dyke of Nebo Granite cutting the basic rocks of the Bushveld Complex. some 1500 m below the granite in the area north-west of Potgietersrus, in the northern lobe of the Complex. This dyke is believed to be a feeder to the main body of Nebo Granite (Walraven and Hattingh, 1993).

## **Rashoop Granophyre Suite**

The Rashoop Granophyre Suite of the Bushveld Complex is subdivided by Walraven (1987a) into three different types.

- Stavoren Granophyre

This granophyre is present throughout the Bushveld Complex and predates the basic rocks and granites of the Complex (Walraven, 1985). It is magmatic in origin and cogenetic with Rooiberg Group volcanics. It consists of medium to fine-grained rocks composed of K-feldspar, plagioclase and quartz together with hornblende, minor biotite and accessory iron oxide and zircon. It is characterised by micrographic intergrowths of quartz and feldspar. It includes sedimentary xenoliths where roof rocks are sedimentary, and spherulitic zones where they consist of Rooiberg Group volcanics (Hall, 1932, Walraven, 1985).

- Diepkloof Granophyre

This is texturally like the Stavoren Granophyre and restricted to the eastern part of the Bushveld Complex underlying volcanic rocks of Rooiberg Group (Walraven, 1985). It is cogenetic with granodioritic rocks present in similar geologic settings elsewhere in the Bushveld Complex and is presumed to have formed by the melting of volcanic

roof rocks as a result of intrusion of basic rocks of the complex. It has the same age as the basic rocks (Walraven, 1985).

- Zwartbank Pseudogranophyre

It is restricted to parts of the Bushveld Complex underlying the sedimentary rocks of Pretoria Group. It differs texturally from Stavoren and Diepkloof Granophyre and consists of intergrown quartz and feldspar indicative of replacement (Walraven, 1985). It is believed to have been formed by severe recrystallisation of sedimentary roof rocks as a result of intrusion of basic rocks of the Bushveld (De Waat, 1972, Walraven, 1985).

### **Rustenburg Layered Suite**

The Rustenburg Layered Suite contains mainly mafic rocks and comprises rock types ranging from Dunite, Pyroxenite, Norite, Gabbro and Anorthosite to Magnetite and Apatite rich Diorite, demonstrating a complete differentiation sequence for basic magma. The Rustenburg Layered Suite is subdivided into different Zones:

- Upper Zone
- Main Zone
- Critical Zone
- Lower Zone, and
- Marginal Zone.

The limbs and zones are based on geographical location and stratigraphic /lithology units respectively. The Main Zone consists of medium-grained Norite with minor Proxenite. The rocks contain variable amounts of Quartz and Biotite. The Lower Zone consists of Pyroxenite and Olivine bearing rocks, such as Bronzinite and Harzburgite. The Critical Zone, known for its chromite deposits, consists of layered Chromite, Pyroxenite, Norite and Anorthosite. The Critical Zone is also host to the world's largest platinum-PGE deposit, situated primarily in the Merensky Reef, at the Critical Zone-Main Zone interface, and the UG2 chromitite seam. The Critical Zone, found in both the eastern and western lobes of the Bushveld Complex, contains the largest stratiform chromitite deposits in the world, which account for nearly 55 % of the world's reserves. Numerous chromitite layers have been identified and have been subdivided into Lower Group, Middle Group and Upper Group chromitite seams. The Upper Zone is host to about 25 titaniferous–vanadiniferous-magnetite layers.



Open-cast reserves throughout the Bushveld Complex are estimated at about 26 000 Mt (Reynolds, 1986).

The Main Zone is a thick succession of Norite and gabbro-norite with minor Anorthosite and Pyroxenite layers.

### **Rooiberg Group**

The Rooiberg Group of South Africa forms the roof of the intrusive Bushveld Complex and represents the first volcanic/igneous activity associated with the feature. This group is one of the largest accumulations of rhyolitic rocks in the world. The Rooiberg Group consists of four formations, which include in ascending order, the Dullstroom, Damwal, Kwaggasnek and Schrikkloof formations (Schweitzer, 1987; Schweitzer et al., 1995).

Rooiberg Group range upward from predominately mafic units in the Dullstroom Formation to a series of increasingly felsic rocks in the Damwal, Kwaggasnek, and Schrikkloof formations. The Rooiberg Group and the Bushveld Complex have been interpreted as the result of multiple impacts of meteorites or comets (Schweitzer and Hatton).

### **Transvaal Supergroup**

The Transvaal Supergroup formed during the late Archaean to early Proterozoic and is preserved within three structural basins on the Kaapvaal Craton, one of which is the Transvaal and Griqualand West Basin. As described by Barnard (2000) and Foster (1984), this sequence consists mostly of volcanic rocks such as lava, tuff, andesite, basalt and rhyolite and sedimentary rocks which include quartzite, sandstone, shale, conglomerate and dolomite. Diabase sills and dykes form part of the Transvaal sequence as well. The Transvaal Supergroup underlies the Bushveld Igneous Complex.

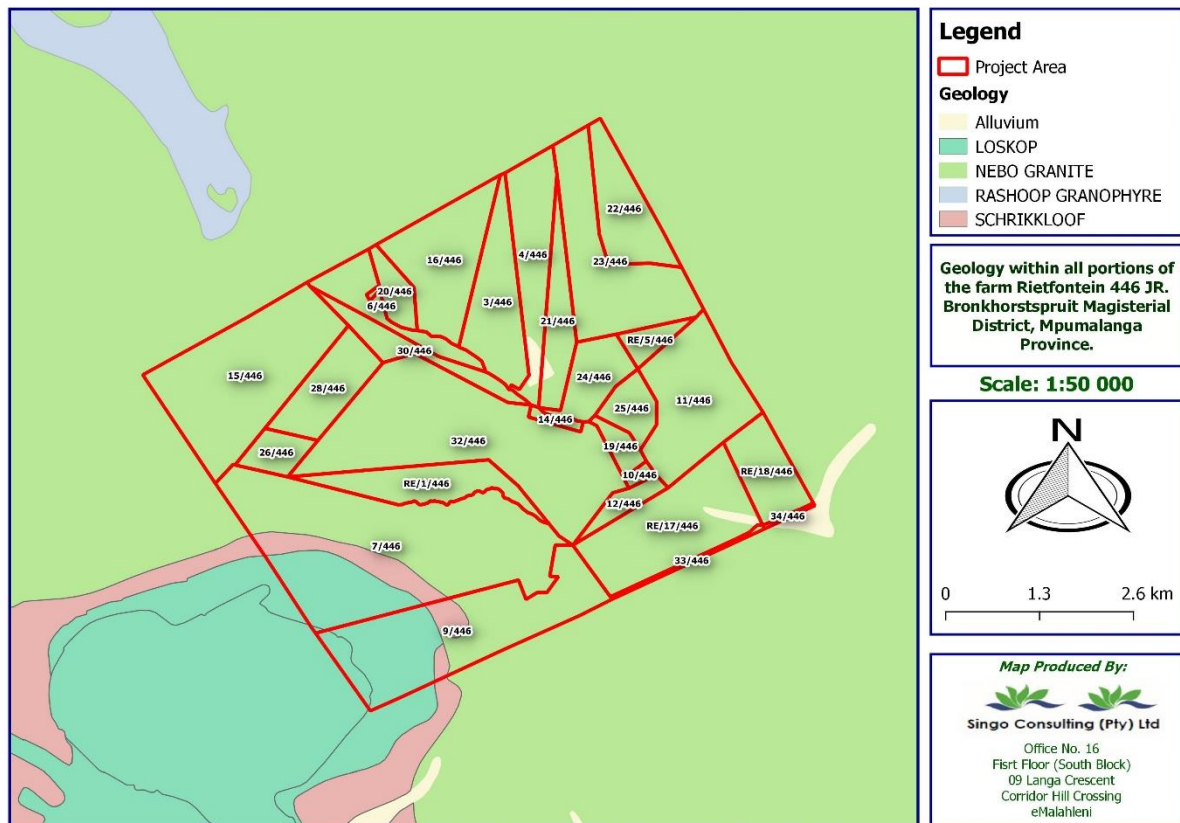


Figure 12: The local Geology of the area.

#### 4 Soil Study

The proposed prospecting project situated in Bronkhorstspuit where soil cover can be classified into four as seen in the figure below. Undifferentiated shallow soils and land classes, Freely drained structureless soils and Lithosols (shallow soils on hard or weathering rock).

##### Lithosols

The project area is dominated by Lithosols (shallow soils on hard or weathering rock). Lithosols can get water runoff from the rock associated with it. The soils have a small depth of soil and are correlated with instability. They lack well defined horizons especially in entisol. The soils consist of partially weathered rock fragments and are usually found on steep slopes. Lithosols can also be described as moderately to highly leached, red soils with a plinthic catena.

## Freely, drained, structureless soils

These soils are defined as well drained, dark reddish soils with a marked bright, strong blocky (nutty) structure, typically fine (red soils). There may also be one or more vertical or melanic soils. The soil category can show, soil depth constrained, normal or unnecessary.

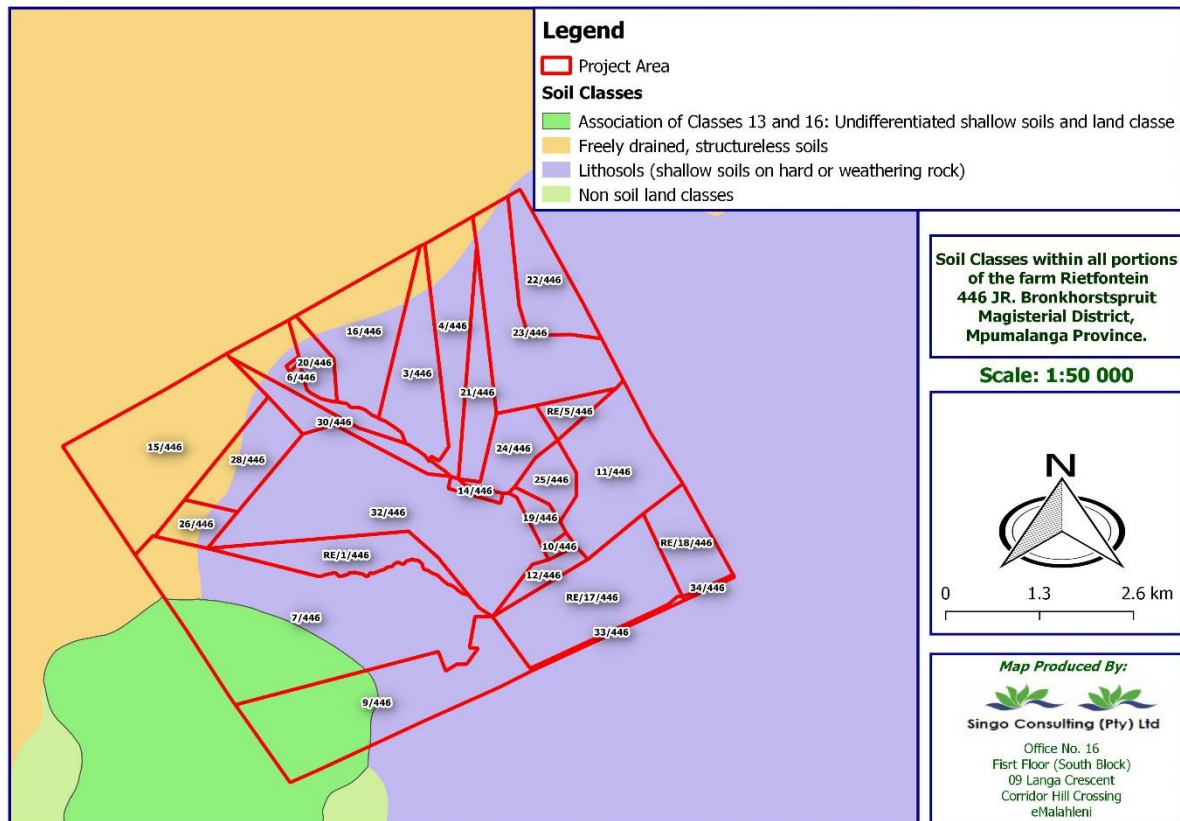


Figure 13: Soil study of the area of interest

### 4.1 Water Resources

The project area falls within the eastern boundary of the B20J quaternary catchments. The Olifants water management area lies in northern Mpumalanga and the B20J quaternary catchment lies within the eastern boundary of the Olifants water management.

The Wilge River runs through the B20J quaternary catchment.

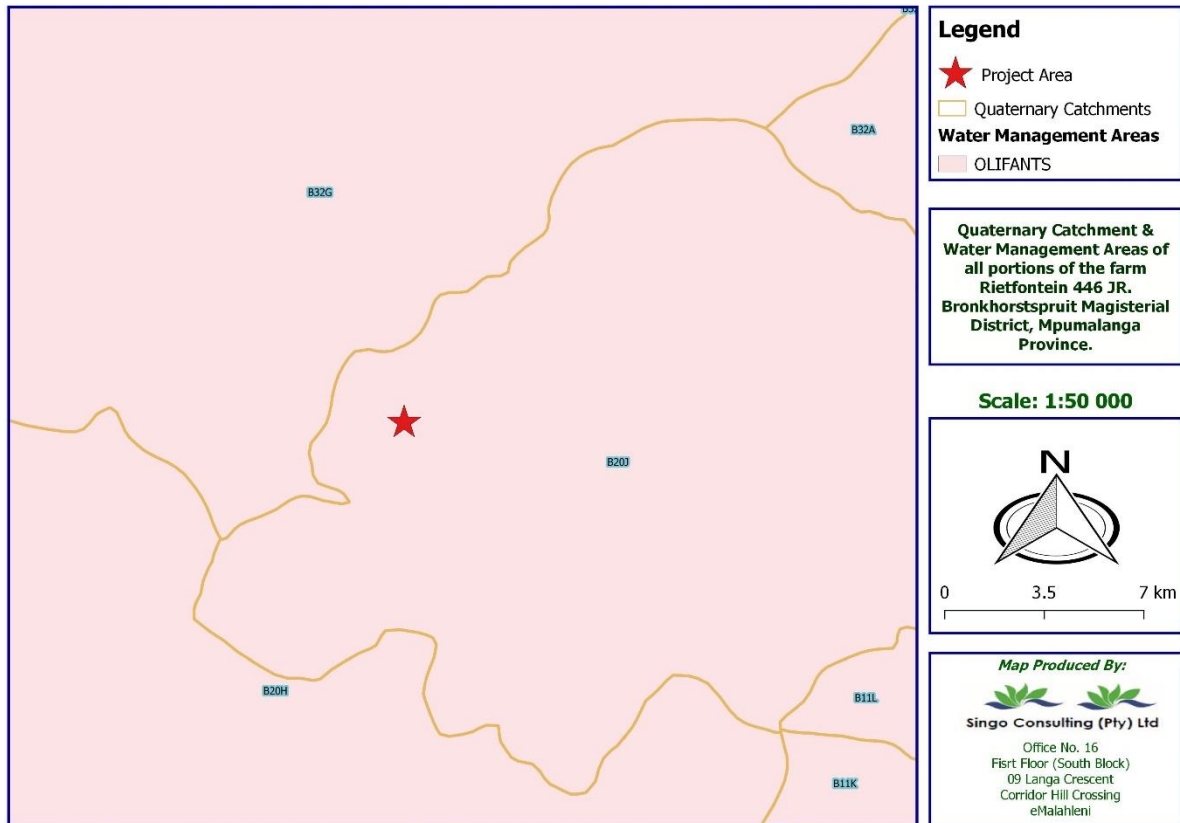


Figure 14: Quaternary catchment and water management area

#### 4.1.1 Surface Water

According to the wetland sensitivity map below, there is a sensitive wetland body within the project area. Furthermore, the presence of water body means that water resources on site must be protected. All activities must take place 500m away from the water bodies and if that cannot be done then the water bodies must be channeled away from the site. All activities must be conducted in a manner that ensures the protection of water resources from pollution; best practice guidelines must be applied.

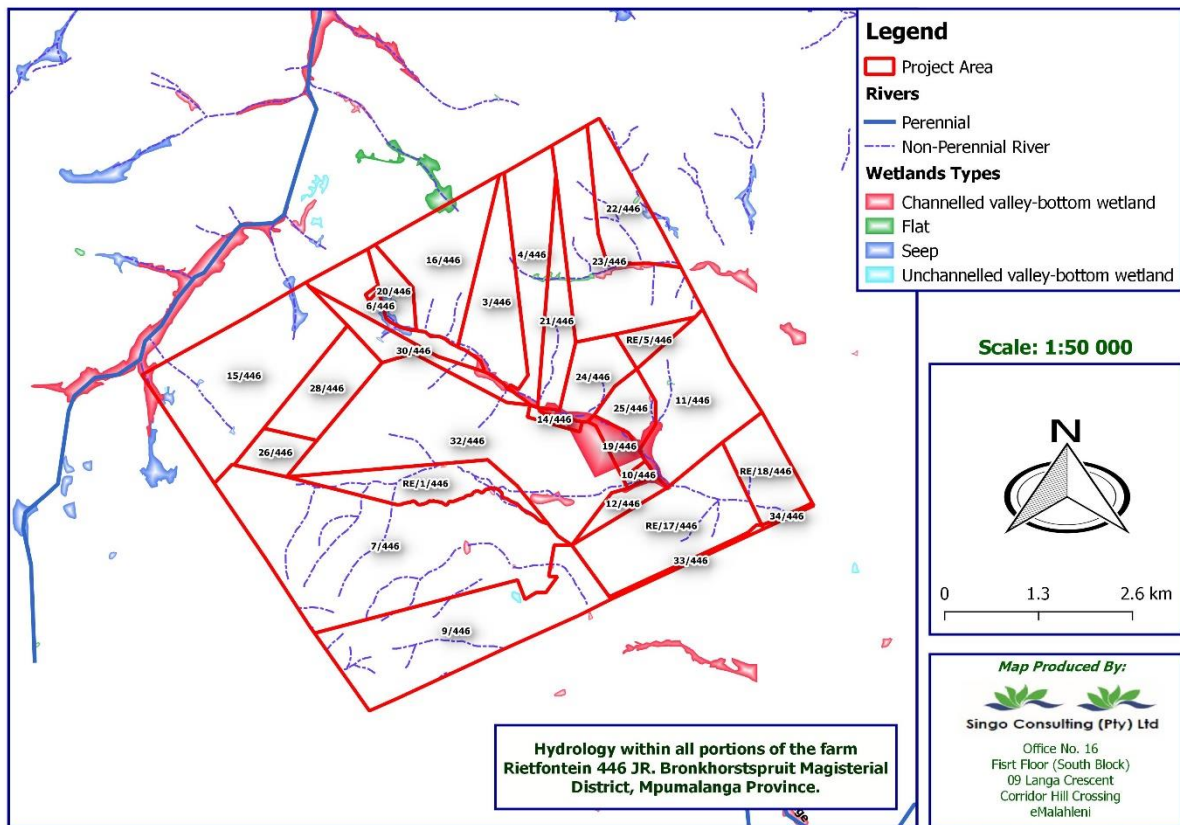


Figure 15: Environmental Sensitive Area Wetlands.

#### 4.1.2 Ground Water

The rock types underlying the study site can be divided into two distinct aquifers, namely a shallow weathered aquifer and a deeper fractured aquifer (source: Trans alloys Groundwater Model – MVB Groundwater Consulting).

**Shallow aquifer:** This aquifer mainly comprises unconsolidated sand and clay. The depth of weathering based on the geological borehole logs and some field investigations varies between 0m to 12m in depth. Recharge to this aquifer occurs from rainfall as well as from surface water sources. (source: Trans alloys Groundwater Model – MVB Groundwater Consulting).

**Deep fractured aquifer:** The primary porosity of the Ecca Group rocks does not allow significant groundwater flow, except where the porosity has been increased by subsequent secondary structures, such as faults and dykes. No dykes were however, detected in the study area.

The area has a wetland on site as mentioned above and any prospecting activities that will commence will have to be done 200m away from the buffer zone.

## 4.2 Flora and Fauna

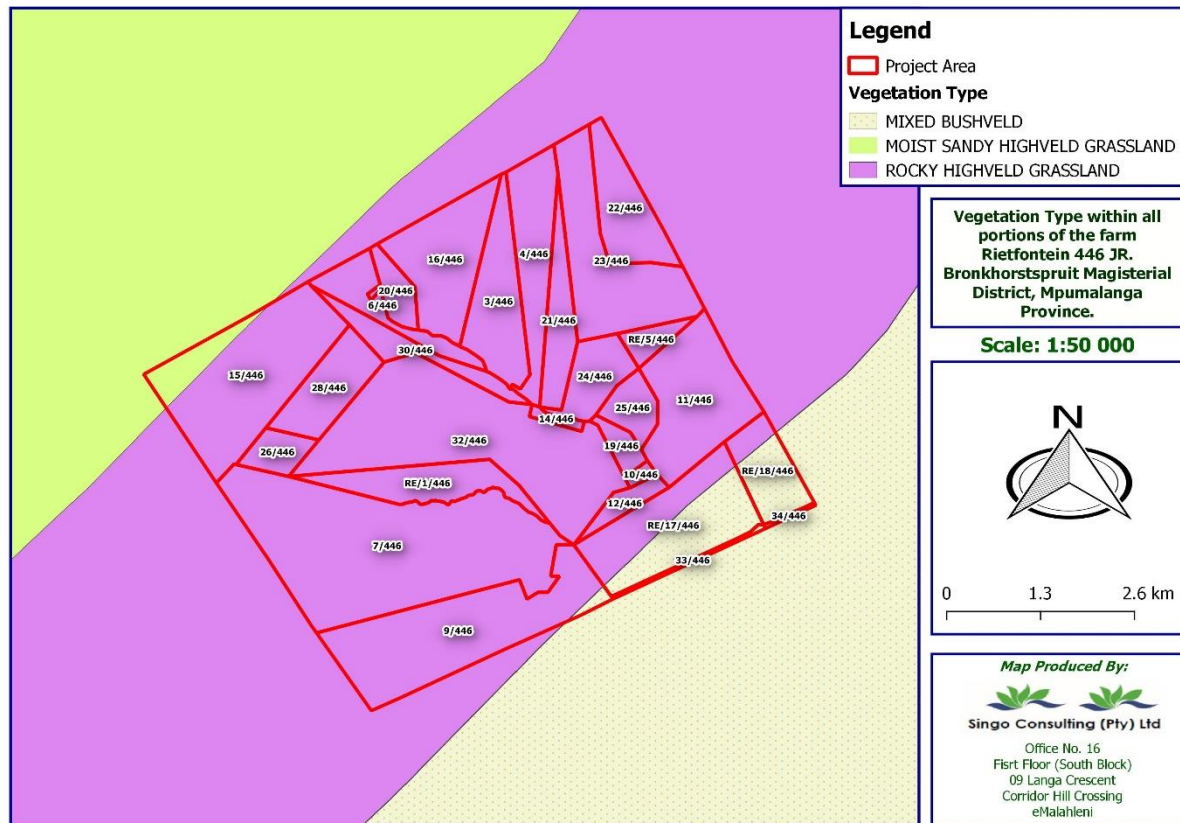


Figure 16: Vegetation map of the project area

The most prominent vegetation type in the project area is Rocky Highveld grassland.

### Rocky Highveld Grassland

The proposed project falls within the Rocky Highveld grassland type which includes grassland species, Drakensberg flora and Kalahari thorn veld. The vegetation of rocky highveld grassland is transitional between grassland biome to savanna and consists of mosaic grassland and woodland. This vegetation type is located extremely north of grassland and central grassland to the south, Drakensburg to the east, savanna to the north and Kalahari to the west.

Due to the diverse variety of species, plant communities and available habitat, this vegetation type should be conserved.





*Photo 2: Vegetation on site*

#### **4.2.1 Fauna**

Fauna is all the animal life present in a particular region or time.

Mpumalanga is faunally diverse with approximately 163 mammal species consisting of 98 smaller and 64 larger species. It is the objective of Mpumalanga Tourism and Parks Agency (MTPA) to conserve all of these species in situ. The grassland and forest biomes sustain many endemic and red data mammal species. The grassland biome is one of the biomes in which Red Data Book (RDB) insectivore richness is



concentrated (Gelderblom, Bronner, Lombard & Taylor, 1995). High mammalian species richness occurs in savannahs, which could be as a result of the wide variety of habitats available. In Mpumalanga Province, savanna areas with the availability of sufficient cover, karst areas, wetlands, pans and a well-managed mosaic of short and tall grassland, are habitats that significantly contribute towards the ecological requirements of certain mammal species.

Smaller mammal species are extremely vulnerable to feral cats and dogs. Limited animal burrows (Yellow Mongoose, Highveld Gerbil, Multimammate Mouse) and African Molerat are around the sandy sections of the open grasslands.

All Flora and Fauna species will be conserved and all potential impacts on Floral and faunal species will be managed using management framework stipulated on the National Environmental Management: Biodiversity Act (Act No. 10 of 2004).

