



## mineral resources

Department:  
Mineral Resources  
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATIONS 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).

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### IMPORTANT NOTICE

**Kindly note that:**

1. As from 8 December 2014, this document serves as the application form, and incorporates the requisite documents that are to be submitted together with the application for the necessary environmental authorisations in terms of the said Acts.
2. This application form is applicable while the Mineral and Petroleum Resources Development Amendment Act of 2008 is in effect, as the form may require amendment should the Act be further amended.
3. Applicants are required to apply for the necessary water use licence and any other authorisations nor licences to the relevant competent authorities as required by the relevant legislation. Upon acceptance of an application for a right or permit in terms of the MPRDA, applicants will be required to provide evidence to the Regional Manager that a water use licence has been applied for.
4. The Regional Manager will respond to the application and provide the reference and correspondence details of the Competent Authority, and in the event that the application for a right or permit is accepted, together with the date by which the relevant environmental reports must be submitted. Notwithstanding anything that may appear to be stated to the contrary in the acceptance letter, the timeframes are in fact aligned and the prescribed timeframes for the submission of documents as regulated by the NEMA regulations must be strictly adhered to.
5. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
6. The failure to submit complete information as required in this application form may result in the refusal of the application for an environmental authorisation and consequently of the right or permit applied for.
7. This application must be submitted through the SAMRAD online application system of the Department of Mineral Resources under "Other documents to upload".
8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.
9. Please note that an application fee is payable in terms of the National Environmental Management Act and the National Waste Management Act, which fees must be paid upon lodgement of the application. Should the said application fees not be paid as prescribed the application for a right or permit in terms of the Mineral and Petroleum Resources Development Act cannot be considered to have been made in the prescribed manner and the said application for a right or permit will have to be rejected. In this regard the type of applications must be identified in the table below.

**PLEASE STATE TYPE OF AUTHORISATIONS BEING APPLIED FOR.**

APPLICATION TYPE	APPLICABLE FEE	Mark with an X where applicable
NEMA S&EIR application on its own	R10 000.00	<input type="checkbox"/>
NEMA BAR application on its own	R 2 000.00	<input type="checkbox"/>
NEMWA S&EIR application on its own	R10 000.00	<input checked="" type="checkbox"/>
NEMWA BAR application on its own	R 2 000.00	<input type="checkbox"/>
NEMA S&EIR application combined with NEMWA S&EIR application	R 15 000.00	<input type="checkbox"/>
NEMA BAR application combined with NEMWA BAR application	R 3 000.00	<input type="checkbox"/>
NEMA S&EIR application combined with NEMWA BAR application	R 11 000.00	<input type="checkbox"/>

**1. CONSULTATION BASIC ASSESSMENT AND/ OR SCOPING REPORT**

The application will be a full Scoping and EIA process.

**2. DETAILS OF THE APPLICANT**

Project applicant:	Western Platinum (Pty) Ltd		
Registration no (if any):	2015/305479/07		
Trading name (if any):	Western Platinum (Pty) Ltd		
Responsible Person, (e.g. Director, CEO, etc):	Environmental Manager		
Contact person:	Phillip Ramphisa		
Physical address:	Hex River Complex, Old Mine Road, Westonaria, 0299		
Postal address:	Private Bag X5, Westonaria, Gauteng, 0299		
Postal code:	0299	Cell:	073 880 0390
Telephone:	-	Fax:	N/A
E-mail:	phillip.ramphisa@sibanyestill water.com		

**3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION**

EAP:	San Oosthuzien		
Professional affiliation/registration:	EAPASA Registration: 2102/4053 SACNASP Registration: 115820 IAIA Member: 445645.		
Contact person (if different from EAP):	N/A		
Company:	Eco Partners (Pty) Ltd		
Physical address:	177 Weltevreden Road, Berario, 2195 Johannesburg South Africa		
Postal address:	177 Weltevreden Road, Berario, Johannesburg South Africa		
Postal code:	2195	Cell:	072 391 4679
Telephone:	-	Fax:	-
E-mail:	san@ecopartners.co.za		

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by the NEMA Regulations, prior to the commencement of the process. The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and relevant application processes) of the EAP must also be attached as **Appendix 1**.