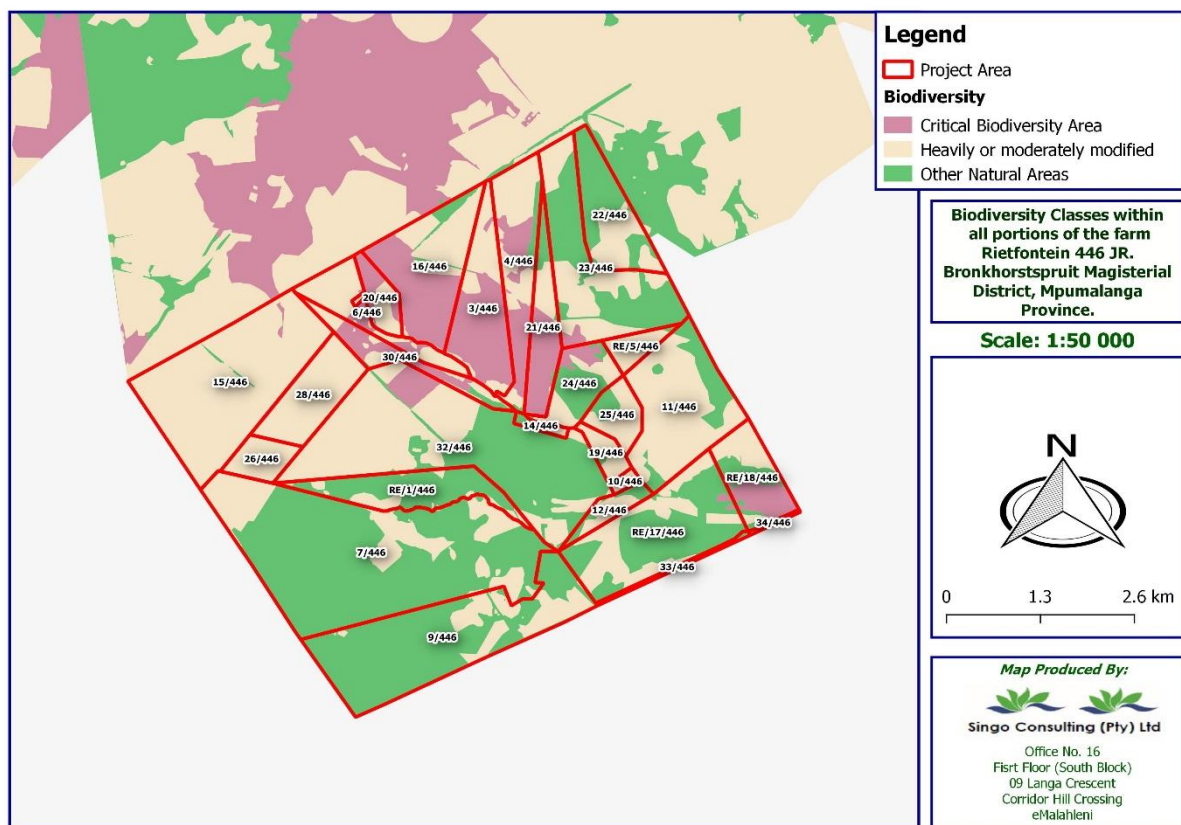


Figure 17: Biodiversity map of the project area.

### **4.3 Heritage Resources**

Heritage resources such as Stone Age sites, rock paintings and engravings; stone tools; small, inconspicuous stone walled sites from the Late Iron Age farming communities; formal and informal graveyards, etc may occur in the study area.

The Phase 1 Heritage Impact Assessment conducted revealed that no heritage resources of significance occur within the study area or stand to be affected by the proposed project. There will therefore be no impacts on archaeological or cultural historical sites for any phases of the project.

It is essential to note that it is possible that the Phase 1 HIA may have missed heritage resources in the project area, as some heritage sites may occur in thick clumps of vegetation while others may lie below the surface of the earth and may only be exposed once development commences.

Should, however, any heritage resources of significance be exposed during the rather operational phase of the project, the South African Heritage Resources Authority (SAHRA) should be notified immediately, all development activities should be stopped, and an archaeologist accredited with the Association for Southern African Professional Archaeologist (ASAPA) should be notified to determine appropriate mitigation measures for the discovered finds. This may include obtaining the necessary authorisation (permits) from SAHRA to conduct the required mitigation measures.

### **4.4 Socio-Economic**

The study area for the proposed project lies within Thembisile Hani Local Municipality located in Nkangala District Municipality of Mpumalanga province. It is a semi-urban local Municipality consisting of 57 villages within which there are 5 (five) established townships.

It has a population of approximately 310 458 individuals. The municipality's population by age structure can be seen in the figure below:

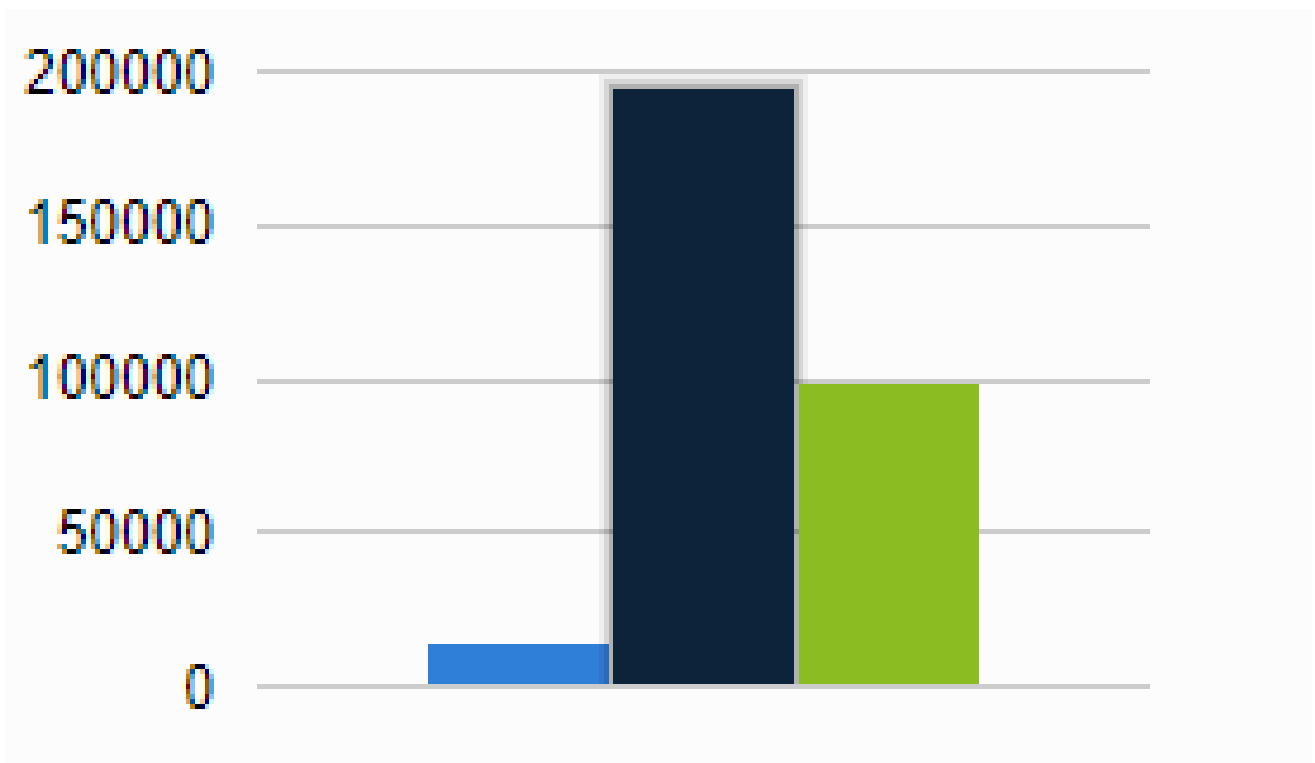


Figure 18: Population by age structure of Thembisile Hani Local Municipality

- Over 65 years (4.90%)
- 16-64 years (62.9%)
- Under 15 years (32.10%)

Other statistics of the municipality are as follows:

- Dependency Ratio Per 100 (15-64): 58.90
- Sex Ratio Males per 100 females: 90.70
- Population Growth Per annum: 1.91%
- Labour market Unemployment Rate: 37.00% (official)
- Youth Unemployment Rate -15-34: 49.40% (official)
- Education (aged 20 +) No Schooling: 18.00%
- Higher Education: 5.20%
- Matric: 26.10%
- Households: 75 634
- Average Household Size: 4.10

#### 4.5 Description of the current land uses.

The locality and extent of current land use within and around the prospecting right area is shown in the figure below. The surrounding land uses are associated with agricultural activities (crop cultivation), some natural land and unimproved grassland.

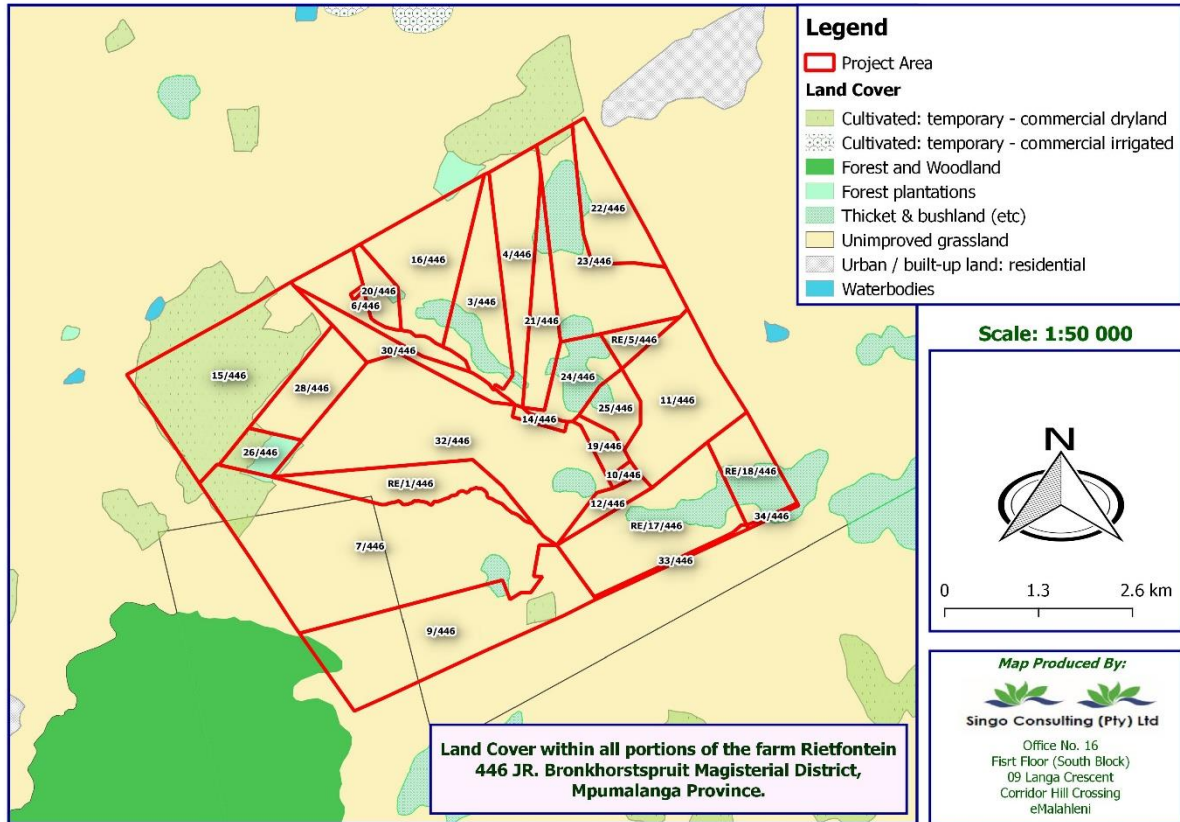


Figure 19: Land use Map of the area of interest.

#### 4.6 Description of specific environmental features and infrastructure on the site.

There was infrastructure and vegetation that was observed on site namely:

- Farmhouses
- Telecommunication tower
- Jabali Private Game Reserve
- Shrubs/Bushes
- Trees

## 5 Environmental and current land use map.

(Show all environmental, and current land use features)

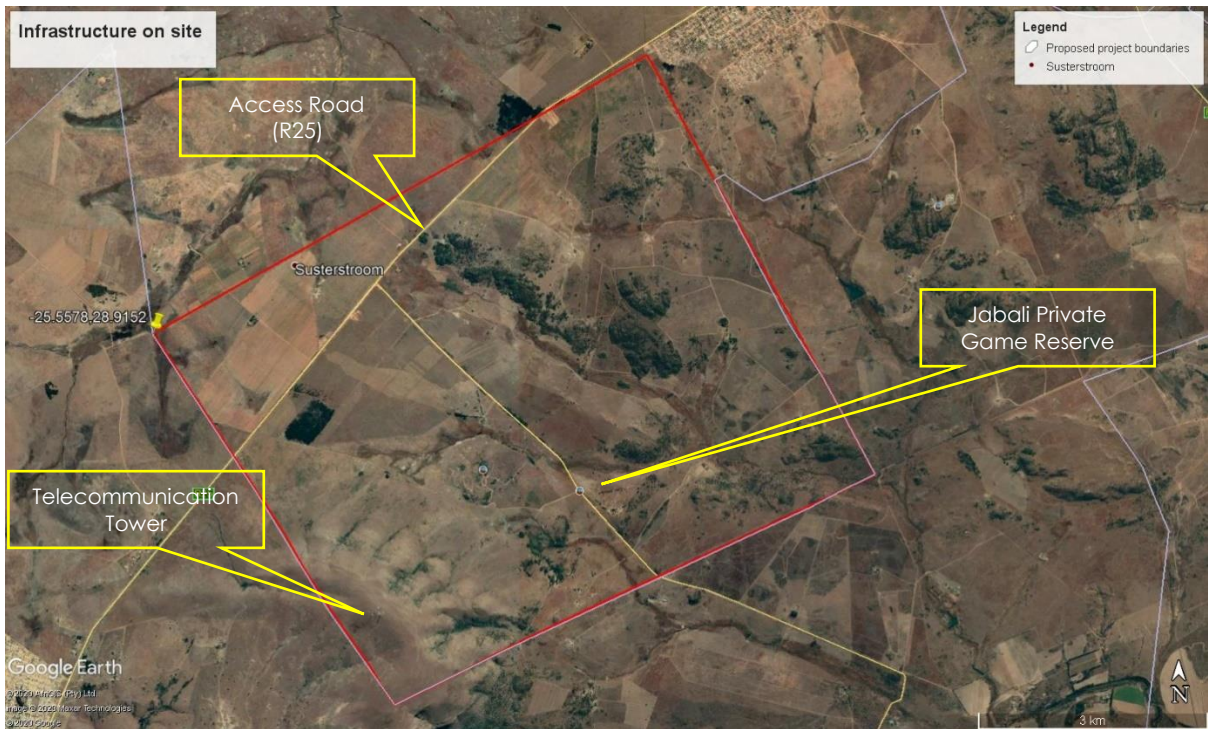


Figure 20: Infrastructure on site

**6 Impacts and risks identified including the nature, significance, consequence, extent, duration and probability of the impacts, including the degree to which these impacts**

(Provide a list of the potential impacts identified of the activities described in the initial site layout that will be undertaken, as informed by both the typical known impacts of such activities, and as informed by the consultations with affected parties together with the significance, probability, and duration of the impacts. Please indicate the extent to which they can be reversed, the extent to which they may cause irreplaceable loss of resources, and can be avoided, managed or mitigated).

Element	Aspects and Impacts	Mitigation	Impact (post-mitigation)			
			Extent	Duration	Probability	Level of Significance
Soils	There will be minor disturbance of the soil at the proposed drill sites.	Rehabilitate each site as soon as the drilling is completed.	Low	Short Term	Definite	Low
Vegetation	The potential impact of the proposed prospecting on the vegetation would occur at proposed drilling sites and the access routes used to get to these sites. However large parts of the site have been transformed.	Environmental awareness training. Drillers to comply with all EMP procedures. Drilling sites to be located in disturbed areas wherever possible. The prospecting area including drill sites and access routes are to be rehabilitated to as near original condition as possible. No fires to be made in the prospecting area.	Low	Short Term	Definite	Low
Animal life	Animal life will be affected in the immediate vicinity of the drilling rig. It is anticipated that the noise and general activity will keep the animal life away from the site while the prospecting is ongoing.	Environmental awareness training for workers. If any animals are encountered they must not be killed or injured, but should rather be removed or chased away from the site. All gates will be kept closed.	Low	Short Term	Definite	Low
Surface Water	There are no rivers, on site, however there is a wetland.	Water for drilling to be obtained bought and brought on site.	Low	Short term	Possible	Low
Ground water	No groundwater will be used or abstracted during the prospecting operations.	Establish EMP procedures to minimise hydrocarbon spills.	Low	Short Term	Possible	Low
Air Quality	Dust will not be created due to road maintenance that is done constantly by hakhona colliery and during drilling operations.	Establish EMP procedures to minimise the generation of dust. Ensure vehicles drive slowly.	Low	Short Term	Probable	Low



Noise	Noise will be created by the drilling rig and vehicles. However, this is a sparsely populated agricultural and mining area.	Ensure vehicles and equipment are maintained. Silencers should be fitted on all engines.	Low	Short Term	Definite	Low
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Cultural Heritage	There are no known important heritage resources on the site.	If any heritage resources, including fossils, graves or human remains, are encountered these must be reported to the authorities.	Low	Short Term	Possible	Low
Visual	The prospecting activity will not change the visual character of the property.	Rehabilitate drill sites and access tracks.	Low	Short Term	Definite	Low
Socioeconomic	The effect of this prospecting activity for employment and socio-economic regime would be positive, but very limited in extent and duration. If a significant resource is delineated this could have a significant positive socio-economic impact, however a mining right application would be subject to a separate EIA process.	Environmental awareness training will be provided to all workers. Maximise procurement of goods and services from local providers.	Low	Short Term	Definite	Low (positive)
Social Neighbours	The prospecting operations should not impact on the neighbours due to the distance and low intensity of the prospecting operation.	Ensure compliance with the EMP. Ensure workers do not trespass onto neighbours' property. Maintain communications and keep a "Complaints Register" on site.	Low	Short Term	Possible	Low
Solid Waste	All solid waste will be transported to the nearest municipal waste site. Any industrial (hazardous) waste will be transported to a suitable waste disposal facility.	Ensure compliance with the EMP. Include in environmental awareness training. Workers will not stay overnight at the site.	Low	Short Term	Definite	Low
Traffic and access	Prospecting activities will generate very limited additional traffic. Prospecting vehicles are to access the property via existing roads and tracks only.	Comply with traffic regulations. Keep to speed limits. Ensure compliance with the EMP.	Low	Short Term	Definite	Low
Cumulative Impacts	There are no significant cumulative impacts associated with this prospecting programme.	No mitigation required for prospecting.	N/A	N/A	N/A	N/A



## 7 Methodology used in determining and ranking the nature, significance, consequences, extent, duration and probability of potential environmental impacts and risks;

(Describe how the significance, probability, and duration of the aforesaid identified impacts that were identified through the consultation process was determined in order to decide the extent to which the initial site layout needs revision).

### 7.1 Criteria to Consider when Determining Severity of impacts

The ranking of impacts / determination of significance is estimated using two criteria, namely Consequence and Probability. These consider the contributing factors / criteria listed in the legislation. The definitions of each are provided below.

The evaluation of impacts is conducted in terms of the criteria detailed in Tables below. The various environmental impacts and benefits of this project are discussed in terms of impact status, extent, duration, probability, and intensity. Impact significance is regarded as the sum of the impact extent, duration, probability and intensity and a numerical rating system has been applied to evaluate impact significance; therefore, an impact magnitude and significance rating is applied to rate each identified impact in terms of its overall magnitude and significance.

In order to adequately assess and evaluate the impacts and benefits associated with the project it was necessary to develop a methodology that would scientifically achieve this and to reduce the subjectivity involved in making such evaluations. To enable informed decision - making it is necessary to assess all legal requirements and clearly defined criteria in order to accurately determine the significance of the predicted impact or benefit on the surrounding natural and social environment.

The **Consequence** of an impact resulting from an aspect is expressed as a combination of:

- **Nature** of impact: An indication of the extent of the damage (negative impacts) or benefit (positive impacts) the impact inflicts on natural, cultural, and/or social functions (environment).

Table 6: Impact Status

Rating	Description	Quantitative rating
Positive	A benefit to the receiving environment.	P
Neutral	No cost or benefit to the receiving environment.	-
Negative	A cost to the receiving environment.	N

- **Extent** of impact: A spatial indication of the area impacted (i.e. how far from activity the impact is realised). The extent of an impact is considered as to whether impacts are either limited in extent or if it affects a wide area or group of people. Impact extent can be site specific (within the boundaries of the development area), local, regional or national and/or international.

Rating	Description	Quantitative rating
Low	Site-specific: Occurs within the site boundary.	1
Medium	Local: Extends beyond the site boundary. Affects the immediate surrounding environment (i.e. up to 5 km from the project site boundary).	2
High	Regional: Extends far beyond the site boundary, widespread effect (i.e. 5 km and more from the project site boundary).	3
Very high	National and/or international, extends far beyond the site boundary, widespread effect.	4

- **Duration** of impact: A temporal indication of the how long the effects of the impact will persist, assuming the activity creating the impact ceases. For example, the impact of noise is short lived (impact ceases when activity ceases) whereas the impact of removing topsoil exists for a much longer period of time.

Table 7: Impact Duration

Rating	Description	Quantitative rating
Low	Short term: Quickly reversible, less than project lifespan, 0-5 years.	1
Medium	Medium term: Reversible over time, approximate lifespan of the project, 5-17 years.	2
High	Long term: Permanent. Extends beyond the decommissioning phase, >17 years.	3

- **Impact Probability:** The probability of the impact describes the likelihood of the impact actually occurring.

Table 8: Impact Probability

Rating	Description	Quantitative rating
Improbable	Possibility of the impact materializing is negligible,	1

	chance of occurrence <10%.	
Probable	Possibility that the impact will materialize is likely, chance of occurrence 10 – 49.9%.	2
Highly probable	It is expected that the impact will occur, chance of occurrence 50 – 90%.	3
Definite	Impact will occur regardless of any prevention measures, chance of occurrence >90%.	4
Definite and cumulative	Impact will occur regardless of any prevention measures, chance of occurrence >90% and is likely to result in cumulative impacts	5

- **Frequency of the impact occurring:** An indication of how often an aspect, as a result of a particular activity, is likely to occur. Note that this does not assess how often the impact occurs. It applies only to the aspect. For example driving takes place daily whilst other activities takes place monthly while the resultant frequency of the impacts occurring will vary based on a number of factors.
- **Impact Intensity:** The intensity of the impact is determined to quantify the magnitude of the impacts and benefits associated with the proposed project.

Rating	Description	Quantitative rating
Maximum benefit	Where natural, cultural and / or social functions or processes are positively affected resulting in the maximum possible and permanent benefit.	+5
Significant benefit	Where natural, cultural and / or social functions or processes are altered to the extent that it will result in temporary but significant benefit.	+4
Beneficial	Where the affected environment is altered but natural, cultural and / or social functions or processes continue, albeit in a modified, beneficial way.	+3
Minor benefit	Where the impact affects the environment in such a way that natural, cultural and / or social functions or processes are only marginally benefited.	+2
Negligible benefit	Where the impact affects the environment in such a way that natural, cultural and / or social functions or processes are negligibly benefited.	+1
Neutral	Where the impact affects the environment in such a way that natural, cultural and / or social functions or processes are not affected.	0
Negligible	Where the impact affects the environment in such a way that	-1

	natural, cultural and / or social functions or processes are negligibly affected	
Minor	Where the impact affects the environment in such a way that natural, cultural and / or social functions or processes are only marginally affected.	-2
Average	Where the affected environment is altered but natural, cultural and / or social functions or processes continue, albeit in a modified way.	-3
Severe	Where natural, cultural and / or social functions or processes are altered to the extent that it will temporarily cease.	-4
Very severe	Where natural, cultural and / or social functions or processes are altered to the extent that it will permanently cease.	-5

The proposed activities have very low significance since these are short term activities. The probability of occurrence of an impact was determined and most of these activities can be controlled and impacts can be reduced or avoided. The probability was also used basing on looking at other prospecting activities of similar nature. Generally prospecting activities have low impact on the environment. The planned activities negative impacts can be controlled and avoided or minimised therefore the layout does not require revision. Changes in plan will be discussed with the farmers and approvals will be signed.

- **Impact Significance:** The impact magnitude and significance rating is utilised to rate each identified impact in terms of its overall magnitude and significance.