#### 4. PROJECT DESCRIPTION

<b>Farm Name:</b>	223/297 225/297 226/297 227/297 RE/189/297 228/297
<b>Application area (Ha)</b>	58,7
<b>Magisterial district:</b>	Rustenburg Magisterial District
<b>Distance and direction from nearest town</b>	Approximately 15km east of Rustenburg, and approximately 6km west of Marikana.
<b>21 digit Surveyor General Code for each farm portion</b>	T0JQ00000000029700223 T0JQ00000000029700225 T0JQ00000000029700226 T0JQ00000000029700227 T0JQ00000000029700189 T0JQ00000000029700228
<b>Locality map</b>	Attach a locality map at a <b>scale not smaller than 1:250000</b> and attach as <b>Appendix 2</b>
<b>Description of the overall activity. (Indicate Mining Right, Mining Permit, Prospecting right, Bulk Sampling, Production Right, Exploration Right, Reconnaissance permit, Technical co-operation permit, Additional listed activity)</b>	The applicant is applying for a waste management license for the remining of the existing KDT 1 Tailings Storage Facility. The project aims to extend the LOM by processing a new feed source which includes the recovery of fine chrome and platinum group metals. No new infrastructure is proposed as part of this application. This application will be done under mining right NW/30/5/1/2/3/2/2/106 EM.

## 5. ACTIVITIES TO BE AUTHORISED

(Please provide copies of Environmental Authorisations obtained for the same property as **Appendix 3**).

(For an application for authorisation indicated. Pleathat involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indse note that any authorisation that may result from this application will only cover activities specifically applied for).(Attach a proposed site plan, drawn to a scale acceptable to the competent Authority, showing the location of all the activities to be applied for, as **Appendix 4**)

NAME OF ACTIVITY	Aerial extent of the Activity Ha or m <sup>2</sup>	LISTED ACTIVITY	APPLICABLE LISTING NOTICE	WASTE MANAGEMENT AUTHORITY
<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>		(Mark with an X where applicable or affected).	(GNR 544, GNR 545 or GNR 546)	(Indicate whether an authorisation is required in terms of the Waste Management Act).  (Mark with an X)
<p><b>KDT 1 TSF remining</b></p> <p>The establishment or reclamation of a residue stockpile or residue deposit resulting from activities which require a mining right, exploration right or production right in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002</p>	587 185 m <sup>2</sup>	B11	NEMWA: GNR 921	X



## 6. PUBLIC PARTICIPATION

(Provide details of the public participation process proposed for the application as required by Regulation.

### Details of the Public Participation process to be followed.

#### 6.1.1. IDENTIFICATION OF INTERESTED AND AFFECTED PARTIES TO BE CONSULTED

IDENTIFICATION CRITERIA	Mark with an X where applicable	
	YES	NO
Will the landowner be specifically consulted?	X	
Will the lawful occupier on the property other than the Landowner be consulted?	X	
Will a tribal authority or host community that may be affected be consulted?	X	
Will recipients of land claims in respect of the area be consulted?	X	
Will the landowners or lawful occupiers of neighbouring properties been identified?	X	
Will the local municipality be consulted?	X	
Will the Authority responsible for power lines within 100 metres of the area be consulted?	X	
Will Authorities responsible for public roads or railway lines within 100 metres of the area applied for be consulted?	X	
Will authorities responsible for any other infrastructure within 100 metres of the area applied for be consulted? (Specify)	X	
Will the Provincial Department responsible for the environment be consulted?	X	
Will all of the parties identified above be provided with a description of the proposed mining /prospecting operation as referred above?	X	
Will all the parties identified above be requested in writing to provide information as to how their interests (whether it be socio-economic, cultural, heritage or environmental) will be affected by the proposed mining project?	X	
Other, Specify		

## 6.1.2.DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

<p><b>Steps to be taken to notify interested and affected parties</b>  <b>parties</b>(Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultations. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. Photographs of notice boards, and copies of advertisements and notices notifying potentially interested and affected parties of the proposed application must be attached as <b>Appendix</b>)</p>	<p><b>PROVIDE DESCRIPTION HERE</b></p> <p>The Public Participation Process (PPP) commenced with an initial call to register where pre-identified Interested and Affected Parties (I&amp;AP's) were notified of the project via registered letters, emails and facsimiles.</p> <p>Ten (10) Site notices, in English and SeTswana, were placed in and around the proposed application area and surrounding communities.</p> <p>Distribution of A4 notices to I&amp;APs was carried out on site. Two (2) newspaper adverts in English and SeTswana were placed in the Rustenburg Herald notifying I&amp;APs of the proposed project.</p> <p>All call to register documentation and notices included contact details where I&amp;APs can submit their comments and/or concerns on the proposed project.</p> <p>The public participation process has been, and will continue to be, undertaken in accordance with the NEMA process and the 2014 Regulations. A period of 30 days will be provided to I&amp;AP's to comment on the draft DSR/EIAR/EMPr during that phase of the application process.</p>
<p><b>Information to be provided to Interested and Affected Parties.</b></p>	<p><b>Compulsory</b></p> <ul style="list-style-type: none"> <li>• The site plan.</li> <li>• List of activities to be authorised</li> <li>• Scale and extent of activities to be authorised</li> <li>• Typical impacts of activities to be authorised ( e.g.surface disturbance, dust, noise, drainage, fly rock etc.)</li> <li>• The duration of the activity.</li> <li>• 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)</li> </ul> <p><b>Other, specify:</b></p> <ul style="list-style-type: none"> <li>• A brief project description/purpose of the project.</li> <li>• Location of the proposed project.</li> <li>• Details of the MPRDA and NEMA Regulations that must be adhered to.</li> <li>• The activities being applied for.</li> <li>• Date by which comment, concerns and objections must be submitted.</li> <li>• Contact details of the Environmental Assessment Practitioner (EAP).</li> </ul>
<p><b>Information to be required from Interested and Affected Parties.</b></p>	<p><b>Compulsory</b></p> <ul style="list-style-type: none"> <li>• To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions</li> <li>• To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity</li> <li>• To provide information on current land uses and their location within the area under consideration</li> </ul>

	<ul style="list-style-type: none"> <li>• To provide information on the location of environmental features on site to make proposals as to how and to what standard the impacts on site can be remedied. requested to make written proposals</li> <li>• To mitigate the potential impacts on their socio economic conditions to make proposals as to how the potential impacts on their infrastructure can be managed, avoided or remedied).</li> </ul>
	<p><b>Other, Specify</b></p> <ul style="list-style-type: none"> <li>• Details of the landowner and information on lawful occupiers.</li> <li>• Details of any communities existing within the area.</li> <li>• Details of any Tribal Authorities within the area.</li> <li>• Details of any other I&amp;AP's that need to be notified.</li> <li>• Details on any land developments proposed.</li> <li>• Details of any perceived impacts to the environment that should be considered in the EIA reports.</li> <li>• Any specific comments, concerns or objections to the proposed retrofitting of the existing Western Limb Treatment Plant (WLTR) project.</li> </ul>

## 7. Description of the assessment process to be undertaken

ITEM	DESCRIPTION
<b>Environmental attributes.</b> Describe how the Environmental attributes associated with the development footprint will be determined.	<p>The description of the existing status of the current receiving environment will be compiled through desktop data and available GIS information.</p>
<b>Identification of impacts and risks.</b> (Describe the process that will be used to identify impacts and risks.	<p>The identification of potential impacts and risks for assessment will be undertaken through I&amp;AP consultation and the development of an in depth understanding of the activities, actions and processes to be undertaken on site based on the EAP's experience with similar projects. As such, the potential impacts and risks on broad environmental aspects, in respect of each of the main project actions, activities and processes will be assessed during the BA process.</p> <p>The impact assessment methodology to be used is guided by the requirements of the NEMA EIA Regulations. The broad approach to the significance rating methodology is to determine the environmental risk (ER) by considering the consequence (C) of each impact (comprising Nature, Extent, Duration, Magnitude, and Reversibility) and relate this to the probability/likelihood (P) of the impact occurring. This determines the environmental risk. In addition, other factors, including cumulative impacts, public concern, and potential for irreplaceable loss of resources, are used to determine a prioritisation factor (PF) which is applied to the ER to determine the overall significance (S).</p>
<b>Consideration of alternatives.</b> Describe how alternatives, and in particular the alternatives to the proposed site layout and possible alternative methods or technology to be applied will be determined.	<p>The identification and assessment of alternatives is a key component to the success of any EIA process. Essentially, alternatives represent different means of meeting the general purpose and need of the proposed project through the identification of the most appropriate method of development. Two levels of alternative screening will be investigated and considered which culminate into the identification of the feasible development alternative. The first level alternatives include land use, location, mining method, etc. These alternatives will determine the optimal placement and process for the proposed mining operation. After these viable alternatives have been assessed (if any), the level two alternatives; including technology, phasing and site layout alternatives will be considered in order to ensure the best practicable option is proposed for the activity.</p>
<b>Process to assess and rank impacts.</b> Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.	<p><u>Method of Assessing Impacts:</u></p> <p>The impact assessment methodology is guided by the requirements of the NEMA EIA Regulations. The broad approach to the significance rating methodology is to determine the <u>environmental risk (ER)</u> by considering the <u>consequence (C)</u> of each impact (comprising Nature, Extent, Duration, Magnitude, and Reversibility) and relate this to the <u>probability/likelihood (P)</u> of the impact occurring. This determines the environmental risk. In addition, other factors, including cumulative impacts, public concern, and potential for irreplaceable loss of resources, are used to determine a <u>prioritisation factor (PF)</u> which is applied to the ER to determine the overall <u>significance (S)</u>.</p> <p><u>Determination of Environmental Risk:</u></p> <p>The significance (S) of an impact is determined by applying a prioritisation factor (PF) to the environmental risk (ER).</p> <p>The environmental risk is dependent on the consequence (C) of the particular impact and the probability (P) of the impact occurring. Consequence is</p>

determined through the consideration of the Nature (N), Extent (E), Duration (D), Magnitude (M), and reversibility (R) applicable to the specific impact.