Impact	Rating	Description	Quantitative rating
Positive	High	Of the highest positive order possible within the bounds of impacts that could occur.	+12-16
	Medium	Impact is real, but not substantial in relation to other impacts that might take effect within the bounds of those that could occur. Other means of achieving this benefit are approximately equal in time, cost and effort.	+6-11
	Low	Impacts is of a low order and therefore likely to have a limited effect. Alternative means of achieving this benefit are likely to be easier, cheaper, more effective and less time consuming.	+1-5
No impact	No impact	Zero impact	0
Negative	Low	Impact is of a low order and therefore likely to	-1-5

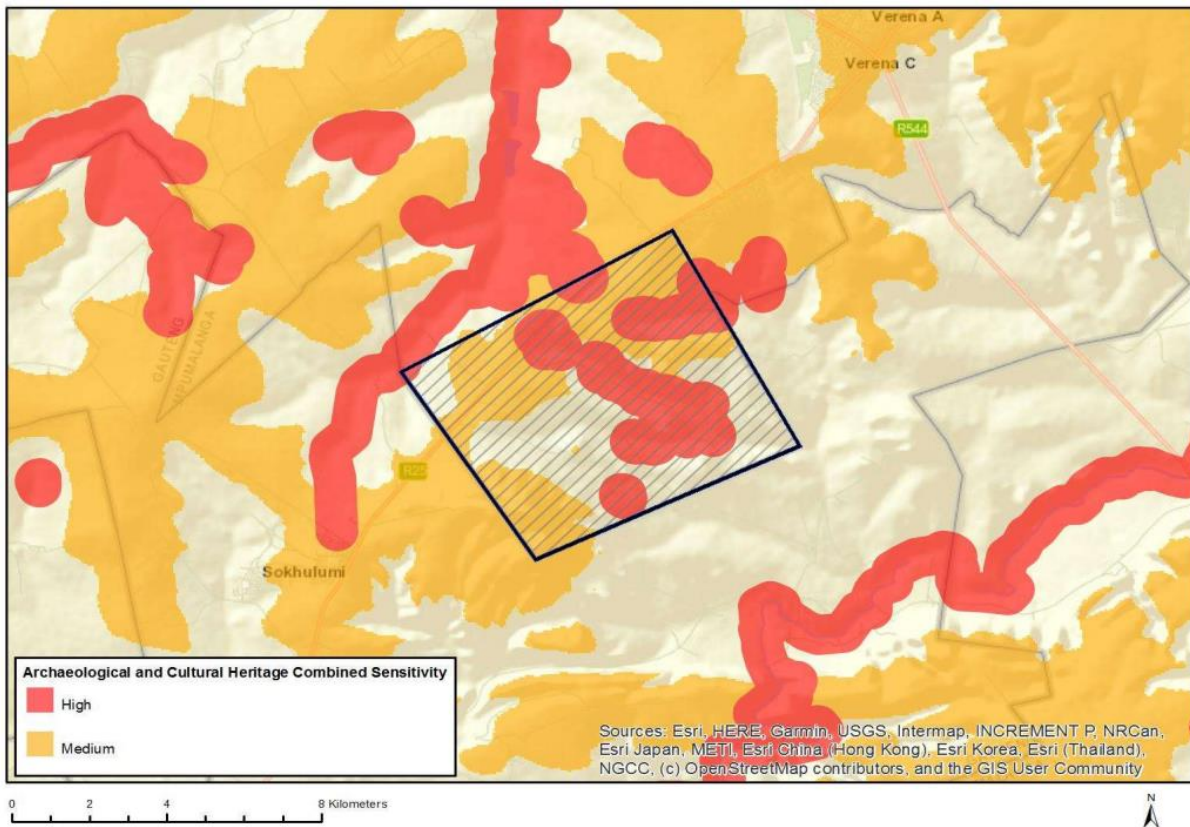
	have little real effect. In the case of adverse impacts, mitigation is either easily achieved or little will be required, or both. Social, cultural, and economic activities of communities can continue unchanged.	
Medium	Impact is real, but not substantial in relation to other impacts that might take effect within the bounds of those that could occur. In the case of adverse impacts, mitigation is both feasible and fairly possible. Social cultural and economic activities of communities are changed but can be continued (albeit in a different form). Modification of the project design or alternative action may be required.	-6-11
High	Of the highest order possible within the bounds of impacts that could occur. In the case of adverse impacts, there is no possible mitigation that could offset the impact, or mitigation is difficult, expensive, time-consuming or a combination of these. Social, cultural and economic activities of communities are disrupted to such an extent that these come to a halt.	-12-16

**8 The positive and negative impacts that the proposed activity (in terms of the initial site layout) and alternatives will have on the environment and the community that may be affected.**

(Provide a discussion in terms of advantages and disadvantages of the initial site layout compared to alternative layout options to accommodate concerns raised by affected parties)

**8.1 Potential impact on heritage resources**

No graves or historical ruins were observed in the proposed prospecting area. The area has been extensively used for mining and agriculture in the past and therefore no to very limited heritage resources are present. According to the screening report which can be found in Appendix C the area has high sensitivity near water bodies and a mountain/ridge (see Figure 21 below).



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

**Sensitivity Features:**

Sensitivity	Feature(s)
High	Within 500 m of an important river
High	Within an important wetland
High	Within 500 m of an important wetland
Medium	Mountain or ridge

Figure 21: Sensitivity map (Source: Screening Report)

The prospecting is so localised that it is not anticipated that there will be any impact on heritage resources. The major activity involved in prospecting is drilling and it is going to be done along current access routes and a measurable distance from the sensitive areas.

**8.2 Potential impacts on communities, individuals, or competing land uses in close proximity**

The following impacts are regarded as community impacts:

- Potential groundwater and soil pollution resulting from accidental hydrocarbon spills and soil erosion

- Noise during prospecting operations- There are no residential housing within the radius from the prospecting sites therefore noise impact will be limited
- Influx of persons (job-seekers) to site as a result of increased activity and the possible resultant increase in opportunistic crime
- Creation of limited temporary jobs for locals. Impact on current land use: A large majority of the prospecting area is currently used for agricultural activities.

### **8.3 Potential impact of vegetation**

Prospecting site will be cleared to a maximum of 100 m<sup>2</sup>. Therefore, vegetation clearance will be limited and sites will be sited as to avoid large trees or shrubs. The site camp will be established at the existing farm houses therefore no vegetation clearance will be required. Existing access roads will be utilised.

## **9 The possible mitigation measures that could be applied and the level of risk.**

(With regard to the issues and concerns raised by affected parties provide a list of the issues raised and an assessment/ discussion of the mitigations or site layout alternatives available to accommodate or address their concerns, together with an assessment of the impacts or risks associated with the mitigation or alternatives considered).

This section contains guidelines, operating procedures and rehabilitation/pollution control requirements which will be binding on the holder of the prospecting right after approval of the Environmental Management Plan. It is essential that this portion be carefully studied, understood, implemented and adhered to at all time.

The applicant shall ensure that this Environmental Management Plan is provided to the Project Manager and any other person or organisation who may work on the site. TR Engineering Projects (Pty) Ltd Development shall ensure that any person or organisation that works on the site complies with the requirements of this Environmental Management Plan.

### **9.1 Responsibility**

- The environment affected by the prospecting operations shall be rehabilitated, as far as is practicable, to its existing state.
- The environment affected by prospecting shall be maintained in a stable condition that will not be detrimental to the safety and health of humans and animals.



- The prospecting shall not result in the pollution of the environment or lead to the degradation thereof.
- It is the responsibility of the Company to ensure that the Project Manager, employees and contractors are capable of complying with all the statutory requirements which must be met in order to prospect, which includes the implementation of this EMP.
- The Project Manager will be responsible for the practical implementation of this EMP.

### **Schedule**

Ongoing, during the prospecting period.

### **9.2 Community relations**

The Company shall notify the landowner two weeks before prospecting operations commence. The notice shall include contact details for any complaints about the actual prospecting activities.

The Company shall keep a "Complaints Register" on site. The Register shall contain the contact details of the person who made the complaint, and information regarding the complaint itself. The Company shall respond to all complaints within seven days. Copies of all responses should be kept together with the Register.

### **Schedule**

Ongoing, during the prospecting period.

### **9.3 Layout Plan**

A copy of the layout plan as provided for in Regulation 2(2) must be available at the prospecting site for scrutiny when required.

### **Schedule**

Ongoing, during the prospecting period.

### **9.4 Workers**

Environmental awareness training must be provided to all workers. Workers will not be allowed to trespass onto neighbouring properties.

### **Schedule**

Ongoing, during the prospecting period.

#### **9.5 Protection of flora and fauna**

Except to the extent necessary for carrying out the prospecting activities, flora shall not be removed, damaged or disturbed nor shall any vegetation be planted.

It is anticipated that the noise and general activity will keep the animal life away from the site whilst drilling is taking place. If animals are encountered during the prospecting operations they must not be killed or injured. Trapping, poisoning and / or shooting of animals is strictly prohibited. No domestic pets are permitted on site.

#### **Schedule**

Ongoing, during the prospecting period.

#### **9.6 Road safety and access**

The access road to and routes in the prospecting area must be established in consultation with the landowner and existing roads and tracks shall be used as far as practicable. The erection of temporary gates in fence lines and the open or closed status of farm gates is not necessary as there is already existing fence and gates. No new roads are to be constructed on this site. Tracks across areas covered by natural vegetation will be kept to the absolute minimum required.

Employees must comply with all speed and traffic regulations on public roads and should not exceed 40km/hour on farm roads.

#### **9.7 Schedule**

Ongoing, during the prospecting period.

#### **9.8 Water**

Water for drilling will be sourced from Sedibeng water points and will be brought to the drilling sites by a bowser. No groundwater will be used or abstracted during the drilling programme. Employees will bring in their own drinking water on a daily basis.

#### **9.9 Schedule**

Ongoing, during the prospecting period.

#### **9.10 Office / Camp Site**

In order to minimise impacts in the prospecting area, no temporary office or camp site will be established. All employees will stay offsite. The employees will drive to the site every day when drilling operations are in progress.

A security company may be contracted to protect the drilling equipment overnight or over weekends if the drill contractors have a weekend off.

### **Schedule**

Ongoing, during the prospecting period.

### **9.11 Vehicles and Fuel**

Vehicles will be kept to the absolute minimum required to complete the prospecting tasks. This will consist of 4WD vehicles (bakkies), a drilling rig, a water bowser and a fuel bowser. All servicing and refuelling of the support vehicles will take place in town (i.e. outside of the prospecting area).

If emergency maintenance is required in the field, the Company must ensure that no pollution occurs. When servicing equipment, drip trays shall be used to collect the waste oil, hydraulic fluid and other lubricants. Drip trays shall be provided in the prospecting area for stationary plant (such as the drill rig).

Vehicles and equipment used in the prospecting operation must be adequately maintained so that no spillage of oil, diesel, petrol or hydraulic fluid occurs.

Only the drilling rig will need to be refuelled in the prospecting area. The surface under the refuelling point shall be protected against pollution by means of carefully placed drip trays. If any hazardous substances such as fuels and oils etc. are brought to the site and left overnight then they shall be securely stored in an open area with temporary fencing in a previously disturbed area. This area should be located on a facility with a PVC lining in order to prevent soil and groundwater pollution.

The Company shall ensure that there is always a supply of absorbent material available to absorb / breakdown / encapsulate minor hydrocarbon spills. The quantity of such materials shall be able to handle a minimum of a 200 litre hydrocarbon spill.

Used oil should be collected in a suitable container and this should then be removed from the site, either for resale or for recycling.

Any effluents or waste containing oil, grease or other industrial substances must be collected in a suitable container and removed from the site, either for resale, recycling or for appropriate disposal at a recognised facility.

**Schedule**

Ongoing, during the prospecting period.

**9.12 Toilet facilities**

Portable chemical toilets must be brought to the site during the Invasive Prospecting Phases (i.e. Drilling). These toilets must be serviced regularly.

**Schedule**

Ongoing, during the prospecting period.

**9.13 Waste management**

Suitably covered containers shall be available at the drilling rig at all times and conveniently placed for the disposal of waste.

Biodegradable waste and non-biodegradable waste (e.g. glass bottles, plastic bags, metal scrap, etc.) shall be disposed of in different containers. All waste must be removed from the site on a daily basis and disposed of at a recognised waste disposal facility (e.g. nearest municipal waste site). Specific precautions shall be taken to prevent waste from being dumped on or in the vicinity of the prospecting site.

If any hazardous waste is generated, then this must be transported to a recognised waste disposal facility.

**Schedule**

Ongoing, during the prospecting period.

**9.14 Effluents**

Any effluents or waste containing oil, grease or other industrial substances must be collected in a suitable container and removed from the site, either for resale, recycling or for appropriate disposal at a recognised facility.

**Schedule**

Ongoing, during the prospecting period.

#### **9.15 Access to drill sites**

The project manager will flag the most appropriate access route to each drill site. Drill site access tracks shall be rehabilitated, as far as is practicable, to their original state. A map showing the proposed sites for the second phase of activity must be submitted to the DMRE for approval before the second phase of drilling commences.

#### **Schedule**

Peg positions of borehole sites prior to commencement of drilling operations. Vehicle access requirements are ongoing, during each drilling phase.

#### **9.16 Drilling**

The following procedures at each drilling site must be complied with:

- Every effort must be made to minimise the area needed at each drilling site.
- Vegetation should not be cut or trimmed unless absolutely essential.
- The area that was disturbed by the drilling operation at each site shall be rehabilitated, as far as is practicable, to its original state as soon as the drilling is completed.
- Photographs, for monitoring purposes, should be taken before drilling commences and after each drilling site has been rehabilitated. These photographs should be included in the required Performance Assessment Reports.

#### **Schedule**

Ongoing, during the prospecting period.

#### **9.17 Heritage Resources**

If any heritage resources, including graves or human remains, are encountered these should be reported to responsible authorities immediately.

#### **9.18 Windblown sand and dust**

During prospecting operations all reasonable measures must be taken to minimise the generation of dust and to prevent windblown sand. These measures include:

- Removal or cutting of vegetation shall be avoided unless absolutely essential.
- Vehicles should not exceed 40 km/hour along farm roads.

### **Schedule**

Ongoing, during the prospecting period.

#### **9.19 Noise**

The noise levels on the site should be limited by taking the following measures:

- Vehicles and equipment should be regularly maintained.
- Silencers should be installed and maintained on machinery, trucks and prospecting equipment.
- No loud music should be played in the prospecting area.

### **Schedule**

Ongoing, during the prospecting period.

#### **9.20 Rehabilitation**

If the access tracks to the drill sites and the drill sites themselves result in new patches of exposed earth, then it will be necessary to re-establish a protective vegetative cover over these areas. This can be achieved by contracting labour to manually cut and prune branches from the local shrubs and spread these over the area to be rehabilitated. Seeds from these branches will fall onto the ground. The spread cut branches will hold the topsoil and sand in place (i.e. protect it from erosion), help to retain moisture in the soil and also initially protect the seedlings of germinating plants.

### **Schedule**

Rehabilitation of the drilling sites – immediately after each drilling phase.

## **10 Environmental Related Emergencies and Remediation**

The Company will operate on the principle that “prevention is better than cure” and so will institute procedures to reduce the risk of emergencies taking place. These will include ensuring that all contracts specify that the contractor is required to comply with all the environmental measures specified in this EMP, environmental awareness training, on-going risk assessment and emergency preparedness.

### **Emergency telephone numbers**

All employees shall have the telephone numbers of emergency services, including the local ambulance and fire fighting service. All employees must be made aware of procedures to be followed during the environmental awareness training course.

### **Fire**

The Company shall ensure that there is basic fire fighting equipment available on Site at all times. This shall include at least two rubber beaters and at least one fire extinguisher. The Company shall advise the relevant authority of a fire as soon as one starts and shall not wait until the fire is out of control.

### **Hydrocarbon spills**

The Company shall ensure that all employees are aware of the procedures to be followed for dealing with hydrocarbon spills. The Company shall ensure that the necessary materials and equipment for dealing with hydrocarbon spills and leaks is available on Site at all times.

The Company shall ensure that there is always a supply of absorbent material readily available to absorb/ breakdown and where possible is designed to encapsulate minor hydrocarbon spillage. The quantity of such materials shall be able to handle a minimum of 200 l of hydrocarbon liquid spill.

There are a number of different products on the market, which can be used as absorbents and encapsulators of hydrocarbons. The following are examples of these products:

- Spill-Sorb
- Drizzit
- Enretech
- Peat Moss



In the event of a significant hydrocarbon spill, the following procedure is required:

- The source of the spillage shall be isolated
- The spillage must be contained using sand berms, sandbags, pre-made booms, sawdust or absorbent materials.
- The area shall be cordoned off, secured and made safe.
- If a serious spill has occurred in a sensitive environment, then the Department of Environmental Affairs and Development Planning: Directorate Pollution & Waste Management must be notified.

Treatment and remediation of spill areas shall be undertaken to the satisfaction of the Project Manager. Remediation may include in-situ bioremediation using appropriate products (e.g. Enretech-1 and / or the removal of the spillage together with the contaminated soil and the disposal at a recognised facility.

#### **11 Motivation where no alternative sites were considered.**

Since exploration is temporary in nature no permanent structures will be constructed, Negotiations and agreements will be made with the farm owners to use any existing infrastructure like access roads and their farmhouses.

#### **12 Statement motivating the alternative development location within the overall site.**

**(Provide a statement motivating the final site layout that is proposed)**

As is clear from the information provided, each of the phases is dependent on the results of the preceding phase. The location and extent of drilling will be determined based on information derived from the desktop investigations and surveys. An estimated number and extend have been provided, but this will be finalised.

Since exploration is temporary in nature no permanent structures will be constructed, Negotiations and agreements will be made with the farm owner to use any existing infrastructure like access roads, farmhouses and other things like coreshed.

#### **13 Full description of the process undertaken to identify, assess and rank the impacts and risks the activity will impose on the preferred site (In respect of the final site layout plan) through the life of the activity.**

**(Including (i) a description of all environmental issues and risks that erer identified during the environmental impact assessment process and (ii) an assessment of the significance of each issue and**

**risk and an indication of the extent to which the issue and risk could be avoided or addressed by the adoption of mitigation measures.)**

In order to identify the potential impacts associated with the proposed prospecting activities the following steps were undertaken:

- Landowner and stakeholder consultation Environmental assessment conducted for neighbouring projects
- A detailed desktop investigation was undertaken to determine the environmental setting in which the project is located. Based on the desktop investigations various resources were used to determine the significance and sensitivity of the various environmental considerations. The desktop investigation involved the use of:
  - South African National Biodiversity Institute (SANBI) Biodiversity
  - Geographic Database LUDS system
  - Geographic Information System base maps
  - Municipal Integrated Development Plan and Spatial Development Framework.
- Site visits conducted in 19 January 2019. The site visit was used to ground truth the desktop information.
- The rating of the identified impacts was undertaken in a quantitative manner as provided in this document. The ratings are undertaken in a manner to calculate the significance of each of the impacts. The EAP also assesses the outcomes of the calculation to determine whether the outcome reflects the perceived and actual views.
- The identification of management measures is done based on the significance of the impacts and measures that have considered appropriate and successful, specifically as Best Practical and Economical Options.

## 14 Assessment of each identified potentially significant impact and risk

(This section of the report must consider all the known typical impacts of each of the activities (including those that could or should have been identified by knowledgeable persons) and not only those that were raised by registered interested and affected parties).

Table 9: Potential impacts per activity and listed activity

<b>NAME OF ACTIVITY</b>  <b>(E.g. For prospecting – drill site, site camp, ablation facility, accommodation, equipment storage, sample storage, site office, access route etc...etc...etc</b>  <b>E.g. For mining,- excavations, blasting, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablation, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.)</b>	<b>POTENTIAL IMPACT</b>  (Including the potential impacts for cumulative impacts)  (e.g. dust, noise, drainage surface disturbance, fly rock, surface water contamination, groundwater contamination, air pollution etc....etc...)	<b>ASPECTS AFFECTED</b>	<b>PHASE</b>  In which impact is anticipated  (e.g. Construction, commissioning, operational Decommissioning, closure, post-closure)	<b>SIGNIFICANCE</b> if not mitigated Pos High (+12-16), Pos Medium (+6 – 11), Pos Low (+1-5), No impact (0), Neg Low (-1-5), Neg Medium (-611), Neg High (-12-16)	<b>MITIGATION TYPE</b>  (modify, remedy, control, or stop) through (e.g. noise control measures, stormwater control, dust control, rehabilitation, design measures, blasting controls, avoidance, relocation, alternative activity etc. etc)  E.g. Modify through alternative method. Control through noise control Control through management and monitoring through rehabilitation..	<b>SIGNIFICANCE</b> if mitigated Pos High (+12-16), Pos Medium (+6 – 11), Pos Low (+15), No impact (0), Neg Low (-1-5), Neg Medium (-611), Neg High (-12-16)
Ground / Airborne Surveys	Poor access control	Loss of cattle	Phase 1	5	Access control measures Consultation with landowner	5
Data collection & assessment	None	Not applicable	Phase 2	0	No mitigation required	0
Data assessment	None	Not applicable	Phase 2	0	No mitigation required	0
Site Camp establishment	None	Not applicable	Phase 3	0	No mitigation required	0

Drilling	Noise	Animals and people	Prospecting Phase 3	7	Noise Control. Ensure vehicles and equipment and maintained. Silencers should be fitted on all engines.	5
Drilling	Surface Disturbance	Animals, Environment	Prospecting Phase 3	10	Rehabilitate each site as soon as the drilling is completed. Avoid significant vegetation such as trees and large shrubs Raised blade clearing will be conducted to minimize disturbance and aid rehabilitation efforts Fire emergency procedure will be developed to contain and minimise destruction of flora and faunal habitat which may result from fire	7
Driving	Air pollution	Animals, people,	Prospecting Phase 3	7	Establish EMP procedures to	5

		Environment			minimise the generation of dust. Ensure vehicles drive slowly. Comply with traffic regulations. Keep to speed limits. Ensure compliance with the EMP.	
Drilling	Ground water pollution	Animals, people	Prospecting Phase 3	Medium	Establish EMP procedures to minimise hydrocarbon spills.	Low
Accommodation and Site camp	Solid Waste	Animals, people and environment	Prospecting Phase 3	Low	Ensure compliance with the EMP. Include in environmental awareness training. Workers will not stay overnight at the site.	Low
Access roads	Soil compaction resulting from repeated use of access roads to drill sites	Loss of soil resources	Phase 3	9	Where track clearing is necessary, raised blade clearing be conducted to minimize disturbance and aid rehabilitation efforts As part of rehabilitation, all compacted roads and drill pads will be ripped and revegetated	6

Access roads	Potential destruction of unknown heritage resources	Loss of Cultural and/or Heritage Significant	Phase 3	5	Prior to the establishment of access roads or drill pads, a heritage assessment will be conducted on the selecting drilling sites and access roads. It is anticipated that limited to no heritage resources will be found due to the areas altered and disturbed state	4
GIS & analytical desktop studies	None identified		Phase 4	0	No mitigation required	0

## 15 Summary of specialist reports.

(This summary must be completed if any specialist reports informed the impact assessment and final site layout process and must be in the following tabular form):-

LIST OF STUDIES UNDERTAKEN	RECOMMENDATIONS OF SPECIALIST REPORTS	SPECIALIST RECOMMENDATIONS THAT HAVE BEEN INCLUDED IN THE EIA REPORT (Mark with an X where applicable)	REFERENCE TO APPLICABLE SECTION OF REPORT WHERE SPECIALIST RECOMMENDATIONS HAVE BEEN INCLUDED.

Attach copies of Specialist Reports as appendices (N/A)

## **16 Environmental impact statement**

### **16.1 Summary of the key findings of the environmental impact assessment;**

The majority of the prospecting activities are non-invasive and hence will have very low to negligible environmental or social impact. The invasive activities that entail the drilling of approximately 5 exploration holes will have a minimal environmental and social impact as each drill site will be confined to an area of 0.01 hectares (100m<sup>2</sup>). This needs to be viewed in the context of the entire prospecting license area under application, which covers 4 109.05 ha.

The proposed prospecting operation will not affect any existing alternative land uses on the property or on adjacent property or non-adjacent property. The following actions are subject to the proposed mitigation measures and require monitoring:

- The clearing of vegetation
- The storage of hydrocarbon-based materials on site
- On-site waste management
- The creation of roads/tracks
- The removal of storage and soil
- The traversing of vehicles through populated areas within the prospecting area
- Groundwater: Monitor the water quality of the boreholes
- Surface Water: Monitor water quality of the stream and stream flow

Monitoring of the required mitigation measures is to take place on site daily by the site geologist. Annual monitoring audits are to take place by an appointed independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE.

## 16.2 Final Site Map

Provide a map at an appropriate scale which superimposes the proposed overall activity and its associated structures and infrastructure on the environmental sensitivities of the preferred site indicating any areas that should be avoided, including buffers.

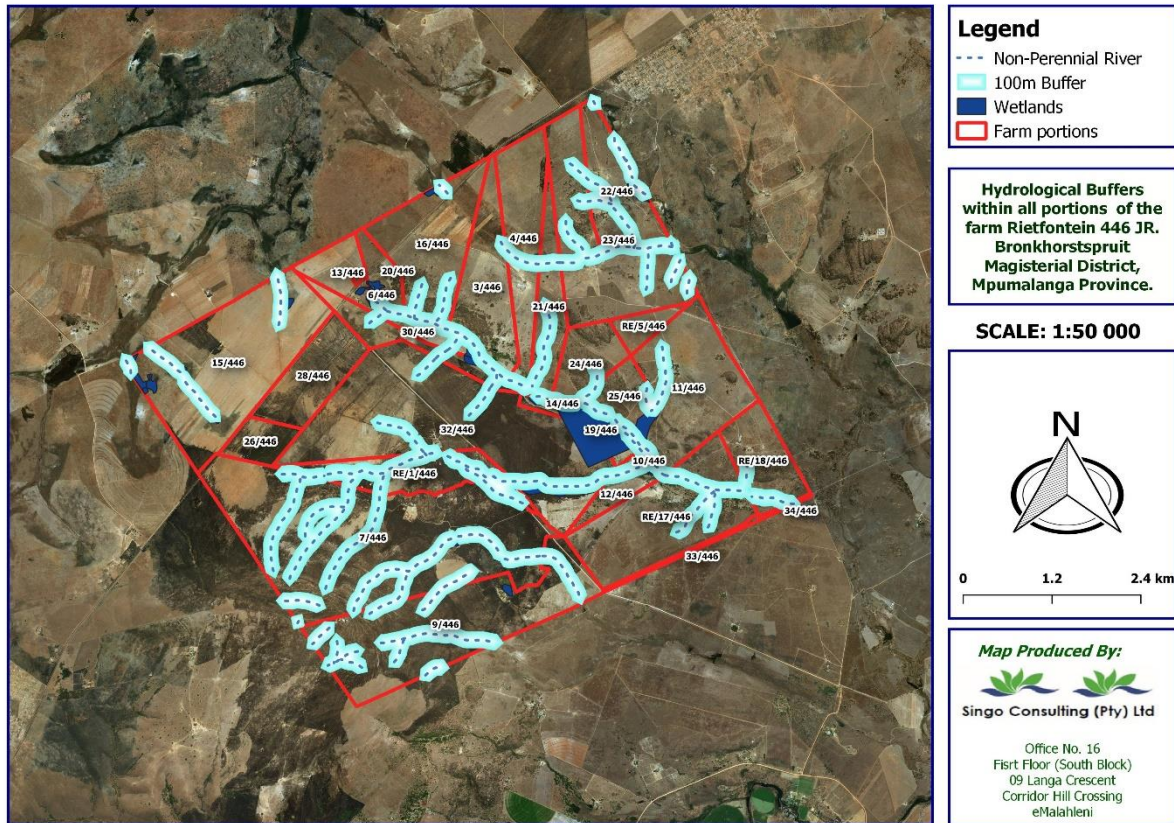


Figure 22: Buffer Zone Map

## 16.3 Summary of the positive and negative impacts and risks of the proposed activity and identified alternatives;

Table 10: Summary of positive and negative impacts

Proposed Activity	Potential Impacts
Desktop Study	No impacts on site
Airborne / Ground Geophysics	<ul style="list-style-type: none"> <li>• Low impacts from short-term staff and vehicle access to the site,</li> <li>• interfering with the animal grazing paddocks</li> <li>• managing fences and gates</li> <li>• Livestock falling into dug trenches</li> <li>• Creation of employment</li> </ul>



Drilling	<ul style="list-style-type: none"> <li>• Access tracks</li> <li>• Disturbance of vegetation and topsoil</li> <li>• Oil &amp; fuel spills</li> <li>• Dust &amp; noise</li> <li>• Labour issues</li> <li>• Litter</li> <li>• Possible discovery of fossils</li> <li>• Creation of employment</li> </ul>
Sample processing / evaluation / decision making	No impacts on site.
Rehabilitation	Replacing topsoil, covering with brushwood etc

The proposed activities have very low significance since these are short term activities. The probability of occurrence of an impact was determined and most of these activities can be controlled and impacts can be reduced or avoided. Generally prospecting activities have low impact on the environment. The planned activities negative impacts can be controlled and avoided or minimised therefore the layout does not require revision. Mitigation measures will be used to control any potential impact.

## **17 Proposed impact management objectives and the impact management outcomes for inclusion in the EMPr;**

**Based on the assessment and where applicable the recommendations from specialist reports, the recording of proposed impact management objectives, and the impact management outcomes for the development for inclusion in the EMPr as well as for inclusion as conditions of authorisation.**

The objectives of the EMPr will be to:

- Provide sufficient information to strategically plan the prospecting activities as to avoid unnecessary social and environmental impacts.
- Provide sufficient information and guidance to plan prospecting activities in a manner that would reduce impacts (both social and environmental) as far as practically possible.
- Ensure an approach that will provide the necessary confidence in terms of environmental compliance.
- Provide a management programme that is effective and practical for implementation. Through the implementation of the proposed mitigation measures it is anticipated that the identified social & environmental impacts can be managed and mitigated effectively.

Through the implementation of the mitigation and management measures it is expected that:

- Noise generation can be managed through consultation and restriction of n operating hours and by maintaining equipment and applying noise abatement equipment if necessary;
- Dust fall can be managed by application of wet suppression on exposed surfaces and use of water during drilling;
- Soil disturbance and clearance of vegetation at drill pad areas will be limited to the absolute minimum required and disturbed areas will be re-vegetated with locally indigenous species as soon as possible;
- Animal life is protected and preserved at all times and the prospecting activities has minimal disturbance to the surrounding habitat;
- Social friction with landowners can be managed by regular engagement with the landowner and the entering into an access agreement with the landowner.

Monitoring of the required mitigation measures is to take place on site daily by the site geologist. Annual monitoring audits are to take place by an appointed independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE.

The Company will operate on the principle that “prevention is better than cure” and so will institute procedures to reduce the risk of emergencies taking place. These will include ensuring that all contracts specify that the contractor is required to comply with all the environmental measures specified in this EMP, environmental awareness training, on-going risk assessment and emergency preparedness.

All employees shall have the telephone numbers of emergency services, including the local ambulance and fire fighting service. All employees must be made aware of procedures to be followed during the environmental awareness training course.

## **18 Aspects for inclusion as conditions of Authorisation.**

Any aspects which must be made conditions of the Environmental Authorisation

Maintain a minimum 500 m buffer from any infrastructure or dwelling; The Landowner should be engaged at least 1 month prior to any site activities being undertaken once

drill sites are known; and a map detailing the drilling locations should be provided to the landowner as well as the DMRE prior to commencement of prospecting activities.

The company should comply with all environmental legislation. Specific aspects to be adhered to from environmental legislation include; National Environmental Management Act, Act 107 of 1998 (NEMA), Minerals and Petroleum Resources Development Act, Act 28 of 2002 (MPRDA), National Water Act, Act 36 of 1998 (NWA) and Conservation of Agricultural Resources Act, Act No. 43 of 1983 (CARA)

## **19 Description of any assumptions, uncertainties and gaps in knowledge.**

(Which relate to the assessment and mitigation measures proposed)

It is assumed that the description of the proposed project, provided by the applicant is sufficient for providing the authorities with the right information for understanding the proposed project.

## **20 Reasoned opinion as to whether the proposed activity should or should not be authorised**

### **20.1 Reasons why the activity should be authorized or not.**

It is the opinion of the EAP that the proposed prospecting activities should be authorised. The environmental impacts associated with the limited drilling activities are minimal provided that the proposed mitigation is implemented; The spatial extent of the physical impact is less than 100m<sup>2</sup> per drill site over a prospecting right area of more than 4 109.05 hectares, 15 drill sites will be established in total throughout the duration of the drilling programme; With appropriate care and consideration the impacts resulting from drilling can be suitably avoided, minimised or mitigated; With implementing the appropriate rehabilitation activities, the impacts associated with the drilling activities can be reversed; and Monitoring of the required mitigation measures is to take place on site daily by the site geologist. Annual monitoring audits are to take place by an appointed independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE.

Without implementation of prospecting activities the knowledge concerning the potential mineral resource within the prospecting right area will not be confirmed.

## **20.2 Conditions that must be included in the authorisation**

The company should comply with all environmental legislation. Maintain a minimum 500m buffer from any infrastructure or dwelling; the landowner should be engaged (re-consulted) at least 1 month prior to any site activities being undertaken once drill sites are known; a map detailing the drilling locations should be provided to the landowners as well as the DMRE prior to commencement of prospecting activities. Record must be kept of the implementation of the EMP measures and monitoring of the efficiency of the implemented measures; and a suitable closure plan must be submitted to show sufficiently providence for the avoidance, management and mitigation of environmental impacts associated with the decommissioning of the proposed activities.

## **21 Period for which the Environmental Authorisation is required.**

The authorisation is required for the duration of the prospecting right which is an initial 5 years plus a potential to extend the right by an additional 3 years. Therefore a total period of 8 years is required.

## **22 Undertaking**

**Confirm that the undertaking required to meet the requirements of this section is provided at the end of the EMPr and is applicable to both the Basic assessment report and the Environmental Management Programme report.**

Confirmed.

## **23 Financial Provision**

**State the amount that is required to both manage and rehabilitate the environment in respect of rehabilitation.**

A financial provision of approximately, **R49 690.00** which includes rehabilitation activities will be made available by TR Engineering projects (Pty) Ltd. The applicant undertakes to provide financial provision through funding from the investors of TR Engineering projects (Pty) Ltd

### **23.1 Explain how the aforesaid amount was derived.**

The drilling contractor will be responsible for rehabilitating the drill pad once the drilling activities have been completed at each exploration hole. The financial guarantee was calculated using the DMRE official financial quantum calculator. This information has been provided in the Prospecting Work Programme that was submitted to the DMRE.

Table 11: Master Rate Calculation

CALCULATION OF THE QUANTUM



**TR Engineering Projects (Pty) Ltd**

Applicant:  
Evaluator:

**Kenneth Singo**

Ref No.:  
Date:

MP/30/5/1/1/2/ 15853 PR

Jan-21

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	0	16	1	1	0
2 (A)	Demolition of steel buildings and structures	m2	0	228	1	1	0
2(B)	Demolition of reinforced concrete buildings and structures	m2	0	336	1	1	0
3	Rehabilitation of access roads	m2	0	41	1	1	0
4 (A)	Demolition and rehabilitation of electrified railway lines	m	0	395	1	1	0
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m	0	216	1	1	0
5	Demolition of housing and/or administration facilities	m2	0	455	1	1	0
6	Opencast rehabilitation including final voids and ramps	ha	0	238697	1	1	0
7	Sealing of shafts adits and inclines	m3	0	122	1	1	0
8 (A)	Rehabilitation of overburden and spoils	ha	0	159131	1	1	0
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	0	198195	1	1	0
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha	0	5575653	1	1	0
9	Rehabilitation of subsided areas	ha	0	133249	1	1	0
10	General surface rehabilitation	ha	0,3	126059	0,83	1	31388,691
11	River diversions	ha	0	126059	1	1	0
12	Fencing	m	0	144	1	1	0
13	Water management	ha	0	47931	1	1	0
14	2 to 3 years of maintenance and aftercare	ha	0	16776	1	1	0
15 (A)	Specialist study	Sum	0	0	1	1	0
15 (B)	Specialist study	Sum	0	0	1	1	0
Sub Total 1							31388,691
1	Preliminary and General		3766,64292	weighting factor 2 1			3766,64292
2	Contingencies			3138,8691			3138,8691
Subtotal 2							38294,20
VAT (15%)							12318,69
Grand Total							50613

SIGN  
DATE

Ndinanyi Kenneth Singo  
2021/01/05

### **23.2 Confirm that this amount can be provided for from operating expenditure.**

(Confirm that the amount, is anticipated to be an operating cost and is provided for as such in the Mining work programme, Financial and Technical Competence Report or Prospecting Work Programme as the case may be).

Work will be approved on a phase-by-phase basis, dependent on the results obtained in the previous phase i.e. although prospecting work may be provided for financially in the budget for a specific year, it will only take place if justified. The amount is also reflected in the Prospecting Work Programme submitted to the DMRE.

## **24 Specific Information required by the competent Authority**

### **24.1 Compliance with the provisions of sections 24(4)(a) and (b) read with section 24 (3) (a) and (7) of the National Environmental Management Act (Act 107 of 1998). the EIA report must include the:-**

#### **24.1.1 Impact on the socio-economic conditions of any directly affected person.**

(Provide the results of Investigation, assessment, and evaluation of the impact of the mining, bulk sampling or alluvial diamond prospecting on any directly affected person including the landowner, lawful occupier, or, where applicable, potential beneficiaries of any land restitution claim, attach the investigation report as an Appendix)

Current land uses inside the prospecting area, such as maize farming, grazing, may be temporarily impacted through the presence of the fenced areas that drill rigs will operate within. These are however, small areas, approximately 10m x10m in total. These areas will be rehabilitated post drilling activities and the areas will once again become available for grazing. The current access roads are fenced.

## **25 Impact on any national estate referred to in section 3(2) of the National**

**Heritage Resources Act.** (Provide the results of Investigation, assessment, and evaluation of the impact of the mining, bulk sampling or alluvial diamond prospecting on any national estate referred to in section 3(2) of the National Heritage Resources Act, 1999 (Act No. 25 of 1999) with the exception of the national estate contemplated in section 3(2)(i)(vi) and (vii) of that Act, attach the investigation report as **Appendix 2.19.2** and confirm that the applicable mitigation is reflected in 2.5.3; 2.11.6.and 2.12.herein).

Whilst no heritage resources have been identified within the proposed prospecting area care will be taken to avoid any sensitive heritage resources that may otherwise be identified during the prospecting. Where graves or fossils are identified proposed boreholes will be moved to avoid features of this type. If fossils or graves are discovered, the relevant authorities will be immediately notified and drilling will be stopped in this area. The area does have protected areas, threatened ecosystems or critical biodiversity, however no sensitive parts will be negatively affected by the



drilling procedures owing to the small scale of the prospecting activity, the only potential negative impact is related to the proposed borehole sites that will need to be cleared and possibly access roads to some of these sites. These should be placed on previously disturbed land or tracks. Any natural vegetation should be avoided. The location of the boreholes must be done.

## **26 Other matters required in terms of sections 24(4)(a) and (b) of the Act.**

(the EAP managing the application must provide the competent authority with detailed, written proof of an investigation as required by section 24(4) (b)(i) of the Act and motivation if no reasonable or feasible alternatives, as contemplated in sub-regulation 22(2)(h), exist. The EAP must attach such motivation as **Appendix 4**).

The proposed site was selected based on extensive research and also following on information from previous and current prospecting as well as mining activities around the area. In terms of the technologies proposed, the proposed prospecting has been chosen based on the history and current state of copper, tin and tungsten in the area. The prospecting activities proposed in the Prospecting Works Programme (PWP) is dependent on the preceding phase as previously discussed, therefore no alternatives are indicated, but rather a phased approach of trusted prospecting techniques.

## **PART B**

### **ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT**

#### **27 Draft environmental management programme.**

##### **27.1 Details of the EAP,**

(Confirm that the requirement for the provision of the details and expertise of the EAP are already included in PART A, section 1 (a) herein as required).

*Details of EAP are included in PART A section 1(a).*

##### **27.2 Description of the Aspects of the Activity**

*(Confirm that the requirement to describe the aspects of the activity that are covered by the draft environmental management programme is already included in PART A, section (1)(h) herein as required).*

It is confirmed that the requirement to describe the aspects of the activity that are covered by the draft environmental management programme is already included in PART A SECTION (1)(h).

#### **28 Composite Map**

*(Provide a map (Attached as an Appendix) at an appropriate scale which superimposes the proposed activity, its associated structures, and infrastructure on the environmental sensitivities of the preferred site, indicating any areas that any areas that should be avoided, including buffers)*

Exploration is a temporal activity thus no permanent structures will be erected, however a general layout is enclosed (see Figure 3 for the intended layout).

#### **29 Description of Impact management objectives including management statements**

##### **29.1 Determination of closure objectives.**

(ensure that the closure objectives are informed by the type of environment described)

The following section details the goals and objectives that TR Engineering projects (Pty) Ltd will aim to achieve. It includes both a commitment to ensure legal compliance and then highlights the goals and objective for those impacts which are deemed most significant for exploration.

##### **29.2 Environmental Legislation**

To comply with all environmental legislation. Specific aspects to be adhered to from environmental legislation include;

### 29.3 National Environmental Management Act, Act 107 of 1998 (NEMA)

As the NEMA is the cornerstone of all environmental legislation, the management measures implemented by the TR Engineering projects (Pty) Ltd will strive to adhere to the principles of NEMA:

- That the disturbance of ecosystems and loss of biological diversity are avoided, or, where they cannot be altogether avoided, are minimised and remedied;
- that pollution and degradation of the environment are avoided, or, where they cannot be altogether avoided, are minimised and remedied;
- that the disturbance of landscapes and sites that constitute the nations cultural heritage is avoided, or where it cannot be altogether avoided, is minimised and remedied;
- that waste is avoided, or where it cannot be altogether avoided, minimised and reused or recycled where possible and otherwise disposed of in a responsible manner;
- that the use and exploitation of non-renewable natural resources is responsible and equitable, and takes into account the consequences of the depletion of the resource;
- that a risk averse and cautious approach is applied, which takes into account the limits of current knowledge about the consequences of decisions and actions; and
- that negative impacts on the environment and on people's environmental rights be anticipated and prevented, and where they cannot be altogether prevented, are minimised and remedied.

Environmental management must be integrated, acknowledging that all elements of the environment are linked and interrelated, and it must take into account the effects of decisions on all aspects of the environment and all people in the environment by pursuing the selection of the best practicable environmental option.

**29.3.1** Volumes and rate of water use required for the operation.

2 000 litres per day and 50 000 litres required for drilling purposes for the licence.

**29.3.2** Has a water use licence has been applied for?

Since exploration is a temporal activity no WUL is required at prospecting stage. No water use license application has been lodged as there are no water resources that will be affected by the proposed project. The prospecting site is not located above an important groundwater aquifer. No groundwater will be used or abstracted during the prospecting operations. Clean water for employees will be purchased from the shops.

### 30 Impacts to be mitigated in their respective phases

#### Measures to rehabilitate the environment affected by the undertaking of any listed activity

Table 12: Impact to be mitigated and phases

ACTIVITIES	PHASE	SIZE AND SCALE of disturbance or	MITIGATION MEASURES	COMPLIANCE WITH STANDARDS	TIME PERIOD FOR IMPLEMENTATION
<p>(E.g. For prospecting - drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route etc...etc...etc</p> <p>E.g. For mining,- excavations, blasting, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.)</p>	<p>(of operati on in which activity will take place.</p> <p>State; Planning and design, Pre- Construction' Construction, Operational, Rehabilitation, Closure, Post closure).</p>	<p>(volumes, tonnages and hectares: m<sup>2</sup>)</p>	<p>(describe how each of the recommendations in herein will remedy the cause of pollution or degradation and migration of pollutants)</p>	<p>(A description of how each of the recommendations herein will comply with any prescribed environmental management standards or practices that have been identified by Competent Authorities)</p>	<p>Describe the time period when the measures in the environmental management programme must be implemented Measures must be implemented when required.</p> <p>With regard to Rehabilitation specifically this must take place at the earliest opportunity. .With regard to Rehabilitation, therefore state either:-</p> <p>..</p> <p>Upon cessation of the individual activity or. Upon the cessation of mining, bulk sampling or alluvial diamond prospecting as the case may be.</p>
<p>Site Office and core shed</p>	<p>Prospecting Phase 3</p>	<p>N/A</p>	<p>No permanent structures for offices and coreshed will be put on site.</p>	<p>N/A</p>	<p>N/A</p>

Accommodation	Prospecting Phase 3	N/A	In order to minimise impacts in the prospecting area, no camp site will be established. All employees will stay outside prospecting area. The employees will drive to the site every day when drilling operations are in progress. A security company may be contracted to protect the drilling equipment overnight or over weekends if the drill contractors have a weekend off.	N/A	N/A
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### 31 Impact Management Outcomes

(A description of impact management outcomes, identifying the standard of impact management required for the aspects contemplated in paragraph ());

Table 13: Impact Management Outcomes

ACTIVITY (whether listed or not listed).	POTENTIAL IMPACT	ASPECTS AFFECTED	PHASE In which impact is anticipated	MITIGATION TYPE	STANDARD TO BE ACHIEVED
(E.g. Excavations, blasting, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.).	(e.g. dust, noise, drainage surface disturbance, fly rock, surface water contamination, groundwater contamination, air pollution etc....etc...)		(e.g. Construction, commissioning, operational Decommissioning, closure, postclosure)	(modify, remedy, control, or stop) through (e.g. noise control measures, storm-water control, dust control, rehabilitation, design measures, blasting controls, avoidance, relocation, alternative activity etc. etc)  E.g. <ul style="list-style-type: none"> <li>• Modify through alternative method.</li> <li>• Control through noise control</li> </ul>	(Impact avoided, noise levels, dust levels, rehabilitation standards, end use objectives) etc.

				<ul style="list-style-type: none"> <li>• <b>Control through management and monitoring</b></li> <li>• <b>Remedy through rehabilitation..</b></li> </ul>	
Site Office and core shed	Physical surface disturbance	Visual	Post Closure	No construction on site. If need be to utilise existing building and agreement to be done with farmer	Impact avoided
Accommodation	Physical surface disturbance	Visual	Post Closure	No construction on site. If need be to utilise existing building and agreement to be done with farmer	Impact avoided
Site Establishment	Dust and Noise from Vehicles driving in veld to access the proposed drill site	Air	Operation	Noise control, Reduce dust by driving slow. Ensure vehicles and equipment are maintained. Silencers should be fitted on all engines.	Impact controlled SANS10103 NEM:AQA GNR827
Site Establishment	Carbon emissions due to internal combustion of fuel	Air	Operation	Ensure vehicles and equipment are maintained.	Impact controlled NEM:AQA GNR827




Drilling	Noise	Environmental nuisance	Operation	Ensure vehicles and equipment are maintained. Silencers should be fitted on all engines.	Impact controlled
Drill site	Removal of top soil for sump. Drainage surface disturbance	Biodiversity loss	Operations and Post Closure	<p>Revegetation needs to take place with topsoil that has the surrounding vegetation seedbanks. Badly damaged areas shall be fenced in to enhance rehabilitation. Areas to be rehabilitated must be planted with a mixture of local pioneer species indigenous to the area, as soon as the new growing season starts.</p> <p>To get the best results in a specific area, it is a good idea to consult with a vegetation specialist officer of the Dept of Agriculture or the local extension. Seed distributors can also give valuable advice as to the mixtures and amount of seed necessary to seed a certain area.</p> <p>Re-seeding, as well as fencing in of badly damaged areas, will always be at the discretion of the Environmental Control Officer and in compliance with EMP.</p>	Impact controlled
Drill Site	Dust	Air pollution	Operation	Put dust control measures	Impact controlled
Drilling	Use of drilling mud during	Ground water contamination	Operation and Post Closure	Put control measures	Impact controlled

	drilling operations				
Drilling	Failure of drill sludge control system	Surrounding environment, Ground water contamination	Operation	Establish EMP procedures to minimise hydrocarbon spills.	Impact controlled
Drilling	Breakdown of machinery, oil spillages	Surrounding environment and water contamination	Operation	Establish EMP procedures to minimise hydrocarbon spills.	Impact controlled

### 32 Impact Management Actions

(B description of impact management actions, identifying the manner in which the impact management objectives and outcomes contemplated in paragraphs (c) and (d) will be achieved).