For the purpose of this methodology the consequence of the impact is represented by:

$$C = (E+D+M+R) \times N$$

4

Each individual aspect in the determination of the consequence is represented by a rating scale as defined in Table 1.

**Table 1: CRITERIA FOR DETERMINING IMPACT CONSEQUENCE**

Criteria for Determining Impact Consequence		
Nature	- 1	Likely to result in a negative/ detrimental impact
	+1	Likely to result in a positive/ beneficial impact
Extent	1	Activity (i.e. limited to the area applicable to the specific activity)
	2	Site (i.e. within the development property boundary),
	3	Local (i.e. the area within 5 km of the site),
	4	Regional (i.e. extends between 5 and 50 km from the site)
	5	Provincial / National (i.e. extends beyond 50 km from the site)
Duration	1	Immediate (<1 year)
	2	Short term (1-5 years),
	3	Medium term (6-15 years),
	4	Long term (the impact will cease after the operational life span of the project),



	Magnitude/Intensity	5	Permanent (no mitigation measure of natural process will reduce the impact after construction).
		1	Minor (where the impact affects the environment in such a way that natural, cultural and social functions and processes are not affected),
		2	Low (where the impact affects the environment in such a way that natural, cultural and social functions and processes are slightly affected),
		3	Moderate (where the affected environment is altered but natural, cultural and social functions and processes continue albeit in a modified way),
		4	High (where natural, cultural or social functions or processes are altered to the extent that it will temporarily cease), or
	Reversibility	5	Very high / don't know (where natural, cultural or social functions or processes are altered to the extent that it will permanently cease).
		1	Impact is reversible without any time and cost.
		2	Impact is reversible without incurring significant time and cost.
		3	Impact is reversible only by incurring significant time and cost.
		4	Impact is reversible only by incurring prohibitively high time and cost.
		5	Irreversible Impact

Once the C has been determined the ER is determined in accordance with the standard risk assessment relationship by multiplying the C and the P (refer to). Probability is rated/scored as per Table 2.

**Table 2: Probability Scoring**

Probability	1	Improbable (the possibility of the impact materialising is very low as a result of design, historic experience, or implementation of adequate corrective actions; <25%),
	2	Low probability (there is a possibility that the impact will occur; >25% and <50%),
	3	Medium probability (the impact may occur; >50% and <75%),
	4	High probability (it is most likely that the impact will occur- > 75% probability), or
	5	Definite (the impact will occur),

The result is a qualitative representation of relative ER associated with the impact. ER is therefore calculated as follows:

$$ER = C \times P$$

**Table 3: Determination of Environmental Risk**

Consequence	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5
		1	2	3	4	5
Probability						

The outcome of the environmental risk assessment will result in a range of scores, ranging from 1 through to 25. These ER scores are then grouped into respective classes as described in Table 4.

**Table 4: Significance Classes**

Environmental Risk Score	
Value	Description
< 9	Low (i.e. where this impact is unlikely to be a significant environmental risk),
≥9; <17	Medium (i.e. where the impact could have a significant environmental risk),
≥ 17	High (i.e. where the impact will have a significant environmental risk).

The impact ER will be determined for each impact without relevant management and mitigation measures (pre-mitigation), as well as post implementation of relevant management and mitigation measures (post-mitigation). This allows for a prediction in the degree to which the impact can be managed/mitigated.

#### **Impact Prioritisation:**

Further to the assessment criteria presented above it is necessary to assess each potentially significant impact in terms of:

- Cumulative impacts; and
- The degree to which the impact may cause irreplaceable loss of resources.

In addition, it is important that the public opinion and sentiment regarding the development and consequent potential impacts is considered in the decision-making process. In an effort to ensure that these factors are considered, an impact prioritisation factor (PF) will be applied to each impact ER (post-mitigation). This prioritisation factor does not aim to detract from the risk ratings but rather to focus the attention of the decision-making authority on the higher priority/significance issues and impacts. The PF will be applied to the ER score based on the assumption that relevant suggested management/mitigation measures are implemented.

**Table 5: Criteria for Determining Prioritisation**

Public response (PR)	Low (1)	Issue not raised in public response.
	Medium (2)	Issue has received a meaningful and justifiable public response.



		High (3)	Issue has received an intense meaningful and justifiable public response.
Cumulative Impact (CI)		Low (1)	Considering the potential incremental, interactive, sequential, and synergistic cumulative impacts, it is unlikely that the impact will result in spatial and temporal cumulative change.
		Medium (2)	Considering the potential incremental, interactive, sequential, and synergistic cumulative impacts, it is probable that the impact will result in spatial and temporal cumulative change.
		High (3)	Considering the potential incremental, interactive, sequential, and synergistic cumulative impacts, it is highly probable/definite that the impact will result in spatial and temporal cumulative change.
Irreplaceable loss of resources (LR)		Low (1)	Where the impact is unlikely to result in irreplaceable loss of resources.
		Medium (2)	Where the impact may result in the irreplaceable loss (cannot be replaced or substituted) of resources but the value (services and/or functions) of these resources is limited.
		High (3)	Where the impact may result in the irreplaceable loss of resources of high value (services and/or functions).