Table 14: Impact Management Actions

ACTIVITY whether listed or not listed.	POTENTIAL IMPACT	MITIGATION TYPE	TIME PERIOD FOR IMPLEMENTATION	COMPLIANCE WITH STANDARDS
<p>(E.g. Excavations, blasting, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.).</p>	<p>(e.g. dust, noise, drainage surface disturbance, fly rock, surface water contamination, groundwater contamination, air pollution etc....etc...)</p>	<p>(modify, remedy, control, or stop) through (e.g. noise control measures, storm-water control, dust control, rehabilitation, design measures, blasting controls, avoidance, relocation, alternative activity etc. etc.)</p> <p>E.g.</p> <ul style="list-style-type: none"> <li>• Modify through alternative method.</li> <li>• Control through noise control</li> <li>• Control through management and monitoring</li> </ul> <p>Remedy through rehabilitation..</p>	<p>Describe the time period when the measures in the environmental management programme must be implemented</p> <p>Measures must be implemented when required. With regard to Rehabilitation specifically this must take place at the earliest opportunity. .With regard to Rehabilitation, therefore state either:-..</p> <p>Upon cessation of the individual activity or.</p> <p>Upon the cessation of mining, bulk sampling or alluvial diamond prospecting as the case may be.</p>	<p>(A description of how each of the recommendations in 2.11.6 read with 2.12 and 2.15.2 herein will comply with any prescribed environmental management standards or practices that have been identified by Competent Authorities)</p>
<p>Site Office and core shed</p>	<p>Physical surface disturbance</p>	<p>No construction on site. If need be to utilise existing building and agreement to be done with farmer</p>	<p>N/A</p>	<p>N/A</p>

Accommodation	Physical surface disturbance	No construction on site. If need be to utilise existing building and agreement to be done with farmer	N/A	N/A
Site Establishment	Dust and Noise from Vehicles driving in veld to access the proposed drill site	Noise control, Reduce dust by driving slow. Ensure vehicles and equipment are maintained. Silencers should be fitted on all engines.	Ongoing during activity	TR Engineering Projects (Pty) Ltd will ensure that all employees, contractors, visitors comply with the EMP
Site Establishment	Carbon emissions due	Ensure vehicles and equipment	Ongoing during activity	TR Engineering Projects (Pty) Ltd will

	to internal combustion of fuel	are maintained..		ensure that all employees, contractors, visitors comply with the EMP
Drilling	Noise	Ensure vehicles and equipment are maintained. Silencers should be fitted on all engines.	Ongoing during activity	TR Engineering Projects (Pty) Ltd will ensure that all employees, contractors, visitors comply with the EMP
Drill site	Removal of top soil for sump. Drainage surface disturbance	Rehabilitate ground soon after drilling.	Upon cessation of individual activity	TR Engineering Projects (Pty) Ltd will ensure that all employees, contractors, visitors comply with the EMP
Drill Site	Dust	Put dust control measures	Ongoing during activity	TR Engineering Projects (Pty) Ltd will ensure that all employees, contractors, visitors comply with the EMP
Drilling	Use of drilling mud during drilling operations	Put control measures	Ongoing during activity	TR Engineering Projects (Pty) Ltd will ensure that all employees, contractors, visitors comply with the EMP
Drilling	Failure of drill sludge control system	Establish EMP procedures to minimise hydrocarbon spills.	Ongoing during activity	TR Engineering Projects (Pty) Ltd will ensure that all employees, contractors, visitors comply with the EMP
Drilling	Breakdown of machinery, oil spillages	Establish EMP procedures to minimise hydrocarbon spills.	Ongoing during activity	TR Engineering Projects (Pty) Ltd will ensure that all employees, contractors, visitors comply with the EMP

### **33 Financial Provision**

#### **(1) Determination of the amount of Financial Provision.**

##### **33.1 Describe the closure objectives and the extent to which they have been aligned to the baseline environment described under the regulation.**

For a prospecting operation such as this, the primary closure and environmental objectives are to:

- Minimise the area to be disturbed and to ensure that the areas disturbed during the prospecting activities are rehabilitated and stable, as per the commitments made in the EMP.
- Sustain the pre-prospecting land use.
- To record and communicate the results of the monitoring programme during decommissioning to the participating stakeholders.
- To receive an effective closure certificate (should the prospect indicate that the resource(s) would not support a sustainable mining operation).

##### **33.2 Confirm specifically that the environmental objectives in relation to closure have been consulted with landowner and interested and affected parties.**

The environmental objectives in relation to closure were consulted with affected parties. It was explained that should the prospecting yield negative results, then the end use for area will revert to its pre-prospecting land use. The end-use of the area will therefore not be changed by the prospecting operations.

However, should the prospecting operation yield positive results, then the farm could be subject to a mining rights application and another more comprehensive Public Participation, Scoping, EIA and EMP process.

If a mining right is granted then the area will be rehabilitated according to the requirements of the approved Environmental Management Programme that would apply throughout the life of the mine.

**33.3 Provide a rehabilitation plan that describes and shows the scale and aerial extent of the main mining activities, including the anticipated mining area at the time of closure.**

The activities involved are for prospecting and will involve no permanent removal of soil and rock.

Should the prospecting yield negative results, then the end use for area will revert to its pre-prospecting land use. The end-use of the area will therefore not be changed by the prospecting operations.

However, should the prospecting operation yield positive results, then the farm could be subject to a mining rights application and another more comprehensive Public Participation, Scoping, EIA and EMP process.

If a mining right is granted then the area will be rehabilitated according to the requirements of the approved Environmental Management Programme that would apply throughout the life of the mine.

*Table 15: Rehabilitation plan.*

<b>Aspect / Impact</b>	<b>Rehabilitation Measure</b>	<b>Monitoring Frequency &amp; Responsibility</b>
Removal of construction structures	<ul style="list-style-type: none"> <li>• Clear and completely remove from site all construction plant equipment, storage containers, signage, temporary fencing, temporary services, fixtures and any other temporary works (excluding those already on the site); and</li> <li>• Ensure that all access roads utilised during construction (which are not earmarked for closure and rehabilitation) are returned (as far as possible) to their state prior to construction.</li> </ul>	Once off, TR Engineering projects (Pty) Ltd
Vegetation clearing/Replanting	<ul style="list-style-type: none"> <li>• Remove any emerging alien and invasive vegetation to prevent further establishment;</li> <li>• All planting work is to be undertaken by suitably qualified personnel making use of the appropriate equipment;</li> <li>• Transplant during the winter (between April and September); and</li> <li>• Plant indigenous plants to minimise the spread of alien and invasive vegetation.</li> </ul>	When revegetation is done and in blooming season, TR Engineering projects (Pty) Ltd

Topsoil replacement	<ul style="list-style-type: none"> <li>• Replace and redistribute stockpiled topsoil together with herbaceous vegetation, overlying grass and other fine organic matter in all disturbed areas of the prospecting site, including temporary access routes and roads. Replace topsoil to the original depth (i.e. as much as was removed prior to construction).</li> <li>• Prohibiting the use of topsoil suspected to be contaminated with the seed of alien vegetation .Alternatively, the soil is to be sprayed with specified herbicides.</li> <li>• Backfill planting holes with excavated material / approved topsoil, thoroughly mixed with weed free manure or</li> </ul>	Once off, TR Engineering projects (Pty) Ltd
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	compost (per volume about one quarter of the plant hole), one cup of 2:3:2 fertiliser and an approved ant and termite poison.	
Waste and Rubble Removal	<ul style="list-style-type: none"> <li><input type="checkbox"/> Clear the site of all inert waste and rubble, including surplus rock, foundations and batching plant aggregates.</li> <li><input type="checkbox"/> Remove from site all domestic waste and dispose of in the approved manner at a registered waste disposal site.</li> </ul>	Once off, TR Engineering projects (Pty) Ltd



Solid & Hazardous Waste	<p style="text-align: center;">Environmental Management Programme (EMPR).</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Dispose of all hazardous waste not earmarked for reuse, recycling or resale at a registered hazardous waste disposal site.</li> <li><input type="checkbox"/> Remove from site all temporary fuel stores, hazardous substance stores, hazardous waste stores and pollution control sumps. Dispose of hazardous waste in the approved manner.</li> <li><input type="checkbox"/> Do not hose oil or fuel spills into a storm water drain or sewer, or into the surrounding natural environment.</li> <li><input type="checkbox"/> Dispose of all visible remains of excess cement and concrete after the completion of tasks. Dispose of in the approved manner (solid waste concrete may be treated as inert construction rubble, but wet cement and liquid slurry, as well as cement powder must be treated as hazardous waste).</li> </ul>	Once off, TR Engineering projects (Pty) Ltd
Erosion protection	<ul style="list-style-type: none"> <li><input type="checkbox"/> Protect all areas susceptible to erosion and ensure that there is no undue soil erosion resultant from activities within and adjacent to the construction site.</li> <li><input type="checkbox"/> Retain shrubbery and grass species wherever possible.</li> <li><input type="checkbox"/> Perform regular monitoring and maintenance of erosion control measures.</li> </ul>	After rainfall events

**33.4 Explain why it can be confirmed that the rehabilitation plan is compatible with the closure objectives.**

The amount for rehabilitation is anticipated to be an operating cost and provided for in the Prospecting Work Programme. Drill site rehabilitation will be undertaken by the contract drilling company on completion of every borehole. This will include:

- The removal of all wastes generated on-site by the drilling activity.
- Backfilling of sumps, where applicable
- The ripping of cleared and compacted soils where this may have occurred; and
- The re-contouring of drill sites to resemble the topography similar to that prior to the commencement of drilling activities

- Take photos of the site before prospecting commences and after prospecting

**33.5 Calculate and state the quantum of the financial provision required to manage and rehabilitate the environment in accordance with the applicable guideline.**

The quantum of the financial provision required is therefore: **R49 696.00**. The Company must annually update and review the quantum of the financial provision (*Regulation 54 (2)*). TABLE FOR CALCULATIONS ATTACHED BELOW

**33.6 Confirm that the financial provision will be provided as determined.**

TR Engineering projects (Pty) Ltd undertakes to provide financial provision and a Bank Guarantee will be the method of providing for the financial provision. The amount is anticipated to be an operating cost and provided for in the Prospecting Work Programme.

Table 16: Quantum Calculation

CALCULATION OF THE QUANTUM



**TR Engineering Projects (Pty) Ltd**

MP/30/5/1/1/2/ 15853 PR

Applicant:  
Evaluator:

Kenneth Singo

Ref No.:  
Date:

Jan-21

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	0	16	1	1	0
2 (A)	Demolition of steel buildings and structures	m2	0	228	1	1	0
2(B)	Demolition of reinforced concrete buildings and structures	m2	0	336	1	1	0
3	Rehabilitation of access roads	m2	0	41	1	1	0
4 (A)	Demolition and rehabilitation of electrified railway lines	m	0	395	1	1	0
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m	0	216	1	1	0
5	Demolition of housing and/or administration facilities	m2	0	455	1	1	0
6	Opencast rehabilitation including final voids and ramps	ha	0	238697	1	1	0
7	Sealing of shafts adits and inclines	m3	0	122	1	1	0
8 (A)	Rehabilitation of overburden and spoils	ha	0	159131	1	1	0
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	0	198195	1	1	0
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha	0	5575653	1	1	0
9	Rehabilitation of subsided areas	ha	0	133249	1	1	0
10	<b>General surface rehabilitation</b>	<b>ha</b>	<b>0,9</b>	<b>126059</b>	<b>0,27</b>	<b>1</b>	<b>30632,337</b>
11	River diversions	ha	0	126059	1	1	0
12	Fencing	m	0	144	1	1	0
13	Water management	ha	0	47931	1	1	0
14	2 to 3 years of maintenance and aftercare	ha	0	16776	1	1	0
15 (A)	Specialist study	Sum	0	0	1	1	0
15 (B)	Specialist study	Sum	0	0	1	1	0
Sub Total 1							<b>30632,337</b>

1	Preliminary and General	3675,88044	<b>weighting factor 2</b>		3675,88044
			1		
2	Contingencies		3063,2337		3063,2337
Subtotal 2					<b>37371,45</b>
VAT (15%)					<b>12318,69</b>
<b>Grand Total</b>					<b>49690</b>

SIGN  
DATE

Ndinanyi Kenneth Singo  
2021/01/05

**34 Mechanisms for monitoring compliance with and performance assessment against the environmental management programme and reporting thereon, including**

- g) **Monitoring of Impact Management Actions**
- h) **Monitoring and reporting frequency**
- i) **Responsible persons**
- j) **Time period for implementing impact management actions**
- k) **Mechanism for monitoring compliance**

Table 17: Mechanisms for monitoring compliance

<b>SOURCE ACTIVITY</b>	<b>IMPACTS REQUIRING MONITORING PROGRAMMES</b>	<b>FUNCTIONAL REQUIREMENTS FOR MONITORING</b>	<b>ROLES AND RESPONSIBILITIES (FOR THE EXECUTION OF THE MONITORING PROGRAMMES)</b>	<b>MONITORING AND REPORTING FREQUENCY and TIME PERIODS FOR IMPLEMENTING IMPACT MANAGEMENT ACTIONS</b>
Drilling (Site Establishment)	The clearing of vegetation	Monitor daily	Geologist/ EAP	Daily by Geologist, Annually by independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE
Drilling	The storage of hydrocarbon-based materials on site	Monitor daily	Geologist/ EAP	Daily by Geologist, Annually by independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE
Drilling	On-site waste management	Monitor Daily	Geologist/ EAP	Daily by Geologist, Annually by independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE
Drilling	The creation of roads/tracks	Monitor daily	Geologist/ EAP	Daily by Geologist, Annually by independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE

Drilling	The removal of	Monitor Daily	Geologist/ EAP	Daily by Geologist, Annually by
	storage and soil			independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE
Drilling	Driving activities	Monitor Daily	Geologist/ EAP	Daily by Geologist, Annually by independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE
Drilling	Groundwater: Monitor the water quality of the boreholes	Monitor Daily	Geologist/ EAP	Daily by Geologist, Annually by independent environmental assessment practitioner to compile the required annual environmental compliance report required by the DMRE

**34.1 Indicate the frequency of the submission of the performance assessment/ environmental audit report.**

Environmental audit report will be submitted annually.

**34.2 Environmental Awareness Plan**

**34.2.1 Manner in which the applicant intends to inform his or her employees of any environmental risk which may result from their work.**

All employees must be provided with environmental awareness training to inform them of any environmental risks which may result from their work and the manner in which the risks must be dealt with in order to avoid pollution or the degradation of the environment. Employees should be provided with environmental awareness training before prospecting operations start. All new employees should be provided with environmental awareness training. Induction courses will be provided to all employees by a reputable trainer.

**34.2.2 Manner in which risks will be dealt with in order to avoid pollution or the degradation of the environment.**

No risks have been identified other than those that have been identified within this document, these are to be communicated to all contractors and all contractors are to be provided with a copy of the approved EMP. Environmental training needs for each section should to be identified and addressed to ensure environmental management is part of day to day operations. The environmental risk responsibilities guide the training requirements of each individual. The responsibility for each level of management according to the Integrated Risk Management and ISO14001 role descriptions are. Environmental training recommended for the different levels of management guide the training needs identification process. This is a minimum guideline and any additional training can be added where section specific issues or high risk items require training and awareness. It is the responsibility of the line manager to ensure environmental training needs for individual staff members are identified, agreed to, facilitated and tracked.

### 35 Specific information required by the Competent Authority

(Among others, confirm that the financial provision will be reviewed annually).

The financial provision will be reviewed annually indicating work that would have been completed and money used for rehabilitation as required by the law.

### 36 UNDERTAKING

The EAP herewith confirms

- a) the correctness of the information provided in the reports
- b) the inclusion of comments and inputs from stakeholders and I&APs ;
- c) the inclusion of inputs and recommendations from the specialist reports where relevant; and
- d) that the information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs made by interested and affected parties are correctly reflected herein.

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Signature of the environmental assessment practitioner:

SINGO CONSULTING (PTY) LTD

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Name of company:

13 January 2021

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Date:

**-END-**

## Appendix

### Appendix A: DMRE acceptance Letter



Private Bag X 7279, Witbank, 1035, Saveways Centre, First Floor, Mandela Drive, Witbank, 1035 Tel (013) 6530500, Fax (013) 6903288 Reference: MP 30/5/11/1/2/ 15853 PR Enquiries: Ms. Prisca Maluleka Email address: prisca.maluleka@dmre.gov.za.

#### BY EMAIL/FAX

Kenneth@singoconsulting.co.za.  
The Director/s  
TR Engineering Projects (Pty) Limited  
P/Bag X7297  
EMALAHLENI  
1035

Fax: 086 514 4103

Dear Sir/Madam

ACCEPTANCE OF AN APPLICATION FOR PROSPECTING RIGHT IN TERMS OF SECTION 16(4) OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002) [HEREIN AFTER REFERRED TO AS THE ACT] AS AMENDED BY SECTION 12(d) OF THE MINERALS AND PETROLEUM RESOURCES DEVELOPMENT AMENDMENT ACT, 2008 (ACT 49 OF 2008) [HEREINAFTER REFERRED TO AS THE AMENDMENT ACT]

1. Please be informed that your application for prospecting of Copper Ore, Tin Ore and Tungsten Ore on the farm Rietfontein 446 JR, Magisterial District of Bronkhorstspuit is hereby accepted in terms of section 16(2) of the Act as amended by section 12(b) of the Amendment Act.
2. Please take notice that in terms of section 16(4) of the Act as amended by section 12(d)(a) and 12(d)(b) of the Amendment Act, you are required to:-
  - 2.1. to consult in the prescribed manner with the landowner, lawful occupier and any interested and affected party, the Land Restitution Commission and submit the result of such consultation on or before the 05<sup>th</sup> Dec 2020.
3. You are in terms of section 17(1) of the Act as amended by section 13(c) of the Amendment Act required to give effect to the objects referred to in section 2(d) of



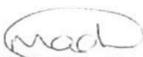
the Act to ensure that you are BBBEE compliant. Therefore please submit on or before 09 DEC 2020 to this office for the attention of the writer hereon any documentation proving such including but not limited to:-

- 3.1. Certified copies of share certificates and shareholders register
  - 3.2. Certified copies of Shareholders agreements
  - 3.3. Certified copies articles and memorandum of association of the company
  - 3.4. Trust deed documents and letters of authority for any trust holding shares
  - 3.5. Details relating to funding (all relevant agreements)
  - 3.6. Any other information that may be necessary to explain and serve as evidence that the applicant meets the appropriate HDSA ownership and/or compliance requirements of the aforesaid Act and Mining Charter; **thereby including women and communities in your structure.**
4. Please submit within 14 days from date of this letter for the attention of *Mr Siyabonga Panduva* **3 copies of a complete prospecting work programme prepared in terms of regulation 7 of the Mineral and Petroleum Resources Development Act, 2002 (Act no 28 of 2002): Mineral and Petroleum Development Regulation.**
5. *In light of the minimum requirements as stipulated on Regulation 16 (1) and 16(2) of the EIA Regulations, your application for an Environmental Authorisation was incomplete as it was not accompanied by this acceptance letter as per Sub Regulation 16(1)(ix) and considering that it is now completed by this acceptance letter, you are hereby required to submit the documents as stipulated on Regulation 19 (1) to 19(8) of the EIA Regulations (Only in cases where Basic Assessment Report is applicable) or Regulations 21 (Scoping Report) and Regulation 23 (EIR and EMPr) (In case of Scoping and Environmental Impact Report). All timeframes are effective from the date of this letter.*
6. *Your attention is also drawn to the provisions of Section 17(1) (e) of the MPRDA, which provides that the minister may grant an application for a prospecting right if the applicant is not in contravention of any relevant provision of this Act. Section 19(2) (f) places an obligation on the holder of a prospecting right to pay the prescribed prospecting fees, as per regulation*

*76 of the MPRDA. You are therefore reminded to ensure that payment of all prospecting fees for all the prospecting right that you hold, are up to date, failing which this may have a negative impact on the outcome of your current application.*

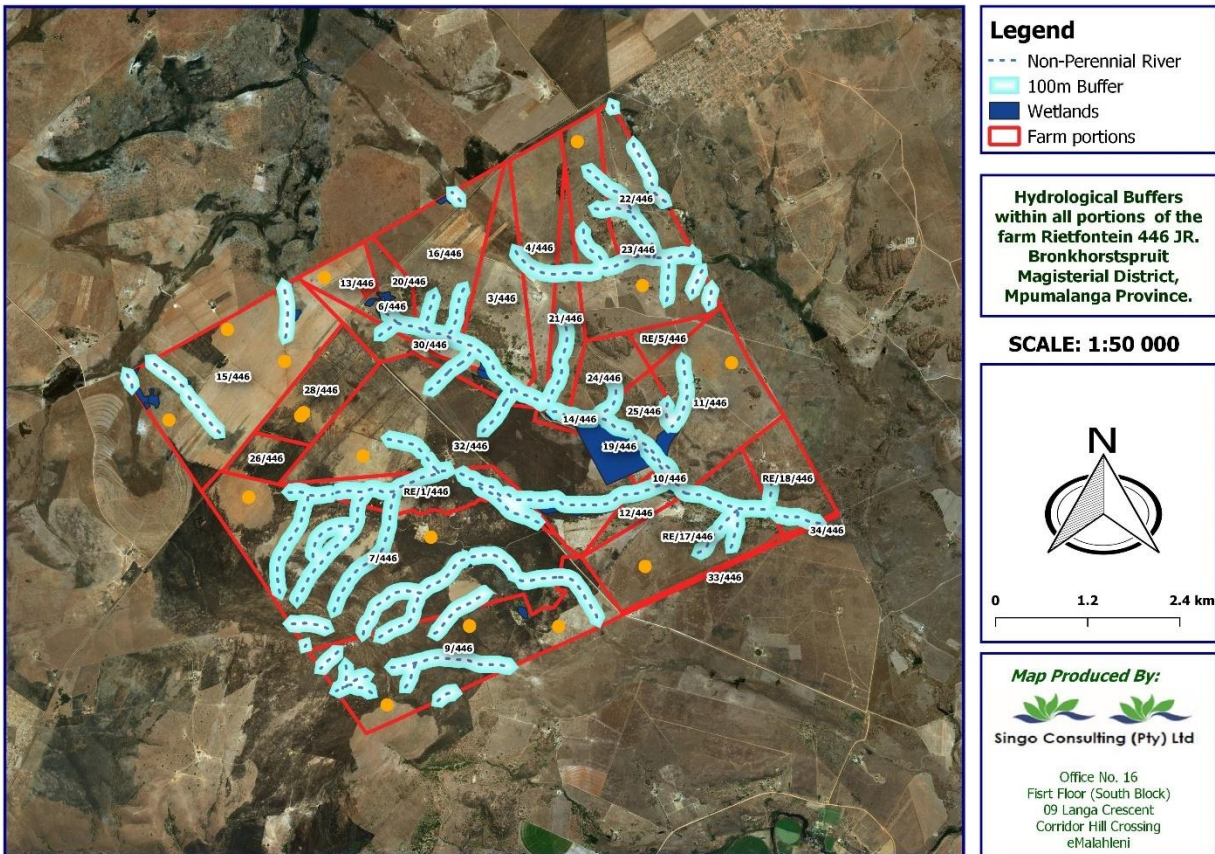
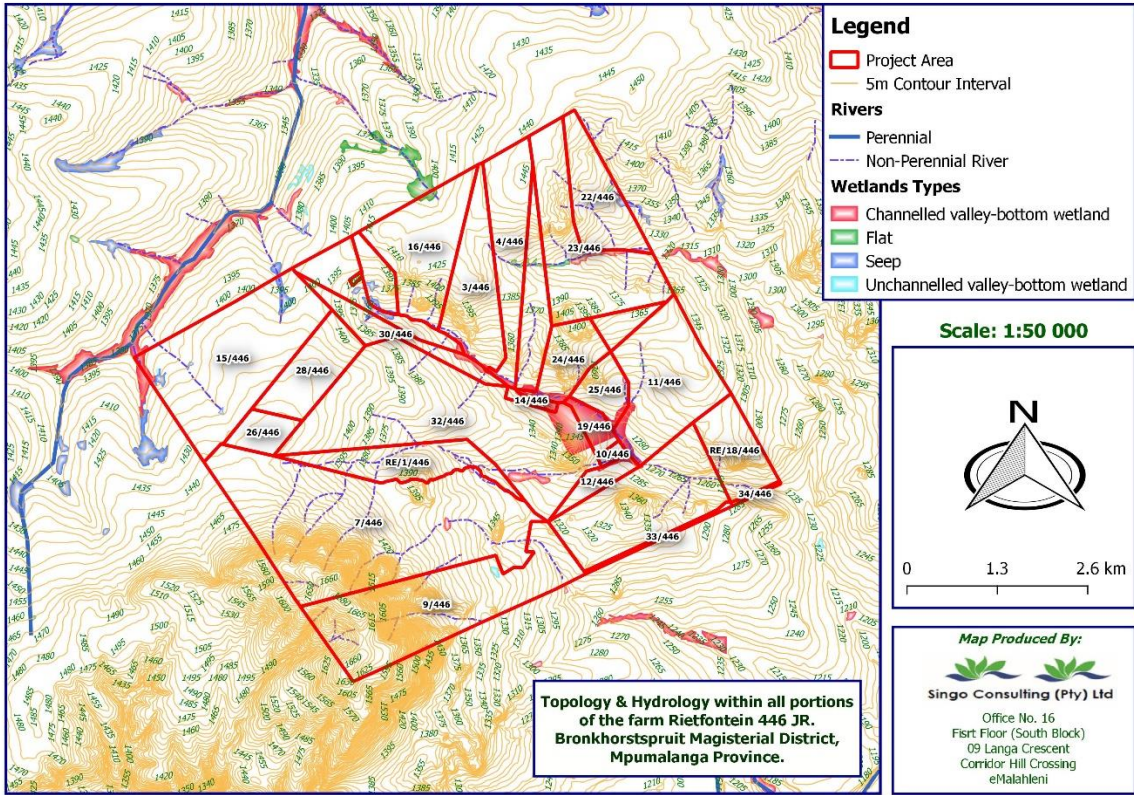
7. Please take note that failure to adhere to the timeframe stipulated above and to submit any documentation required in terms of this notice will result into non-compliance with the provision of the Act and the Amendment Act and will result in your application being processed refusal.

Yours Faithfully:

  
REGIONAL MANAGER  
MPUMALANGA REGION  
DATE: 2020/11/19















## GNFSA rewarded as 2020 Federation of the year

Gauteng North Figure Skating (GNFSA) was awarded the 2020 Federation of the year recently at the Tshwane Woman in Sports Awards. Local figure skaters from Cullinan and Rayton also form part of this phenomenal team. Taytum Rosseau is the winner in the School Sports Athlete category in their midst, and Jennifer Glatter narrowly missing out as a finalist in the Technical Official of the Year category. "This is ample rewards and motivation for all the hard work and effort of our athletes, coaches, officials and committee are constantly putting into our beloved sport," said Anne Waldek-Thill from GNFSA. They feel honoured and privileged to receive this acknowledgement from the Tshwane Sports Council. "We congratulate all the other finalists and nominees in each category." They thank the organisers of the event, the TSC and its dignitaries for putting this event together. "We wish all other sporting codes the best for the next year with all the challenges that face everyone and hope to see all our athletes, officials and federations reach new heights."



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## Jong gholfspeler gekeur vir Mpumalanga span

Thia Botha

Uit eie geleedere word 'n 12-jarige gholfspeler gekeur vir die Mpumalanga Gholfunie se laerskole gholfspan. Proewe is gespeel op Maandag, 16 November in Middelburg. Plaaslik val die eer vir Ryno Lourens te beurt toe hy na afloop van die proewe aangewys is as een van 15 laerskool leeders om in 2021 deel te wees van die Mpumalanga Gholfunie se laerskole span. Slegs 15 laerskool leeders vanuit Mpumalanga val dié besonderse eer te beurt en dit maak dit nog 'n groter prestasie vir Rymo. Na 'n jaar van inperking sien Rymo baie daarna uit om weer aktief aan gholft te kan deelneem. Dit is alom bekend dat Delmas se gholfbaan reeds 'n internasionale speler, naamlik Christiaan Bezuidenhout (Rambo) opgelewer het. Met nog jong talent in eie geleedere doen Delmas dit dalk net weer. Ryno word baie sterkte toegewens.



### NOTICE OF PUBLIC PARTICIPATION FOR PROSPECTING RIGHT AND ENVIRONMENTAL AUTHORIZATION APPLICATION

#### Isizulu

Isiziso senqubo yokuLindela ilungelo Lesicelo ngokMthetho Wezokumbiwa kanye Nezimbini (i-MPRDA) (Umthetho 28 ka 2002) ngokuthola **Copper Ore, Tin Ore ne Tungsten Ore ku famu Rietfontein 446 JR**, esendaweni iMagisterial District ye Bronkhorstspuit, eSifundazweni sase Mpumalanga.

#### ISISEMPO SOKUPHAWULA NOKUVEZA IMIBONO MAYELANA NALE APPLICATIONI

Ngaleso sikhathi kunikezwe isiziso ngokMthetho Wezokumbiwa phansi kanye nePetroleum Development Act (MPRDA) (Umthetho 28 ka 2002) kanye nemigomo ye-EIA 2014, ekhishwe ngaphansi kwesiziso sikaHulumeni Nombolo 982 kuGazethi Nombolo 3822 yomhla ziyi-4 kuZibandlela wezi-2014 ukuthi kucitshiyelwe ngomhla 7 Ephreli 2017 ukuthi **I-TR Engineering (Pty) Limited** ifake isicelo selungelo Lokuthola Ukumbiwa phansi kwalama minerali eshivo ngenhla nge-**DMRE Ref: MP 30/5/1/2/15853 PR**. Njengengonye yenqubo ye-EIA, ikakhulukazi inqubo yokubamba iqhaza komphakathi kule phrajekthi ehlongozwayo, Amaqembu Athintekayo Nathintekayo (IAPs) ayaminye ukuba abhalise futhi alethe ngomusa noma yikuphi ukuphawula noma ukukhathazeka ukufinyelela kuNkosazana **Nokuthula Nkosi** ungakashi **ngolwesithathu, 13 Januwari 2021**, kusetshenziswa imininingwane yokuzhumana enikezwe ngezansi. Umphakathi ubuye futhi umenye ukuthi ubukeze futhi uphawule ngombiko Oqisisekela Woluhlela Okuyisisekela kanye ne-EMPr. Umbiko oqhwayo we-EMPr uzotholalaka ukuthi ubuyezwe isikhathi sezinsuku zingama-30 zekhalenda le-14 Januwari 2021 - 12 Febuwari 2021. Isikhathi sezinsuku ezingama-30 asibandakanyi isikhathi esisukela mntla ziyi-15 kuZibandlela wezi-2020 kuya kumhla zimbili kuJanuwari 2021 ngokomthetho. Lo mbiko uzotholalaka eVerena Public Library (R544, eMalahlani, 1048). Ngeminye imininingwane, ukubhalisa njengeNhlango Eentshisekela noma Ethintekayo, sicela uthinte: -

Office No. 16, First Floor (South Block), Corridor Hill Crossing, 9 Langa Crescent, Corridor Hill, eMalahlani (Witbank), 1040  
 Contact Person: Ms. Nokuthula Nkosi  
 Teli: +27 13 692 0041  
 Cell: +27 81 386 8599  
 Fax: +27 86 514-4103  
 Email: nokuthula@singoconsulting.co.za



#### English

Notice of the Prospecting Right Application Process as per the Minerals and Petroleum Resources Development Act (MPRDA) (Act 28 of 2002) for the prospecting of **Copper Ore, Tin Ore and Tungsten Ore on the farm Rietfontein 446 JR**, situated in the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

#### INVITATION TO COMMENT

Notice is hereby given in terms of the Mineral and Petroleum Development Act (MPRDA) (Act 28 of 2002) and EIA regulations 2014, published under Government Notice No. 982 in Gazette No. 3822 of 4 December 2014, amended on 7 April 2017 that **TR Engineering (Pty) Limited** has applied for a Prospecting Right for the above-mentioned minerals with **DMRE Ref: MP 30/5/1/2/15853 PR**. As part of the EIA process, more especially the public participation process for this proposed project, Interested and Affected Parties (I&APs) are invited to register and kindly submit any comments or concerns to reach **Miss Nokuthula Nkosi** by no later than **Wednesday, the 13th of January 2021**, using the contact details provided below. The public is also invited to review and comment on the Draft Basic Assessment Report and EMPr. The draft EMPr report will be available for review for 30-days calendar period from **14 January 2021 – 12 February 2021**. The 30 days period excludes the period from the **15th of December 2020 to the 2nd of January 2021 as per regulation 54 (2), section 4.6**. This report will be available at **Verena Public Library (R544; eMalahlani; 1048)**. For more information, to register as Interested or Affected Party, please contact: -

Office 07, 4 U 2 Store Complex Springbok Street, Tasbetpark, Ext 17 Witbank, 1035  
 Tel No.: +27 13 692 4748  
 Fax No.: +27 86 544 8825  
 Cell No.: +27 79 530 7662  
 Email: thabo@treengineering.co.za



This application directly affects portions owned by The South African Government (portions 1-6 & 10 – 34), Chaplog Bryan Shuan (portion 7 & 8) and Zongro Een (Pty) Ltd (portion 9). If you are the landowner/lawful occupier of the above-mentioned land, please contact the EAP above to set up a formal meeting regarding the application.

## NOTICE OF PUBLIC PARTICIPATION FOR PROSPECTING RIGHT AND ENVIRONMENTAL AUTHORIZATION APPLICATION

Notice of the **Prospecting Right** Application Process as per Section 16 of the Minerals and Petroleum Resources Development Act (Act 28 of 2002) (as amended) for the proposed prospecting of **Copper Ore, Tin Ore and Tungsten Ore** on the farm **Rieffontein 446 JR**, situated in the Local Municipality of Thembeisile Hani, under Bronkhorstspuit/Mkobela Magisterial District, Gauteng Province.

**(DMRE Ref: MP30/5/1/1/2/ 15853PR)**

**Size and Locality of the project:** the project area is approximately 4 127.897 ha and is located near Wolvenkop, Verena B, Vlakfontein A, and on the boarder of Mpumalanga.

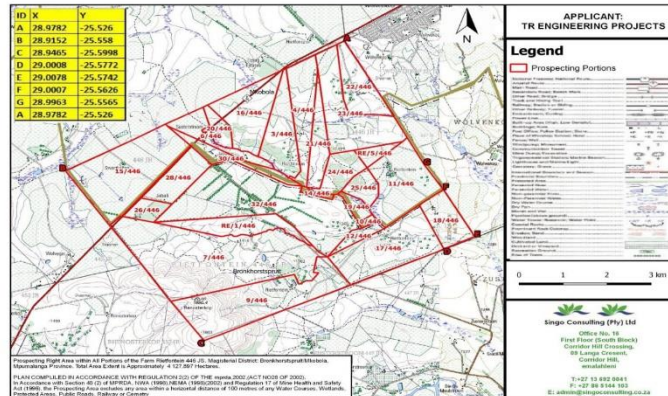


Figure 1: Regulation map of proposed project area ( -25.526,28.9782)

### INVITATION TO COMMENT

Notice is given in terms of the Mineral and Petroleum Development Act (MPRDA) (Act 28 of 2002) and EIA regulations 2014, published under Government Notice No. 982 in Gazette No. 3822 of 4 December 2014, amended on 7 April 2017, **TR Engineering Projects (Pty) Ltd** has applied for a Prospecting Right.

As part of the EIA process, more especially the public participation process for this proposed project, Interested and Affected Parties (I&APs) are invited to register and kindly submit any comments or concerns to reach Ms Nokuthula Nkosi until **13 February 2021** using the contact details provided below. The public is also invited to review and comment on DBAR and EMP which will be available for review for a 30-day calendar period from **14 January 2021 – 12 February 2021**. The 30 days period excludes the period from the **15<sup>th</sup> of December 2020 to the 2<sup>nd</sup> of January 2021** as per regulation 54 (2), section 4.6. This report will be available at the **Verena Public Library** (R544; eMalahleni; 1048) and upon request from the EAP on the details below.

### ENVIRONMENTAL ASSESSMENT PRACTITIONER AND CLIENT DETAILS:

  
**Singo Consulting (Pty) Ltd**

Office No. 16, Corridor Hill Crossing  
09 Langa Crescent, Corridor Hill  
eMalahleni, 1035.

Tel No.: +27 13 6920 041  
Fax No.: +27 86 514 4103  
Cell No.: +27 81 386 8589  
Email: [nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)

**TR Engineering Projects (Pty) Ltd**



Office 07, 4 U 2 Store Complex  
Springbok Street, Tasbetpark, Ext 17  
eMalahleni.

Tel No.: +27 13 692 4748  
Fax No.: +27 86 544 8825  
Cell No.: +27 79 530 7662  
Email: [thabo@trengineering.co.za](mailto:thabo@trengineering.co.za)

This application directly affects portions owned by The South African Government (portions 1-6 & 10 – 34), Chaplog Bryan Shuan (portion 7 & 8) and Zongro Een (Pty) Ltd (portion 9). If you are the landowner/ lawful occupier of the above-mentioned portions, please contact the EAP above to set up a formal meeting regarding the application.



<h2 style="margin: 0; color: #4CAF50;">BACKGROUND INFORMATION DOCUMENT</h2> <p style="margin: 5px 0 0 0; font-size: small;">Proposed Prospecting Right Application within All Portions of the farm Rieffontein 446 JR.</p> <p style="margin: 5px 0 0 0; font-size: small;">Magisterial District of Bronkhorstspruit; Mpumalanga</p>		<p style="margin: 0; font-size: small;">Prepared by:</p> <p style="margin: 0; font-size: x-small;">Singo Consulting (Pty) Ltd</p>	<p style="margin: 0; font-size: small;">Prepared for:</p> <p style="margin: 0; font-size: x-small;">TR Engineering Projects (Pty) Ltd</p>
<p><b>INTRODUCTION AND THE PURPOSE OF THIS DOCUMENT</b></p> <p>Singo Consulting (Pty) Ltd has been appointed as an independent Environmental Consultant by TR Engineering Projects (Pty) Ltd to conduct environmental Impact Assessment (EIA), Compile an Environmental Management Plan (EMP) and undertake Public Participation Process (PPP). This is done for processes of acquiring environmental authorization for the proposed prospecting right application within all portions of the farm Rieffontein 446 JR, in the Magisterial District of Bronkhorstspruit/Mkobela, Gauteng Province. <b>DMRE Ref: MP 30/5/1/1/2 (15853) PR.</b></p> <p>The Purpose of this Background Information Document (BID) is to provide a perfunctory description of the project and outline EIA processes to be followed and contributions from Interested and Affected Parties (I&amp;APs) on the issues related to the project in question, allowing comments and concerns to be raised.</p> <p>Results of the EIA, both negative and positive will be submitted and made available to the relevant Departments such as the Department of Mineral Resources and Energy and if requested, Environmental Affairs, Water and Sanitation, Landowners and other interested stakeholders.</p> <p>This Background Information Document therefore requests and invites I&amp;APs to comment on the environmental, physical, social and economic impacts associated with the proposed Prospecting Activity. Be assured that your comments are of great value as they ensure that relevant issues are taken into consideration. Attached at the end of this document is a registration form, kindly complete it and send it back to Ms. Nokuthula Nkosi through given means of communication also attached here.</p>	<p><b>PROJECT DESCRIPTION</b></p> <p>Prospecting Right Application has been submitted for the prospecting of Copper, Tin ore and Tungsten on the property mentioned above. This Prospecting Area, as seen in figure 1 and 2 below, is situated approximately 1.62km South-West of Wolvenkop-A and 13.36km North-East of Vlakkfontein-A.</p> <p>Prospecting activities will be undertaken over a period of five (5) years and are designed in phases, each phase conditional on the success of the previous phase. Both Invasive and non-invasive methods will be implemented. Desktop study of the area has commenced, and this incorporates desktop geographical and geological mapping. This will be followed by geochemical and geotechnical surveys. In turn, this is followed by detailed geophysical studies and later, a detailed drilling, sampling, assaying and mineralogical study. Percussion drilling and Diamond drilling methods will be utilized to prospect Chrome ore. To ensure or minimize impacts on the receiving environment, all the drilling activities will be guided by the project's EMP.</p> <p><b>REGULATORY FRAMEWORK</b></p> <p>The proposed Prospecting activity is involved with some sort of physical alteration to accommodate for example drill rigs and site offices. Therefore, EIA process to be undertaken will be conducted in accordance with the National Environmental Management Act (Act 38 of 1998) and Environmental Impact Assessment regulations as amended (April 2017).</p> <p>The activity is to prospect the existence and occurrence of Copper Ore, Tin Ore and Tungsten Ore, therefore this will be conducted in accordance with Mineral and Petroleum Resources Development Act, (Act 28 of 2002). Other regulatory guidelines to be followed include: National Water Act, 1998 (Act 36 of 1998), National Air Quality Standards (GN 1210: 2009) and National Dust Control Regulations (GN 275: 2017).</p> <p>These all will accurately be followed to ensure that identified impacts are assessed and mitigated according to their significance so that the protection of the receiving environment and populations is met.</p>		





Office No: 16, First Floor (South Block)  
 Corridor Hill Crossing, 09 Langa Crescent,  
 Corridor Hill, Emalahleni  
 Tel: +27 81 386 8589 / +27 13 692 0041  
 Fax: +27 86 5144 103  
 Email: [nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)

**REGISTRATION & COMMENT SHEET**

**DMRE Ref: MP 30/5/1/1/2/15853 PR**

Attention: **Nokuthula Nkosi**

Email: [nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)

Date			
Title	Name	Surname	
Company			
Designation			
Address			
Tel No.			Fax No.
E-mail			Cell No.
I would like to receive my notifications be (mark with "X"):		Post <input type="checkbox"/>	E-mail: <input type="checkbox"/> Fax: <input type="checkbox"/>
<b>Please indicate why you would have an interest in the above-mentioned project.</b>			
<b>Please provide your comments and questions here:</b>			
<i>Please feel free to attach a separate document</i>			
<b>Please add any person you think may be interested and affected parties:</b>			
Full name			Company
Address			
E-mail			Contact No.





**Singo Consulting (Pty) Ltd**

- 09 Langa Crescent, Corridor Hill Crossing, First Floor (South Block) Office No. 16, eMalaheni
- kenneth@singoconsulting.co.za
- www.singoconsulting.co.za
- +27 13 692 0041
- +27 86 514 4103

Dear Landowner:

**PROSPECTING RIGHT APPLICATION FOR THE PROPOSED COPPER ORE, TIN ORE AND TUNGSTEN ORE IN THE MAGISTERIAL DISTRICT OF BRONKHORSTSPRUIT/MKOBELA, MPUMALANGA PROVINCE DMRE REF. NO.: MP 30/5/1/1/2/ 15853 PR.**

Singo Consulting (Pty) Ltd on behalf of TR Engineering and Projects (Pty) Ltd wishes to inform you about the prospecting of the above-mentioned resources on your land in all the Portions of the farm **Riefontein 446 JS**. TR Engineering and Projects (Pty) Ltd has applied for a Prospecting Right together with the Environmental Authorizations (EA) in terms of Section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), on all the Portions of the farm Riefontein 446 JS, situated in the Local Municipality of Thembisile Hani, under Bronkhorstspuit/Mkobela Magisterial District, Mpumalanga Province.

Singo Consulting (Pty) Ltd has been appointed as an independent Environmental Assessment Practitioner (EAP). We are conducting a Basic Assessment process, if you have any comment(s) concerning the proposed project or terms and conditions you want to lay down, kindly fill the comment form below and register your comments.

Kindly note that as a landowner your comments are critical in decision making at DMR concerning the proposed project. Should you have any queries regarding the proposed project, please do not hesitate to contact me.

Kind Regards



Office No. 16, Corridor Hill Crossing  
09 Langa Crescent, Corridor Hill  
eMalaheni  
1035.  
Tel No.: +27 13 6920 041  
Fax No.: +27 86 5144 103  
Cell No.: +27 81 386 8589  
Email: [nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)



**TR Engineering and Projects**

Office 07, 4 U 2 Store Complex  
Springbok Street  
Tasbetpark, Ext 17  
eMalaheni.  
Tel No: +27 13 692 4748  
Cell No: +27 79 530 7662  
Email: [thabo@trengineering.co.za](mailto:thabo@trengineering.co.za)



I, \_\_\_\_\_ herewith acknowledge receipt of:

One (1) copy of the letter entitled: PROSPECTING RIGHT APPLICATION IN ALL THE PORTIONS OF THE FARM RIETFontein 446 JS, IN THE MAGISTERIAL DISTRICT OF BRONKHORSTSPRUIT/MKOBELA, MPUMALANGA PROVINCE.

**Please comment and return to:**

Physical address:	Office No. 16, First Floor (South Block), Corridor Hill Crossing, 09 Langa Crescent Corridor Hill, eMalaheni, 1035.
Postal address	P/Bag X7297 Postnet Suite 87 Highveld Mall Witbank 1035
Tell No:	+27 13 6920 041
Cell No:	+27 83 551 4492
Fax No:	+27 86 5144 103
Email:	<a href="mailto:admin@singoconsulting.co.za">admin@singoconsulting.co.za</a> <a href="mailto:kenneth@singoconsulting.co.za">kenneth@singoconsulting.co.za</a> <a href="mailto:nokuthula@singoconsulting.co.za">nokuthula@singoconsulting.co.za</a>

**Personal Details:**

<b>Full Names and Surname:</b>					
<b>Contact Details:</b>					
<b>Tel(w):</b>		<b>Tel(h):</b>		<b>Fax No:</b>	
<b>Email:</b>					
<b>Physical Address:</b>					
<b>Postal Address:</b>					
Preferred method of communication: fax <input type="checkbox"/> e-mail <input type="checkbox"/> post <input type="checkbox"/>					
Preferred telephonic communication: cell <input type="checkbox"/> home <input type="checkbox"/> work <input type="checkbox"/>					
<b>Organisation/Representative:</b>					
<b>Farm name, number and subdivision or Street Address (if applicable):</b>					



1. What is your interest in the proposed project? E.g. Property Owner/ Lessee/ Tenant? Please provide details of the property.

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2. Do you have grounds for concerns in respect to this application? **Please tick the appropriate box and substantiate.**

YES

NO

3. Categorized issues of concerns: **Please "X" the appropriate box**

Air quality	Noise
Archaeology	Soil
Surface water	Employment
Groundwater	Security
Ecology	Visual
Land use and Planning Waste management	Quality of life Property value
Economy	Nuisance

4. If yes, please list elaborate further.

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5. Are there, in your opinion, any other interested/ or affected parties that should be contacted in relation to this application? Please 'X' appropriate box.

YES

NO

6. If yes, please provide their contact details:

Name:		Organization:	
Contact details			
Address:			
Tel No:	Fax No:	Cell No:	
Email address:			

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

**THANK YOU**





Appendix G: Stakeholder correspondence

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:29  
**To:** 'william.nyoni@drrdlr.gov.za' <william.nyoni@drrdlr.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Morning

Compliments of the new year. We wish you and yours abundant health, peace and prosperity in the new year.

This email serves as a reminder to revert with any information that you may wish to share regarding the prospecting right application. Kindly refer to below emails for more information.

In addition, the review period for the draft BA & EMPr is approaching, may you kindly share your preferred review method (electronic/hardcopy).

If you prefer hardcopy, kindly share your address for courier purposes.

Should you require any information, please do not hesitate to contact me.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 09 December 2020 09:26  
**To:** 'william.nyoni@drrdlr.gov.za' <william.nyoni@drrdlr.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day

I trust this email finds you well,

This email serves to remind you about the matter below. Your comments as the landowner are of utmost importance. Should you have any concerns or comments, kindly send them to us so we can incorporate them and develop a well-informed BA and EMPr.

I trust the above is in order.

Kind Regards,

**From:** Nokuthula <[nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)>  
**Sent:** Thursday, 26 November 2020 11:28  
**To:** 'william.nyoni@drdlr.gov.za' <[william.nyoni@drdlr.gov.za](mailto:william.nyoni@drdlr.gov.za)>  
**Cc:** 'kenneth@singoconsulting.co.za' <[kenneth@singoconsulting.co.za](mailto:kenneth@singoconsulting.co.za)>; 'rudzani@singoconsulting.co.za' <[rudzani@singoconsulting.co.za](mailto:rudzani@singoconsulting.co.za)>  
**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day,

We hope this email finds you well.

**Singo Consulting (Pty) Ltd** on behalf of **TR Engineering Projects (Pty) Ltd** hereby wish to inform you that it has submitted an application for a Prospecting Right together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources and Energy (DMRE) for the proposed project of prospecting for **Copper Ore, Tin Ore and Tungsten Ore** on the farm **Rieffontein 446 JR**, situated under the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

A WinDeed search was conducted to find out who the landowner of the above mention property is and it was found that he National Government is the landowner, Kindly find Background Information Document and Landowner Notification Letter. To provide security, the document is password encrypted. When prompted for a password, kindly use the following password: **'SC2012'** This Notification is being given in compliance with the terms of: Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998), and EIA Regulations (as amended, 07 April 2017) which requires that stakeholders must be notified of **TR Engineering Projects (Pty) Ltd's** intention to obtain Prospecting Right for the above mentioned minerals.

Kindly send through your comments via the attached registration form.

Kind regards,

**From:** Kitching, Stephanus <[Fanie.Kitching@seritiza.com](mailto:Fanie.Kitching@seritiza.com)>  
**Sent:** Wednesday, 09 December 2020 11:05  
**To:** nokuthula@singoconsulting.co.za  
**Cc:** Bryan.chaplog@gmail.com; renosterkopboerdery@gmail.com; 'Robin' <[robindewitt4@gmail.com](mailto:robindewitt4@gmail.com)>; carol wentzel <[wentzelca@yahoo.com](mailto:wentzelca@yahoo.com)>; Dirk Kitching <[Dirk.Kitching@mainstreamrp.com](mailto:Dirk.Kitching@mainstreamrp.com)>

**Subject:** Subject: FW: LANDOWNER NOTIFICATION FOR PROSPECTING RIGHT APPLICATION FOR TR ENGINEERING PROJECTS (PTY) LTD; DMRE REF NO.: MP 30/5/1/1/2/15853 PR

Good Day Nokuthula

Please clarify for me the following;

- Why is there no date on your landowner notification letter?
- When did TR Engineering Projects apply for the prospecting right?
- Why does your map indicate different farms like Zusterstroom, Swartkoppies, Rustfontein etc. marked as your prospecting area?
- Your documents refer to all portions of Rietfontein 446 JS??
- Please send me the notices in the Newspapers of the intended prospecting activities?