The value for the final impact priority is represented as a single consolidated priority, determined as the sum of each individual criteria represented in Table 5. The impact priority is therefore determined as follows:

**Priority = PR + CI + LR**

The result is a priority score which ranges from 3 to 9 and a consequent PF ranging from 1 to 2 (Refer to Table 6).

**Table 6: Determination of Prioritisation Factor**

Priority	Ranking	Prioritisation Factor

3	Low	1
4	Medium	1.17
5	Medium	1.33
6	Medium	1.5
7	Medium	1.67
8	Medium	1.83
9	High	2

In order to determine the final impact significance, the PF is multiplied by the ER of the post mitigation scoring. The ultimate aim of the PF is to be able to increase the post mitigation environmental risk rating by a full ranking class, if all the priority attributes are high (i.e. if an impact comes out with a medium environmental risk after the conventional impact rating, but there is significant cumulative impact potential, significant public response, and significant potential for irreplaceable loss of resources, then the net result would be to upscale the impact to a high significance).

**Table 7: Final Environmental Significance Rating**

Environmental Significance Rating	
Value	Description
$\leq -17$	High negative (i.e. where the impact must have an influence on the decision process to develop in the area).
$> -17 \leq -9$	Medium negative (i.e. where the impact could influence the decision to develop in the area).
$> -9$	Low negative (i.e. where this impact would not have a direct influence on the decision to develop in the area).
0	No impact



	<9	Low positive (i.e. where this impact would not have a direct influence on the decision to develop in the area).
	$\geq 9 < 17$	Medium positive (i.e. where the impact could influence the decision to develop in the area).
	$\geq 17$	High positive (i.e. where the impact must have an influence on the decision process to develop in the area).
<b>Contribution of specialist reports</b> Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.	No specialist studies are proposed. The application is only for remining of the existing TSF and no specialist studies are deemed necessary at this stage. No infrastructure will be developed. Use will be made of existing roads and remined tailings will be taken to existing plant with required stockpile storage area.	
<b>Determination of impact management objectives and outcomes.</b> Describe how impact management objectives will be determined for each activity to address the potential impact at source, and how the impact management outcomes will be aligned with standards.	<p>The objectives of the impact management measures shall be to firstly anticipate and avoid risks and impacts. This shall be accomplished through the adoption of a risk and impact assessment process which aims to identify all relevant environmental and social risks and receptors that are likely to be affected by such risks and impacts, including the issues identified by I&amp;AP's during the consultation process. The impact and risk identification process shall take into consideration each activity and its associated potential impacts. The impact management objectives will be incorporated into and EMPr. The EMPr developed for the project shall include mechanisms whereby social and environmental risk and impacts shall be avoided and mitigated. The objectives of this environmental management framework shall be:</p> <ul style="list-style-type: none"> <li>• To anticipate potential risks and impacts associated with each activity pre-emptively through the implementation of risk assessment techniques and early warning systems such as environmental monitoring and inspections;</li> <li>• To develop and implement preventative measures to ensure known risks and impacts are addressed at source wherever possible (e.g. spill prevention procedures);</li> <li>• To implement detailed management measures to ensure that where avoidance of impacts is not possible, mitigation measures are in place to minimize impacts to workers, affected landowners/occupiers/communities, and the environment; and</li> <li>• To provide a framework for adaptive environmental management within the EMPr whereby impacts from unplanned events or incidents caused by the project may be effectively controlled to minimise impacts to workers, affected landowners/occupiers/communities, and the environment.</li> </ul> <p>The management and mitigation measures shall be developed in accordance with applicable standards and guidelines, which may include, but is not limited to:</p> <ul style="list-style-type: none"> <li>• Legislated Standards;</li> <li>• South African National Standards (SANS) (e.g.: SANS water quality standards);</li> <li>• Where Applicable, International Standards and Guidelines;</li> <li>• Applicable National and Regional Frameworks (e.g.: Bioregional Plans; Spatial Development Frameworks, National Protected Area Expansion Strategy Focus Areas, Environmental Management Frameworks, etc.);</li> </ul>	

	<ul style="list-style-type: none"><li>• Applicable Guidelines developed by authorities (e.g.: DMR guidelines, NEMA EIA guidelines); and</li><li>• Other Applicable guidelines.</li></ul> <p>To ensure that the impact management outcomes can be monitored, and performance evaluated, performance targets and indicators shall be developed where appropriate. Compliance and alignment with the prescribed standards shall be measures against the defined Performance Targets and Indicators through the implementation of a system of inspections and compliance monitoring as defined in the EMP.</p>
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## 8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	Mark with an X where applicable			
	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
<b>SEMA's</b>				
National Environmental Management: Air Quality Act		X		X
National Environmental Management: Biodiversity Act		X		X
National Environmental Management: Integrated Coastal Management Act		X		X
National Environmental Management: Protected Areas Act		X		X
National Environmental Management: Waste Act	X		X	
<b>National legislation</b>				X
Mineral Petroleum Development Resources Act		X		X
National Water Act		X		X
National Heritage Resources Act		X		X
Others: Please specify		X		X

Please provide proof of submission of applications in **Appendix 5**.