Regards

**Fanie Kitching**  
**Landowner**  
**0825957154**

**From:** Bryan Chaplog <bryanchaplog@gmail.com>  
**Sent:** Wednesday, 09 December 2020 09:46  
**To:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Cc:** bryan chaplog <BRYAN@bscaa.co.za>; Singo' <kenneth@singoconsulting.co.za>; Rudzani@singoconsulting.co.za

**Subject:** Re: FW: LANDOWNER NOTIFICATION FOR PROSPECTING RIGHT APPLICATION FOR TR ENGINEERING PROJECTS (PTY) LTD; DMRE REF NO.: MP 30/5/1/1/2/15853 PR

Dear Nokuthula

I have received the documents but they are password protected.

The Registration form is open but the Landowner notification and the Background Information is password protected

Bryan Chaplog

082 515 5105

On Wed, Dec 9, 2020 at 9:31 AM Nokuthula <[nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)> wrote:

Good Day

I trust this email finds you well,

This email serves to remind you about the matter below. Your input as the landowner is of utmost importance. Should you have any concerns or comments, kindly send them to us so we can incorporate them and develop a well-informed BA and EMPR.

I trust the above is in order.

Kind Regards,



**From:** Nokuthula <[nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)>  
**Sent:** Thursday, 26 November 2020 11:15  
**To:** 'BRYAN@BSCAA.CO.ZA' <[BRYAN@BSCAA.CO.ZA](mailto:BRYAN@BSCAA.CO.ZA)>  
**Cc:** 'kenneth@singoconsulting.co.za' <[kenneth@singoconsulting.co.za](mailto:kenneth@singoconsulting.co.za)>;  
'rudzani@singoconsulting.co.za' <[rudzani@singoconsulting.co.za](mailto:rudzani@singoconsulting.co.za)>  
**Subject:** LANDOWNER NOTIFICATION FOR PROSPECTING RIGHT APPLICATION FOR TR ENGINEERING PROJECTS (PTY) LTD; DMRE REF NO.: MP 30/5/1/1/2/15853 PR  
**Importance:** High

Good Day

We hope this email finds you well.

Singo Consulting (Pty) Ltd on behalf of TR Engineering Projects (Pty) Ltd, hereby wish to inform you that TR Engineering Projects (Pty) Ltd has submitted a Prospecting Right application together with Environmental Authorization application to the Mpumalanga Department of Mineral Resources and Energy for prospecting **Copper Ore, Tin Ore** and **Tungsten Ore** on the farm Rietfontein, situated under the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

Kindly note that you have been identified as one of the landowners for the above-mentioned property. As part of consultation and Public Participation Process, please see the attached documents for a brief description of the project and kindly fill in the form to raise your comments or concerns. May you kindly alert us of your availability should you require a formal meeting.

To provide security, the documents are password encrypted. When prompted for a password, kindly enter '**SC2012**'.

For more information or clarity regarding the project, do not hesitate to contact me using the details below.

Warm Regards,

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 12:01  
**To:** 'William Msiza' <MsizaW@thembisilehanilm.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>; 'Makgabo Tefo' <TefoM@thembisilehanilm.gov.za>; 'Madumetja Tsebe' <TsebeM@thembisilehanilm.gov.za>; 'Karabo Mamabolo' <MamaboloK@thembisilehanilm.gov.za>  
**Subject:** RE: \*\*\*SPAM\*\*\* RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Hello William

Thank you for your prompt response. the address has been noted.

You will be notified when the review period kicks off and when the documents are in transit.

Kind regards,

**From:** William Msiza <MsizaW@thembisilehanilm.gov.za>  
**Sent:** Thursday, 07 January 2021 11:32  
**To:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; Rudzani@singoconsulting.co.za; Makgabo Tefo <TefoM@thembisilehanilm.gov.za>; Madumetja Tsebe <TsebeM@thembisilehanilm.gov.za>; Karabo Mamabolo <MamaboloK@thembisilehanilm.gov.za>  
**Subject:** \*\*\*SPAM\*\*\* RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Hi Nokuthula

I hereby acknowledge receipt of your correspondence .

Please note our Address (physical) is stand no 24 Kwaggafontein "C" (adjacent to Kwaggafontein Police Station)

Private Bag x 4041 Empumalanga 0458 (Postal Address)

**Kind regards**

**Mr. WS Msiza**

**Assistant Manager: Local Economic Development (LED)**

Tel: (013) 986 9100/9146

Cell: (082) 967 2175

Stand No. 24C Kwaggafontein | Empumalanga | 0458 | opposite the Police Station

**Thembisile Hani Local Municipality**



*"SUCCESS LIES NOT IN NEVER FALLING, BUT IN WAKING UP AFTER EVERY FALL"*  
NELSON MANDELA.

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:08  
**To:** 'msizaw@thembisilehanilm.gov.za' <msizaw@thembisilehanilm.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Morning

Compliments of the new year. We wish you and yours abundant health, peace and prosperity in the new year.

This email serves as a reminder to revert with any information that you may wish to share regarding the prospecting right application. The review period is approaching, may you kindly share your address for courier purposes to receive the document for review.

Should you require any information, please do not hesitate to contact me.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Friday, 11 December 2020 11:28  
**To:** 'msizaw@thembisilehanilm.gov.za' <msizaw@thembisilehanilm.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>

**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day

As per our telecommunication on 11/12/2020, may you kindly see below email for your perusal.

Kind regards,



**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Monday, 07 December 2020 15:48  
**To:** 'msizaw@thembisilehanilm.gov.za' <msizaw@thembisilehanilm.gov.za>  
**Cc:** 'Kenneth, Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day,

We hope this email finds you well.

As per our telecommunication earlier, **Singo Consulting (Pty) Ltd** on behalf of **TR Engineering Projects (Pty) Ltd** hereby wish to inform you that it has submitted an application for a Prospecting Right together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources and Energy (DMRE) for the proposed project of prospecting for **Copper Ore, Tin Ore and Tungsten Ore** on the farm **Rieffontein 446 JR**, situated under the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

This Notification is being given in compliance with the terms of: Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998), and EIA Regulations (as amended, 07 April 2017) which requires that stakeholders must be notified of **TR Engineering Projects (Pty) Ltd's** intention to obtain Prospecting Right for the above mentioned minerals.

This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program Report (EMPR)

**Singo Consulting (Pty) Ltd** has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment, Public Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form and register your comments, issues, questions that you have about the proposed project on the registration form attached to this email. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find the attached Background Information Document (BID) for detailed description of the proposed project, timelines and registration form. To provide security, the document is password encrypted. When prompted for a password, kindly use the following password: **'SC2012'**



If you know anyone who might be interested in this project, kindly forward this email to that person. Also, we would appreciate assistance with the contact details of the relevant councilor for the applied for area and assistance with the contact details of the landowner, namely Zangro Een (Pty) Ltd of portion 9. Find attached WinDeed Search.

Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
+27 86 514 4103

nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

---

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:30  
**To:** 'skosanamm@nkangaladm.gov.za' <skosanamm@nkangaladm.gov.za>;  
'SimelaneNL@nkangaladm.gov.za' <SimelaneNL@nkangaladm.gov.za>;  
'nembilwim@nkangaladm.gov.za' <nembilwim@nkangaladm.gov.za>; 'Lerato Gambu'  
<gambulc@nkangaladm.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za'  
<Rudzani@singoconsulting.co.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Morning

Compliments of the new year. We wish you and yours abundant health, peace and prosperity in the new year.

This email serves as a reminder to revert with any information that you may wish to share regarding the prospecting right application. The review period is approaching, may you kindly share your preference for review purposes (electronically/hardcopy).

Should you require any information, please do not hesitate to contact me.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
+27 86 514 4103

nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

---

**From:** Naume Nkosi <nkosinm@nkangaladm.gov.za>  
**Sent:** Wednesday, 09 December 2020 11:19  
**To:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Cc:** Lerato Gambu <gambulc@nkangaladm.gov.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Greetings Nokuthula,

Please note that I am no longer in the MM's office,

Kindly replace my name with Lerato Gambu at E: [gambulc@nkangalad.gov.za](mailto:gambulc@nkangalad.gov.za).

Regards,  
NMN.

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 09 December 2020 09:25  
**To:** 'skosanamm@nkalangadm.gov.za' <skosanamm@nkalangadm.gov.za>;  
'nkosinm@nkangaladm.gov.za' <nkosinm@nkangaladm.gov.za>;  
'SimelaneNL@nkangaladm.gov.za' <SimelaneNL@nkangaladm.gov.za>;  
'nembilwim@nkangaladm.gov.za' <nembilwim@nkangaladm.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day

I trust this email finds you well,

This email serves to remind you about the matter below. Should you have any concerns or comments, kindly send them to us so we can incorporate them and develop a well-informed BA and EMPR.

I trust the above is in order.

Kind Regards,

The image shows two business cards. The left card is for Nokuthula, Nkosi, Junior Consultant in Environmental Management (Cand.). It lists contact information: mobile +27 81 386 8589, office +27 13 692 0041, email nokuthula@singoconsulting.co.za, and website www.singoconsulting.co.za. The right card is for Singo Consulting (Pty) Ltd, located at 09 Langa Crescent, Office No.16, Corridor Hill Crossing, First Floor (South Block), eMalahleni. It includes social media icons for LinkedIn, Facebook, WhatsApp, and Instagram.

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 26 November 2020 11:38  
**To:** 'skosanamm@nkalangadm.gov.za' <skosanamm@nkalangadm.gov.za>;  
'nkosinm@nkangaladm.gov.za' <nkosinm@nkangaladm.gov.za>;  
'nembilwim@nkangaladm.gov.za' <nembilwim@nkangaladm.gov.za>;  
'SimelaneNL@nkangaladm.gov.za' <SimelaneNL@nkangaladm.gov.za>  
**Cc:** 'kenneth@singoconsulting.co.za' <kenneth@singoconsulting.co.za>;  
'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>  
**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day,

We hope this email finds you well.

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This Notification is being given in compliance with the terms of: Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998), and EIA Regulations (as amended, 07 April 2017) which requires that

stakeholders must be notified of **TR Engineering Projects (Pty) Ltd's** intention to obtain Prospecting Right for the above mentioned minerals.

This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program Report (EMPR)

**Singo Consulting (Pty) Ltd** has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment, Public Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form and register your comments, issues, questions that you have about the proposed project on the registration form attached to this email. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find the attached Background Information Document (BID) for detailed description of the proposed project, timelines and registration form. To provide security, the document is password encrypted. When prompted for a password, kindly use the following password: **'SC2012'**

If you know anyone who might be interested in this project, kindly forward this email to that person.  
Kind regards,

The image shows two business cards. The left card is for Nokuthula, Nkosi, Junior Consultant in Environmental Management (Cand.). It lists contact details: mobile +27 81 386 8589, office +27 13 692 0041, email nokuthula@singoconsulting.co.za, and website www.singoconsulting.co.za. The right card is for Singo Consulting (Pty) Ltd, located at 09 Langa Crescent, Office No.16, Corridor Hill Crossing, First Floor (South Block), eMalahleni. It includes social media icons for LinkedIn, Facebook, WhatsApp, and Instagram.

---

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Tuesday, 05 January 2021 13:54  
**To:** 'Nevondo Seani (BHT)' <NevondoS@dws.gov.za>  
**Cc:** 'kenneth@singoconsulting.co.za' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day

Thank you for your response. Kindly note that the application is for prospecting rights and not mining rights, thus a buffer will be designed around sensitive areas so that the proposed boreholes are placed away from any waterbodies.

I trust the above is in order. Should you require more clarity, please do not hesitate to contact me.  
Kind Regards,

**From:** Nevondo Seani (BHT) <NevondoS@dws.gov.za>  
**Sent:** Tuesday, 05 January 2021 12:22  
**To:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good day,

The applicant is advised to apply for all water uses relevant to the mining activity in terms of section 21 of the National Water Act, 1998 (Act No 36 of 1998) on the DWS online system referred to as electronic Water Use Licence Application Administration System (eWULAAS), which is accessible on the Departmental website: [www.dws.gov.za](http://www.dws.gov.za).

Kind regards

Seani Nevondo

Department of Water and Sanitation

Pretoria West (Olifants CMA)

[Tel:012 318 0518](tel:0123180518)

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 09 December 2020 10:10  
**To:** 'NevondoS@dws.gov.za' <NevondoS@dws.gov.za>; 'MbulaheniL@dws.gov.za' <MbulaheniL@dws.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>

**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day

I trust this email finds you well,

This email serves to remind you about the matter below. Should you have any concerns or comments, kindly send them to us so we can incorporate them and develop a well-informed BA and EMPR.

I trust the above is in order.

Kind Regards,

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 26 November 2020 10:23

**To:** 'NevondoS@dws.gov.za' <[NevondoS@dws.gov.za](mailto:NevondoS@dws.gov.za)>; 'MbulaheniL@dws.gov.za' <[MbulaheniL@dws.gov.za](mailto:MbulaheniL@dws.gov.za)>

**Cc:** 'kenneth@singoconsulting.co.za' <[kenneth@singoconsulting.co.za](mailto:kenneth@singoconsulting.co.za)>; 'rudzani@singoconsulting.co.za' <[rudzani@singoconsulting.co.za](mailto:rudzani@singoconsulting.co.za)>

**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day,

We hope this email finds you well.

**Singo Consulting (Pty) Ltd** on behalf of **TR Engineering Projects (Pty) Ltd** hereby wish to inform you that it has submitted an application for a Prospecting Right together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources and Energy (DMRE) for the proposed project of prospecting for **Copper Ore, Tin Ore and Tungsten Ore** on the farm **Rieffontein 446 JR**, situated under the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

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If you know anyone who might be interested in this project, kindly forward this email to that person. Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn f WhatsApp Instagram



**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:31  
**To:** 'RhulaniC@daff.gov.za' <RhulaniC@daff.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Morning

Compliments of the new year. We wish you and yours abundant health, peace and prosperity in the new year.

This email serves as a reminder to revert with any information that you may wish to share regarding the prospecting right application. The review period is approaching, may you kindly share your preference for review purposes (electronically/hardcopy).

Should you require any information, please do not hesitate to contact me.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 09 December 2020 09:23  
**To:** 'RhulaniC@daff.gov.za' <RhulaniC@daff.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Dear Rhulani

I trust this email finds you well,

This email serves to remind you about the matter below. Should you have any concerns or comments, kindly send them to us so we can incorporate them and develop a well-informed BA and EMPR.

I trust the above is in order.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 26 November 2020 11:42  
**To:** 'RhulaniC@daff.gov.za' <RhulaniC@daff.gov.za>

Cc: 'kenneth@singoconsulting.co.za'  
'rudzani@singoconsulting.co.za'

<kenneth@singoconsulting.co.za>;  
<rudzani@singoconsulting.co.za>

**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD;  
DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day,

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If you know anyone who might be interested in this project, kindly forward this email to that person.  
Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:19



**To:** 'Wayleavesmou@eskom.co.za' <Wayleavesmou@eskom.co.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>

**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Morning

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This email serves as a reminder to revert with any information that you may wish to share regarding the prospecting right application.

Should you require any information, please do not hesitate to contact me.

Kind Regards,

**Nokuthula, Nkosi**  
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Environmental Management (Cand.)

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nokuthula@singoconsulting.co.za  
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**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>

**Sent:** Wednesday, 09 December 2020 10:10

**To:** 'Wayleavesmou@eskom.co.za' <Wayleavesmou@eskom.co.za>

**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>

**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

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**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

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nokuthula@singoconsulting.co.za  
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**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>

**Sent:** Thursday, 26 November 2020 10:27

**To:** 'Wayleavesmou@eskom.co.za' <Wayleavesmou@eskom.co.za>

**Cc:** 'kenneth@singoconsulting.co.za' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>

**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD;  
DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

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- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program Report (EMPR)

**Singo Consulting (Pty) Ltd** has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment, Public Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form and register your comments, issues, questions that you have about the proposed project on the registration form attached to this email. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find the attached Background Information Document (BID) for detailed description of the proposed project, timelines and registration form. To provide security, the document is password encrypted. When prompted for a password, kindly use the following password: '**SC2012**'

If you know anyone who might be interested in this project, kindly forward this email to that person.

Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

+27 81 386 8589  
+27 13 692 0041  
+27 86 514 4103  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

LinkedIn Facebook WhatsApp Instagram

---

**From:** Livhuwani Ndou Transnet Freight Rail JHB <Livhuwani.Ndou@transnet.net>  
**Sent:** Thursday, 07 January 2021 10:20  
**To:** Nokuthula <nokuthula@singoconsulting.co.za>

**Subject:** Automatic reply: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR  
Hi

Please note that I am on laeve as from the 17th of December 2020 until the 14th of January 2021.  
Kind regards,

Livhuwani

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:19  
**To:** 'Tshidzi.Mavulwana@transnet.net' <Tshidzi.Mavulwana@transnet.net>; 'yuza.Chabalala@transnet.net' <yuza.Chabalala@transnet.net>; 'Livhuwani.ndou@transnet.net' <Livhuwani.ndou@transnet.net>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>

**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Morning

Compliments of the new year. We wish you and yours abundant health, peace and prosperity in the new year.

This email serves as a reminder to revert with any information that you may wish to share regarding the prospecting right application.

Should you require any information, please do not hesitate to contact me.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

+27 81 386 8589  
+27 13 692 0041  
+27 86 514 4103  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 09 December 2020 10:24  
**To:** 'Tshidzi.Mavulwana@transnet.net' <Tshidzi.Mavulwana@transnet.net>; 'yuza.Chabalala@transnet.net' <yuza.Chabalala@transnet.net>; 'Livhuwani.ndou@transnet.net' <Livhuwani.ndou@transnet.net>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>

**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day

I trust this email finds you well,

This email serves to remind you about the matter below. Should you have any concerns or comments, kindly send them to us so we can incorporate them and develop a well-informed BA and EMPR.

I trust the above is in order.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <[nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)>  
**Sent:** Thursday, 26 November 2020 10:33  
**To:** 'Tshidzi.Mavulwana@transnet.net' <[Tshidzi.Mavulwana@transnet.net](mailto:Tshidzi.Mavulwana@transnet.net)>;  
 'yuza.Chabalala@transnet.net' <[yuza.Chabalala@transnet.net](mailto:yuza.Chabalala@transnet.net)>; 'Livhuwani.ndou@transnet.net'  
 <[Livhuwani.ndou@transnet.net](mailto:Livhuwani.ndou@transnet.net)>  
**Cc:** 'kenneth@singoconsulting.co.za' <[kenneth@singoconsulting.co.za](mailto:kenneth@singoconsulting.co.za)>;  
 'rudzani@singoconsulting.co.za' <[rudzani@singoconsulting.co.za](mailto:rudzani@singoconsulting.co.za)>  
**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD;  
 DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day,

We hope this email finds you well.

**Singo Consulting (Pty) Ltd** on behalf of **TR Engineering Projects (Pty) Ltd** hereby wish to inform you that it has submitted an application for a Prospecting Right together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources and Energy (DMRE) for the proposed project of prospecting for **Copper Ore, Tin Ore and Tungsten Ore** on the farm **Rieffontein 446 JR**, situated under the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

This Notification is being given in compliance with the terms of: Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998), and EIA Regulations (as amended, 07 April 2017) which requires that stakeholders must be notified of **TR Engineering Projects (Pty) Ltd's** intention to obtain Prospecting Right for the above mentioned minerals.

This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program Report (EMPR)

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If you know anyone who might be interested in this project, kindly forward this email to that person.  
Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 02 December 2020 22:06  
**To:** 'Themba Mkhonto' <Themba.Mkhonto@drdlr.gov.za>  
**Cc:** 'Thandeka Yvonne Dhlamini' <Thandeka.Dhlamini@drdlr.gov.za>; 'Vusi Kleinboy Khoza' <Vusi.Khoza@drdlr.gov.za>; 'Petruscha Elaine Lindoor' <Petruscha.Lindoor@drdlr.gov.za>; 'Ntokozo Nkambule' <ntokozo.nkambule@drdlr.gov.za>; 'Mzothule Ngema' <Mzothule.Ngema@drdlr.gov.za>; 'Dudu Makhubela' <Dudu.Makhubela@drdlr.gov.za>; 'Lazarus Masuku' <Lazarus.Masuku@drdlr.gov.za>; 'Kenneth, Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** RE: LAND CLAIM ENQUIRY ON THE FARM REITFONTEIN 446 JR

Dear Themba  
Thank you for the prompt response.  
Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Themba Mkhonto <Themba.Mkhonto@drdlr.gov.za>  
**Sent:** Tuesday, 01 December 2020 10:40  
**To:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Cc:** Thandeka Yvonne Dhlamini <Thandeka.Dhlamini@drdlr.gov.za>; Vusi Kleinboy Khoza <Vusi.Khoza@drdlr.gov.za>; Petruscha Elaine Lindoor <Petruscha.Lindoor@drdlr.gov.za>; Ntokozo Nkambule <ntokozo.nkambule@drdlr.gov.za>; Mzothule Ngema <Mzothule.Ngema@drdlr.gov.za>; Dudu Makhubela <Dudu.Makhubela@drdlr.gov.za>; Lazarus Masuku <Lazarus.Masuku@drdlr.gov.za>  
**Subject:** RE: LAND CLAIM ENQUIRY ON THE FARM REITFONTEIN 446 JR

Good day  
Kindly find the attached respond as requested  
Warm regards

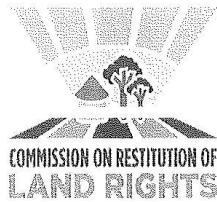




# 16 Days of Activism for **No Violence Against Women and Children** 2020

#16Days2020





OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: MPUMALANGA  
 18 Bell Street, Bell Tower building, Restitution House, Nelspruit | Private Bag X11330, Nelspruit, 1200  
 Tel: (013) 752 4054 | Fax: (013) 752 5410

ENQ: MR T MKHONTO  
 TEL : 013 752 4054

**SINGO CONSULTING (PTY) LTD**  
**ATTENTION: NOKUTHULA NKOSI**

**LAND RESTITUTION IN TERMS OF THE RESTITUTION OF LAND RIGHTS ACT NO. 22 OF 1994**

I refer to your enquiry, dated 26 November 2020

Please note that a claim for the restitution of land rights has been lodged against the following property:

Property Description	Comments	File number	Claim Status
<b>Province: Mpumalanga</b> <b>Magisterial District: Thembisile Hani</b>  <b>Property:</b> > Farm Rietfontein 446 JR	> According to our data database, there is registered land claim lodged against the farm Rietfontein 446 JR  Further clarity, please contact the Project Officer Mrs Queen Nkadimeng @ 071 853 1135 / 013 655 1000	> KRP 10182 > KRP 4994	> Gazetted


It is not within the powers of the Commission on Restitution of Land Rights to grant or withhold permission for the development or alienation in respect of land being claimed until such a claim has been gazette<sup>22</sup>, unless such development would constitute an obstruction to the achievement of the aims and objectives of the Restitution of Land Rights Act 22 of 1994. In such instances application can be made in the Land Claims Court in terms of Section 6(3) of the Restitution Act; this can be done at any stage after the claim has been lodged - even before the publishing of such a claim in terms of Section 11 of the Restitution of Land Rights Act 22 of 1994.



While the Regional Land Claims Commission: Mpumalanga has taken reasonable care to ensure the accuracy of the above-mentioned information, the Commission cannot be held accountable if, through the process of further investigation, additional information is found that contradicts this communication.

The records in the Records Management Section of the Department of the Rural Development and Land Reform reflect in respect of the following property Rietfontein 446 JR which is situated in the Thembisile Hani Local municipality, Nkangala District in Mpumalanga Province, that there is a competing land claims in respect of the above mentioned properties.

Kind regards

  
.....  
**Mr. E.S. NKOSI**  
**CHIEF DIRECTOR**  
**OFFICE OF REGIONAL LAND CLAIMS COMMISSION**  
DATE: 01/12/2021

**From:** Nokuthula [mailto:nokuthula@singoconsulting.co.za]  
**Sent:** Thursday, November 26, 2020 11:34 AM  
**To:** Vusi Kleinboy Khoza; Themba Mkhonto  
**Cc:** Petruscha Elaine Lindoor  
**Subject:** LAND CLAIM ENQUIRY ON THE FARM REITFONTEIN 446 JR

Good day,

We hope this email finds you well.

You are receiving this email as an enquiry for any possible land claim on all portions of the farm **Rietfontein 446 JR** under the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

Kindly review attached **Regulation Map** and **Coordinates (Book1)** for detailed description of proposed project. This is to ensure that all claimants are properly consulted and are given an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Scoping; and
- Inform any other person / organization that they may feel should be informed about the project.

Your comments will be highly appreciated as they will assist us in developing a well-informed Basic Assessment and Environmental Management Programme Report.

The image shows two business cards. The left card is for Nokuthula, Nkosi, Junior Consultant in Environmental Management (Cond.). It lists contact details: mobile +27 81 386 8589, office +27 13 692 0041, email nokuthula@singoconsulting.co.za, and website www.singoconsulting.co.za. The right card is for Singo Consulting (Pty) Ltd, located at 09 Langa Crescent, Office No.16, Corridor Hill Crossing, First Floor (South Block), eMalahleni. It includes social media icons for LinkedIn, Facebook, WhatsApp, and Instagram.