In the event that an authorization in terms of the National Environmental Waste Management Act is required for any of the activities applied for please state so clearly in order for such an authorisation to be considered as part of this application.

## 9. DRAFT EMPr

For consultation purposes, provide a high level approach to the management of the potential environmental impacts of each of the activities applied for.

ACTIVITIES	PHASE (of operation in which activity will take place).	SIZE AND SCALE (of Disturbance)	TYPICAL MITIGATION MEASURES	COMPLIANCE WITH STANDARDS
(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, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc...etc...etc.)	State; Planning and design, Pre-Construction, Construction, Operational, Rehabilitation, Closure, Post closure.	(volumes, tonnages and hectares or m <sup>2</sup> )	(Eg, storm water control, dust control, noise control, access control, rehabilitation etc..., etc..., etc...)	(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)
Remining of TSF	Operational phase only – no construction phase	587 185 m <sup>2</sup>	Dust and noise control.  Health and safety	The typical mitigation measures recommended will comply with all

				prescribed environmental management standards and practices.
Remining of TSF	Closure and rehab	587 185 m <sup>2</sup>	Dust and noise control.  Control of alien invasives  Rehabilitation and landscaping	The typical mitigation measures recommended will comply with all prescribed environmental management standards and practices.

## 10. CLOSURE PLAN

<p><b>In the space provided under each heading below, please provide a high level description of the plan for closure and the information that will be provided in the draft EMPr accompanying draft basic assessment report or environmental impact reports going forward.</b></p>	
<p><b>Baseline environment</b> Describe how the baseline environment will be determined with the input of interested and affected parties and due cognizance of the current land uses and or existing biophysical environment</p>	<p>The baseline environment will be assessed in two phases namely:</p> <ul style="list-style-type: none"> <li>Phase 1: Scoping &amp; Sensitivity Mapping; and</li> <li>Phase 2: Environmental Impact Assessment (EIA) and Environmental Management Programme (EMPr)</li> </ul> <p><b>Phase 1: Scoping:</b> This will require a detailed desktop investigation by the EAP to familiarise themselves with the proposed application area and broadly determine the existing status quo of the receiving environment. The EAP will draft the Scoping Report. The Scoping Report will conform to the requirements of the previously mentioned Acts and include the following:</p> <ul style="list-style-type: none"> <li>A description of the receiving environment;</li> <li>Identification and description of anticipated impacts;</li> <li>Identify and describe reasonable land use or development alternatives;</li> <li>A description of the procedure to plan and develop the expansion operation;</li> <li>A description of the process used to engage Interested and Affected parties (I&amp;APs) and other Stakeholders; and</li> <li>A description of further investigations required in the EIA.</li> </ul> <p>Review of the report by I&amp;APs and submission of the Scoping Report to the authorities will conclude Phase 1.</p>

**Phase 2: Environmental Impact Assessment (EIA) and Environmental Management Programme (EMPr):**

During the EIA phase of the project, a more detailed investigation will be undertaken for the likely disturbance footprint. On completion of the EIA level assessments, the EAP will begin compilation of the EMPr. The EIA Report and EMPr will include the following information:

- A detailed description of the receiving environment;
- A description of the Public Participation Process methodology;
- A record of the findings of the Public Participation Process;
- Closure and Rehabilitation Plans;
- A detailed description of the need and desirability of the proposed activity including advantages and disadvantages that the activity will have to the environment and community;
- A description of the methodology used in determining significance of identified impacts;
- A description and comparative assessment of all alternatives identified;
- A summary of the findings and recommendations of any Specialist Studies;
- An impact assessment of activities during all project phases;
- A description of all identified impacts and an assessment of the significance of each impact before and after implementation of proposed mitigation measures;
- A description of assumptions, uncertainties and gaps in knowledge;
- A recommendation as to whether the activity should be authorised and under what conditions;
- An Environmental Impact Statement including key findings;
- A draft Environmental Management Plan; and
- Copies of any and all specialist studies carried out.

Each identified impact will be assessed for significance by investigating and ranking the nature, duration, extent, magnitude and probability of each impact. In addition to this the reversibility and the potential for irreplaceable loss of resources will also be assessed. In accordance with the requirements of the EIA Regulations, a Draft EMPr will also be included as part of the EIA Report.