---

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 26 November 2020 10:28  
**To:** 'Phumla Nkosi' <Phumla.Nkosi@mtpa.co.za>  
**Cc:** 'kenneth@singoconsulting.co.za' <kenneth@singoconsulting.co.za>; 'rudzani@singoconsulting.co.za' <rudzani@singoconsulting.co.za>  
**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day,

We hope this email finds you well.

**Singo Consulting (Pty) Ltd** on behalf of **TR Engineering Projects (Pty) Ltd** hereby wish to inform you that it has submitted an application for a Prospecting Right together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources and Energy (DMRE) for the proposed project of prospecting for **Copper Ore, Tin Ore and Tungsten Ore** on the farm **Rietfontein 446 JR**, situated under the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

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This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of

pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program Report (EMPR)

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Please find the attached Background Information Document (BID) for detailed description of the proposed project, timelines and registration form. To provide security, the document is password encrypted. When prompted for a password, kindly use the following password: '**SC2012**'. Kindly note that a hard copy of the draft BA & EMP report will be couriered to your office during the review period.

If you know anyone who might be interested in this project, kindly forward this email to that person.  
Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

---

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:21  
**To:** 'T.Mthlane@sanbi.org.za' <T.Mthlane@sanbi.org.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>

**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Morning

Compliments of the new year. We wish you and yours abundant health, peace and prosperity in the new year.

This email serves as a reminder to revert with any information that you may wish to share regarding the prospecting right application. The review period is approaching, may you kindly share your preference for review purposes (electronically/hardcopy).

Should you require any information, please do not hesitate to contact me.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Dipolelo Moshe <D.Moshe@sanbi.org.za>  
**Sent:** Wednesday, 09 December 2020 10:48  
**To:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Subject:** Automatic reply: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR  
 Good day and thank you for your email.

Kindly note that I have left the organisation.

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 09 December 2020 10:47  
**To:** 'd.moshe@sanbi.org.za' <d.moshe@sanbi.org.za>  
**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day

May you kindly see information below. It came to my attention the email address used prior was incorrect.

Apologies for any inconvenience caused  
 Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 09 December 2020 09:41  
**To:** 'D.Moshe@sanbi.gov.za' <D.Moshe@sanbi.gov.za>; 'T.Mthlane@sanbi.org.za' <T.Mthlane@sanbi.org.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

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Junior Consultant  
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nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <[nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)>  
**Sent:** Thursday, 26 November 2020 10:42  
**To:** 'D.Moshe@sanbi.gov.za' <[D.Moshe@sanbi.gov.za](mailto:D.Moshe@sanbi.gov.za)>; 'T.Mthalande@sanbi.org.za' <[T.Mthalande@sanbi.org.za](mailto:T.Mthalande@sanbi.org.za)>  
**Cc:** 'kenneth@singoconsulting.co.za' <[kenneth@singoconsulting.co.za](mailto:kenneth@singoconsulting.co.za)>; 'rudzani@singoconsulting.co.za' <[rudzani@singoconsulting.co.za](mailto:rudzani@singoconsulting.co.za)>  
**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

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**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

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+27 13 692 0041  
+27 86 514 4103

nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

---

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:20  
**To:** 'noncebos@labour.gov.za' <noncebos@labour.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

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Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cand.)

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+27 86 514 4103

nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

---

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Wednesday, 09 December 2020 10:24  
**To:** 'noncebos@labour.gov.za' <noncebos@labour.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** FW: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day

I trust this email finds you well,

This email serves to remind you about the matter below. Should you have any concerns or comments, kindly send them to us so we can incorporate them and develop a well-informed BA and EMPR.

I trust the above is in order.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**

09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalaheni

LinkedIn Facebook WhatsApp Instagram

**From:** Nokuthula <[nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)>  
**Sent:** Thursday, 26 November 2020 10:34  
**To:** 'noncebos@labour.gov.za' <[noncebos@labour.gov.za](mailto:noncebos@labour.gov.za)>  
**Cc:** 'kenneth@singoconsulting.co.za' <[kenneth@singoconsulting.co.za](mailto:kenneth@singoconsulting.co.za)>;  
'rudzani@singoconsulting.co.za' <[rudzani@singoconsulting.co.za](mailto:rudzani@singoconsulting.co.za)>  
**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD;  
DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Day,

We hope this email finds you well.

**Singo Consulting (Pty) Ltd** on behalf of **TR Engineering Projects (Pty) Ltd** hereby wish to inform you that it has submitted an application for a Prospecting Right together with an Environmental Authorization to the Mpumalanga Department of Mineral Resources and Energy (DMRE) for the proposed project of prospecting for **Copper Ore, Tin Ore and Tungsten Ore** on the farm **Rieffontein 446 JR**, situated under the Magisterial District of Bronkhorstspuit, Mpumalanga Province.

This Notification is being given in compliance with the terms of: Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998), and EIA Regulations (as amended, 07 April 2017) which requires that stakeholders must be notified of **TR Engineering Projects (Pty) Ltd's** intention to obtain Prospecting Right for the above mentioned minerals.

This invitation is being extended to you because the department that you represent might be somehow enforcing any of the Republic of South Africa's laws of which ensures; prevention of pollution & environmental degradation, promotes sustainable development & socio-economic development, or instead might be affected by mining activities. Hence you are being offered an opportunity to:

- Register as an I&AP and to respond to the environmental compliance process;
- Raise issues of concern and provide suggestions for enhanced benefits;
- Contribute to local knowledge;
- Comment on the Draft Basic Assessment Report (DBAR) & Environmental Management Program Report (EMPR)

**Singo Consulting (Pty) Ltd** has been appointed as an independent Environmental Assessment Practitioner (EAP) to manage the environmental authorization process, by conducting Environmental Impact Assessment, Public Participation for the proposed project and compile an Environmental Management Plan. A Basic Assessment process has commenced, for your participation kindly fill the comment form and register your comments, issues, questions that you have about the proposed project on the registration form attached to this email. Should you need any clarity on the attached documents or have any queries with regards to the project, please do not hesitate to contact me on the details below.

Please find the attached Background Information Document (BID) for detailed description of the proposed project, timelines and registration form. To provide security, the document is password encrypted. When prompted for a password, kindly use the following password: '**SC2012**'



If you know anyone who might be interested in this project, kindly forward this email to that person.  
Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
www.singoconsulting.co.za

**Singo Consulting (Pty) Ltd**  
09 Langa Crescent, Office No.16  
Corridor Hill Crossing  
First Floor (South Block)  
eMalahleni

LinkedIn Facebook WhatsApp Instagram

---

**From:** Nokuthula <nokuthula@singoconsulting.co.za>  
**Sent:** Thursday, 07 January 2021 10:20  
**To:** 'Tramavhona@environment.gov.za' <Tramavhona@environment.gov.za>;  
'emakhubele@environmental.gov.za' <emakhubele@environmental.gov.za>;  
'pmatitla@environmental.gov.za' <pmatitla@environmental.gov.za>  
**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
**Subject:** RE: NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD; DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

Good Morning

Compliments of the new year. We wish you and yours abundant health, peace and prosperity in the new year.

This email serves as a reminder to revert with any information that you may wish to share regarding the prospecting right application. The review period is approaching, may you kindly share your preference for review purposes (electronically/hardcopy).

Should you require any information, please do not hesitate to contact me.

Kind Regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

+27 81 386 8589  
+27 13 692 0041  
nokuthula@singoconsulting.co.za  
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'emakhubele@environmental.gov.za' <emakhubele@environmental.gov.za>;  
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**Cc:** 'Singo' <kenneth@singoconsulting.co.za>; 'Rudzani@singoconsulting.co.za' <Rudzani@singoconsulting.co.za>  
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I trust the above is in order.

Kind Regards,

The image shows two business cards. The left card is for Nokuthula, Nkosi, a Junior Consultant in Environmental Management (Candidate). It lists contact details: mobile +27 81 386 8589, office +27 13 692 0041, email nokuthula@singoconsulting.co.za, and website www.singoconsulting.co.za. The right card is for Singo Consulting (Pty) Ltd, located at 09 Langa Crescent, Office No.16, Corridor Hill Crossing, First Floor (South Block), eMalahleni. It includes social media icons for LinkedIn, Facebook, WhatsApp, and Instagram.

**From:** Nokuthula <[nokuthula@singoconsulting.co.za](mailto:nokuthula@singoconsulting.co.za)>  
**Sent:** Thursday, 26 November 2020 10:40  
**To:** 'Tramavhona@environment.gov.za' <[Tramavhona@environment.gov.za](mailto:Tramavhona@environment.gov.za)>;  
'emakhubele@emvidonmental.gov.za' <[emakhubele@emvidonmental.gov.za](mailto:emakhubele@emvidonmental.gov.za)>;  
'pmatitla@environmental.gov.za' <[pmatitla@environmental.gov.za](mailto:pmatitla@environmental.gov.za)>  
**Cc:** 'kenneth@singoconsulting.co.za' <[kenneth@singoconsulting.co.za](mailto:kenneth@singoconsulting.co.za)>;  
'rudzani@singoconsulting.co.za' <[rudzani@singoconsulting.co.za](mailto:rudzani@singoconsulting.co.za)>  
**Subject:** NOTICE OF PROSPECTING RIGHT APPLICATION BY TR ENGINEERING PROJECTS (PTY) LTD;  
DMRE REFERENCE NUMBER: MP 30/5/1/1/2/15853 PR

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If you know anyone who might be interested in this project, kindly forward this email to that person.  
Kind regards,

**Nokuthula, Nkosi**  
Junior Consultant  
Environmental Management (Cond.)

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eMalaheni

LinkedIn f WhatsApp Instagram

Appendix H: Site assessment pictures







*Appendix I: Proof of submission/courier*



Appendix J: Quantum calculation

CALCULATION OF THE QUANTUM



TR Engineering Projects (Pty) Ltd

MP/30/5/1/1/2/ 15853 PR

Applicant:  
Evaluator:

Kenneth Singo

Ref No.:  
Date:

Jan-21

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	0	16	1	1	0
2 (A)	Demolition of steel buildings and structures	m2	0	228	1	1	0
2(B)	Demolition of reinforced concrete buildings and structures	m2	0	336	1	1	0
3	Rehabilitation of access roads	m2	0	41	1	1	0
4 (A)	Demolition and rehabilitation of electrified railway lines	m	0	395	1	1	0
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m	0	216	1	1	0
5	Demolition of housing and/or administration facilities	m2	0	455	1	1	0
6	Opencast rehabilitation including final voids and ramps	ha	0	238697	1	1	0
7	Sealing of shafts adits and inclines	m3	0	122	1	1	0
8 (A)	Rehabilitation of overburden and spoils	ha	0	159131	1	1	0
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	0	198195	1	1	0
8 ( C )	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha	0	5575653	1	1	0
9	Rehabilitation of subsided areas	ha	0	133249	1	1	0
10	General surface rehabilitation	ha	0,9	126059	0,27	1	30632,337
11	River diversions	ha	0	126059	1	1	0
12	Fencing	m	0	144	1	1	0
13	Water management	ha	0	47931	1	1	0
14	2 to 3 years of maintenance and aftercare	ha	0	16776	1	1	0
15 (A)	Specialist study	Sum	0	0	1	1	0
15 (B)	Specialist study	Sum	0	0	1	1	0
Sub Total 1							30632,337

1	Preliminary and General	3675,88044	weighting factor 2 1		3675,88044
2	Contingencies	3063,2337			3063,2337
Subtotal 2					37371,45

SIGN Ndinanyi Kenneth Singo  
DATE 2021/01/05

VAT (15%)	12318,69
-----------	----------

<b>Grand Total</b>	<b>49690</b>
--------------------	--------------



## NDINANNYI KENNETH SINGO



### Singo Consulting (Pty) Ltd

Private Bag X 7214, Postnet Suite 125, Witbank 1035  
Office No. 16, First Floor (South Block), Corridor Hill Crossing,  
09 Langa Crescent, Corridor Hill, eMalahleni, Witbank, 1040.  
Tel No.: 072-081-6682/078-2727-839  
Fax No.: 086-514-4103

E-mail address: [kenneth@singoconsulting.co.za](mailto:kenneth@singoconsulting.co.za)

---

#### TERTIARY EDUCATION

Qualification	:	<b>Ph.D.</b> (Geology, Applied Environmental Mineralogy & Geochemistry)
Institution	:	University of Johannesburg
Year Obtained	:	Results issued, graduation date to be confirmed.
PhD Project Title	:	In Search of the Possible Economic Potential, through Conceptual Study, on Reclamation of Defunct Mine Residue areas for Development Purposes: Case study of Musina Copper Mine, Giyani Louis Moore Gold Mine and Zwigodini Nyala Magnesite Mine, South Africa
Qualification	:	<b>M.Sc.</b> (Environmental Management)
Institution	:	University of South Africa
Year Obtained	:	2013
Masters Project Title	:	An Assessment of Heavy Metal Pollution in the Vicinity of the Defunct Copper Mine Dumps in Musina, South Africa
Qualification	:	<b>B.Sc.</b> (Hons) Mining & Environmental Geology
Institution	:	University of Venda
Year Obtained	:	2008
Honours Project Title	:	Structural Control on Kimberlite Pipes: A Case Study of Venetia Kimberlite Pipe-K19, Venetia Open Cast Diamond Mine, South Africa

---

#### WORK EXPERIENCE

Company	:	Singo Consulting
Position	:	Director/Principal Consultant
Duration	:	9 August 2012—TODATE
Key Focus Area	:	Environmental Projects

#### Technical work:

- Environmental Impact Assessment
- Environmental Management Plans
- Social and Community Development Plans
- Geological (Exploration, Resource Estimation and Competency Report)
- Hydrological and Hydrology (Surface and Groundwater Studies)
- Soil Science (Soil profiling, Modelling and Soil Chemistry)
- Environmental Control Office
- Geotechnical (Soil and Rock)
- Mining Feasibility Studies

---

#### TRAINING COURSES

- 17- 19 April 2012: GSSA Drilling Methods & Techniques in Resource Exploration

- > 13-14 September 2012: GSSA Exploration Drill Site Safety
- > 3 May 2013: SHE Representative Training
- > 6-10 May 2013: Witwatersrand University, A3 SHE Risk Assessment Management
- > 22 July 2013: AATCGS Geophysics 101: Basics of Geophysics and Its Application in Coal
- > 31 July 2013: Mentorship Training
- > 14 April 2014: A2 Safety for Managers
- > 13 May - 26 June: Lump Ore Beneficiation (Basic Coal Preparation): Metallurgy G101-105, Colliery Training College, Witbank
- > 14-17 July 2014: Safety Leadership Programme
- > 6-8 Oct 2014: Understanding Coal Quality, ALS Witbank Training
- > 3-7 Nov 2014: Foundation for Leadership Programme
- > 3 Feb 2015: 4X4 Defensive Driving Training
- > 1 May 2015: Assertiveness Awareness and Training
- > 21-22 July 2016: Time Management Training

---

#### SYMPOSIUMS

- > 29 July 2013: **Presenter:** 4<sup>th</sup> Prof Humphrey Memorial Post-Graduate Symposium, University of South Africa
- > 11 November 2015: **Presenter:** Wits GSSA REI Colloquium: Economic Potential and Viability of reclaiming mine dumps in the Limpopo Province.

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#### CONFERENCES

---

##### LIST OF CONFERENCE PROCEEDINGS AND SYMPOSIUMS:

- > 26-28 November 2012: Aminergy Acid Mine Drainage South Africa Conference
- > 10-12 March 2014: **Presenter:** SAICE 5<sup>th</sup> International Mining and Industrial Waste Management Conference
- > 29 Sept-3 Oct 2014: 9<sup>th</sup> International Mine Closure Conference, Sandton
- > 16-17 March 2015: Workshop: South Africa Mining-Related Landscape\* Rehabilitation Status Quo: Identifying Work Required to Close Current Knowledge gaps, WRC, Pretoria.
- > 8-11 Sept 2015: Land Rehabilitation Society of Southern Africa (**LaRSSA**): Mine rehab and biodiversity.
- > N.K. Singo\*, 2015. Wits GSSA REI Colloquium: Economic Potential and Viability of reclaiming mine dumps in the Limpopo Province. 11th November 2015, Witwatersrand University, Johannesburg, South Africa.
- > N.K. Singo\* and J.D. Kramers, 2016. Uranium as a potential health hazard as well as (even) an economic asset in the Louis Moore tailings dump, near Giyani, Limpopo Province. In symposium Proceedings: 6<sup>th</sup> Mintek Analytical Symposium "The Environment", Mintek G4, Randburg, Johannesburg, South Africa, Friday 21st October 2016.
- > N.K. Singo\* and J.D. Kramers, 2017. Chrysotile (white asbestos) occurrence in the Nyala Magnesite Mine dumps and the soils around them, and its health implications to the community of Zwigodini Village, Limpopo Province. 5<sup>th</sup> Annual Conference. 1-4 August 2017, Resilient Landscapes in a Changing Climate.
- > N.K. Singo\* and J.D. Kramers, 2017. Unlocking the potential economic benefit of a tailings dump through resource modelling and estimation: SHE (safety, health, and environmental) issues and solutions. MineSafe 2017 Conference, Striving for zero harm (driving excellence through compliance), Emperors Palace, Hotel Casino Convention Resort, Johannesburg, 30-31 August 2017, The Southern African Institute of Mining and Metallurgy (SAIMM).

#### List of publications:

- > N.K. Singo, and J.D., Kramers, 2017. Geochemical and Mineralogical Characterization of two low grade stockpiles (mine residue deposits): acid mine drainage vs neutral-alkaline mine drainage perspectives. A case study of the Musina (Copper) and Nyala (Magnesium) mines, South Africa.
- > N.K. Singo, and J.D., Kramers, 2017. Preferred tailings retreatment approach to unlock value and create environmental sustainability of the Louis Moore tailings dump, near Giyani, South Africa.
- > N.K. Singo, and J.D., Kramers, 2017. Copper tailings retreatment to deliver economic value with concurrent rehabilitation at the Musina mine, South Africa.

**List of Projects:**

List of Projects conducted and successfully completed by your company in mining Permits and Right.

Client Name	Contract Start date (dd/mm/yyyy)	Contract End date (dd/mm/yyyy)	*Contact Person	Contact Person's phone number(s) and Email Address
Mashavane Quarry	03-02-2015	12-06-2018	Mr P Ngwenya	<a href="mailto:Pat.nawenya@gmail.com">Pat.nawenya@gmail.com</a> 072 914 3508
CoalX-Carolina	02-04-2018	Ongoing	Rian Telma	H Mduza <a href="mailto:bramduza@icloud.com">bramduza@icloud.com</a> Riaan CoalX <a href="mailto:riaan@coalx.co.za">riaan@coalx.co.za</a>
CoalX-Balmoral	28-02-2018	Ongoing	Rian Telma	H Mduza <a href="mailto:bramduza@icloud.com">bramduza@icloud.com</a> Riaan CoalX < <a href="mailto:riaan@coalx.co.za">riaan@coalx.co.za</a> >
Malaheni Mining	6-6-2018	Ongoing	Roelf Depreez	<a href="mailto:roelf.dupreez@yahoo.com">roelf.dupreez@yahoo.com</a> 081 273 7785
New Venture Mining	23-4-2017	Ongoing	Mr. GB Simelane	076 246 3677 <a href="mailto:simelanegb@gmail.com">simelanegb@gmail.com</a> , <a href="mailto:simelane@jaments.co.za">simelane@jaments.co.za</a>
Veralli Mineral	1-8-2017	Ongoing	Mr. Rambauli TJ	<a href="mailto:jrambauli@yahoo.com">jrambauli@yahoo.com</a> 073 501 2819
Benicon Mining	1-10-2018	Ongoing	Mr Gavin Kotzen	<a href="mailto:gk@karoun.co.za">gk@karoun.co.za</a> 083 626 4555 017 647 1047



IAIASa Secretariat  
Tel +27(0)11 655 7183  
Fax 086 662 9849  
Address:  
43 Birchwood Court, Montrose  
Street, Vorna Valley, Midrand, 1618  
Postal address:  
PO Box 11666, Vorna Valley, 1686  
Email: [operations@iaiasa.co.za](mailto:operations@iaiasa.co.za)  
Website: [www.iaiasa.co.za](http://www.iaiasa.co.za)

---

**IAIASa Confirmation of Membership: 2018/2020**  
**Kenneth Singo    Membership Number: 6091**

---

27 November 2018

**TO WHOM IT MAY CONCERN**

Mr Kenneth Singo, Singo Consulting (Pty) Ltd (IAIASa membership Number 6091) is a paid-up full member in good standing of the South African Affiliate of the International Association for Impact Assessment and has been a member of IAIAsa since 1 March 2018.

This membership is valid from 1 March 2018 to 28 February 2020.

IAIASa is a voluntary organisation and is not a statutory body regulating the profession. Its members are however expected to abide by the organisation's code of ethics which is available on our website.

Any enquiries regarding this membership may be directed to the Secretariat at the above contact details.

Yours Sincerely

Robyn Luyt  
IAIASa President 2018/2019

---

President: R Luyt, Past President: J Tooley, President Elect & Treasurer: S Nkosi, Secretary: T Breetzke. Members: A Adams, N.Baloyi, N Lushozi, S O'Beirne, J Richardson, Branch Chairs: M de Villiers, L Kruger, Y Martin, N Nkoe, P Radford, D Sanderson.



*This Certifies that*

***Kenneth Singo***

*attended the*

***SAICE Geotechnical Division:***

**6<sup>th</sup> International Mining and Industrial Waste Management  
Conference**

*on 29, 30 & 31 October 2018*

*Legend Golf and Safari Resort, Limpopo*

ECSA - SAICEgeo18/02443/18 (3 credits)



**herewith certifies that  
Ndinanyi Kenneth Singo**

Registration Number: 400069/16

**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 1 of the Act)

Earth Science

Effective 9 March 2016

Expires 31 March 2020



A handwritten signature in black ink, appearing to read 'Botha', written over a horizontal line.

Chairperson

A handwritten signature in black ink, written over a horizontal line.

Chief Executive Officer



Scan this code to view online version of this certificate





*We certify that*

**NDINANNYI KENNETH SINGO**

*having complied with the requirements of the Higher Education Act  
and the Institutional Statute, was admitted to the degree of*

**MASTER OF SCIENCE**  
*in Environmental Management*

*at a congregation of the University  
on 14 October 2013*

If it is noticed that this document has been reproduced, altered, or otherwise used in any way, the University of South Africa will not be held responsible for any consequences that may arise. This document has been made available by an unauthorised person or the original.

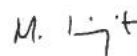
  
BRANCH MANAGER  
RIVER CRESCENT 1042  
06/03/19  
SA POST OFFICE



Vice-Chancellor

  
University Registrar





Executive Dean



# University of Venda



This is to Certify that the Degree of  
**Bachelor of Earth Sciences in  
Mining and Environmental Geology**

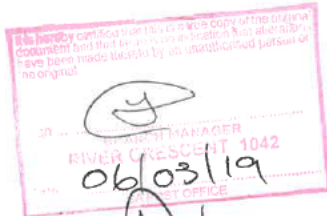
was Awarded to

SINGO NDINANNYI KENNETH

at a Ceremony held on the

07-MAY-2009

in Accordance with the Provisions of the  
Act and Statute



Vice Chancellor



University Registrar

Dean

28 March 2011

Mr N Singo  
P O Box 1034  
Makhado  
0920

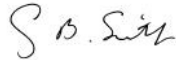
Dear Mr Singo

**APPLICATION FOR MEMBERSHIP - MEMBER NO 967334**

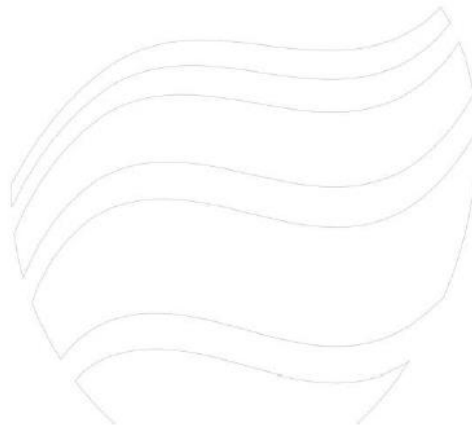
I have pleasure in advising you that your application for membership of the Geological Society of South Africa was ratified by the Council of the Society.

Trusting that your association with the Society will be pleasant and stimulating.

Kind regards



**CRAIG SMITH**  
EXECUTIVE MANAGER





**LAND REHABILITATION SOCIETY OF SOUTHERN AFRICA**

hereby certifies that

**Mr Ndinannyi Kenneth Singo**

is a fully paid-up member of the Society having all the  
rights and privileges of a

**Associate Member**

**Membership ID:**

On behalf of the Executive Council

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President of the Society  
Date Joined: 10 June 2015

Vice President of the Society  
Expiry date: 26 February 2020