Following submission of the EIA Report, EMPr and Specialist Studies to the registered I&APs for review and comment, the final submission will be made to the DMR.

**Public Participation Process:**

The Public Participation Process (PPP) will be robust and continue to engage (I&APs throughout all the phases of the project. As a result of the public notifications, a register will be opened and maintained which will record all contact details of persons whom have submitted written comments or responded to the notification and who have requested that they be registered as I&APs. All



	registered I&APs will be informed of the required process of involvement as defined by the EIA Regulations. All objections and representations received from I&APs will be collected and considered in this application. Responses will be prepared and distributed to those I&APs who submitted comments and/or objections. These comments /objections and responses will be recorded in a Public Participation Report (PPR) for inclusion into the Scoping Report and EIA Report respectively. In addition, the registered I&APs will be given an opportunity to comment on all reports prepared to be submitted to the DMR.
<b>Closure objectives</b> Describe the closure objectives and the extent to which they will be aligned to the baseline environment	The EMPr shall include a closure and rehabilitation plan. The plan shall outline the closure objectives which are aimed at re-instating the landform, land use and vegetation units to the same as before the operations took place
<b>Rehabilitation Plan</b> Describe the scale and aerial extent of the prospecting or mining listed activities to be authorised, including the anticipated prospecting or mining area at the time of closure, and confirm that a site rehabilitation plan drawn to a suitable scale will be provided in the draft EMPr to be submitted together with the draft EIR or Basic Assessment Report as the case may be.	It is expected that the area will be fully rehabilitated at closure.
<b>Rehabilitation Cost</b> Describe how the rehabilitation cost will be determined and provide a preliminary estimate thereof	<p>The current quantum and financial provisioning of the mine will be reviewed.</p> <p>The remining and rehabilitation cost will be calculated in detail and will be compared against the mine's calculation to determine the impact of the remining and rehabilitation of the footprint on the mines financial provisioning.</p>
<b>Decommissioning</b> Considering that rehabilitation must take place upon cessation of an activity, describe when each of activities applied for will be rehabilitated in terms of either the cessation of the individual activity or the cessation of the overall prospecting or mining activity.	Decommissioning and rehabilitation will form part of the project description and will be described in detail during the EIA phase. Mitigation measures and recommendations will be provided in the EMPr.

Signed by: Phillip Ramphisa  
Signed at: 2023-10-04 08:36:33 +02:00  
Reason: I approve this document




Signature of the applicant / Signature on behalf of the applicant:

Sibanye Rustenburg Platinum Mines (Pty) Ltd

Name of company (if applicable):

04/10/23

Date:

#### APPENDIX 4 DECLARATION OF THE EAP

I, San Oosthuizen, declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties ~~and the public~~ and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.

**Disclosure of Vested Interest (delete whichever is not applicable)**

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

\_\_\_\_\_  
 Signature of the environmental assessment practitioner:

Eco Partners (Pty) Ltd

\_\_\_\_\_  
 Name of company:

\_\_\_\_\_  
 Date:

**APPENDIX 1**  
**CURRICULUM VITAE OF EAP**

# SAN OOSTHUIZEN



SCAN CODE OR VISIT LINK:

[www.linkedin.com/in/San-Oosthuizen](http://www.linkedin.com/in/San-Oosthuizen)



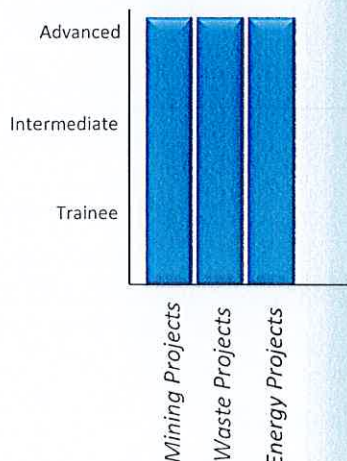
+27 11 431 2251

+27 72 391 4679



[san@ecopartners.co.za](mailto:san@ecopartners.co.za)

## PROJECT EXPERIENCE



## PROFESSIONAL SKILLS

- » Presentation/Training
- » Interpersonal Skills
- » Emotional Intelligence
- » Management/Leadership
- » Flexibility
- » Strong Work Values

## PROFILE

San has 22 years' experience in the environmental field. She has experience in the Mining, Petro-chemical, Land development, Consulting, and Engineering fields. San's strong points are consulting, research, implementation of standards, report writing, auditing and impact assessments. Prior to joining EcoPartners, San was a Technical Director at Marula Consulting.

## EDUCATION

<b>MSc ZOOLOGY</b>	<i>Rand Afrikaans University (1992)</i>
<b>BSc (HONS) ZOOLOGY</b>	<i>Rand Afrikaans University (1989)</i>
<b>BSc Nat Sci ZOOLOGY &amp; BOTANY</b>	<i>Rand Afrikaans University (1988)</i>

## WORK EXPERIENCE

2009 – Present	<b>ECOPARTNERS</b> Senior Environmental Consultant
2008 – 2009	<b>LONMIN PLATINUM MINE</b> Environmental Manager
2007 – 2008	<b>LONMIN PLATINUM MINE</b> Environmental Specialist
2003 – 2008	<b>MARULA CONSULTING</b> Director
2003 – 2008	<b>ENVIRONMENTAL SCIENCE ASSOCIATES</b> Environmental Assistant
1993 – 2002	<b>SOUTH AFRICAN NATIONAL DEFENCE FORCE</b> Staff Officer: Specialist Environmental Services

## AREAS OF EXPERTISE

- Environmental Policies
- Environmental Impact Assessment
- Environmental Principles
- Environmental Management Programme Reports
- Environmental Risk Assessments
- Quantum Calculations
- Environmental Law
- Environmental Auditing
- Incident Reporting
- Trend/ Root Cause Analysis





## TRAINING CONDUCTED

- Development and presentation of environmental awareness courses e.g. EMS Implementation, Incident Reporting and Environmental Law.

## PROJECT ENHANCEMENT SKILLS

Project Management

Data Interpretation

Pollution Prevention

Trend Analysis

Waste Management

Google Earth | BGIS | AGIS

Analytical Aptitude

Risk Management

## PROFESSIONAL AFFILIATIONS

Pr.Sci. Nat. Registered with  
SACNASP

## TRAINING COURSES/ CERTIFICATIONS

- » Conduct Outcomes Based Assessment [US 115753]
- » Conducting and Reporting an Independent EIA Process
- » Facilitate Learning using a variety of given methodologies [US117871]
- » Cleaner Production Toolkit Training (NCPC)
- » ISO 14001: 2004 Bridging Course (SABS)
- » Environmental Audit (North West University)
- » Introduction to Environmental Management Systems [ISO 14001] North West University
- » Environmental Law (North West University)
- » ISO Introduction to ReGIS (Infoplan)
- » Highveld Trees & Shrubs Identification

## INTERNATIONAL EXPOSURE



USA | Phillipines | Germany |  
Australia | South Africa

## EXPERIENCE SUMMARY

- » Environmental Assessment Practitioner
- » Report writing
- » Impact assessments
- » Team/ specialist management
- » Reviewing of reports
- » Quantum calculations
- » Compilation of presentations for public participation
- » Liaison with government departments
- » Environmental research on numerous aspects pertaining to projects
- » ISO 14001 development, implementation and maintenance
- » Determine and advise on statutory compliance requirements
- » Design of systems and processes to manage environmental compliance
- » Provide operational units with technical guidance, support and coaching
- » Consulting service to the operational staff related to environmental impact assessment requirements
- » Analyse and interpret data and information
- » Review, design/develop and initiate the implementation of environmental standards, guidelines, policies and procedures
- » Scoping and Environmental Impact Assessments
- » Review and update of Environmental Management Programme Reports
- » Assist with compilation of ISO 14001 EMS procedures and legal registers
- » Assist with development environmental awareness training modules
- » ISO 14001 internal audits





**herewith certifies that**  
**Johanna Susanna Oosthuizen**

Registration Number: 115820

**is a registered scientist**

in terms of section 20(3) of the Natural Scientific Professions Act, 2003  
(Act 27 of 2003)

in the following field(s) of practice (Schedule 1 of the Act)

Environmental Science (Professional Natural Scientist)

Effective 20 July 2016

Expires 31 March 2024



Chairperson

Chief Executive Officer







**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: 2021/2022**  
**San Oosthuizen Membership Number: 6698**

29 Mar 2021

**TO WHOM IT MAY CONCERN**

Ms San Oosthuizen, Independent (IAIAsa membership Number **6698**) is a paid-up Full Member in good standing of International Association for Impact Assessment, South Africa and has been a member of IAIAsa since 26 Mar 2021.

Membership has been continuous from 26 Mar 2021 to date.

This membership is valid from 01 Mar 2021 to 28 Feb 2022.

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.

IAIAsa is an Affiliate of IAIA which is an international body through a memorandum of understanding. IAIA is not responsible or liable for the actions or activities of the Affiliates. Membership of one does not imply membership of the other.

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

Yours sincerely

Abulele Adams  
President 2020/2021

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President: A. Adams, Past President: S. Nkosi, President Elect: R. Mbokodi, Treasurer: T. Bokwe, Secretary: M. Sham. Members: F. Fortune, D. Neumann, P. Sithole. Branch Chairs: M. Groenink, S. Nkomonde, R. Mbokodi, P. Radford, C. Roos.



**Environmental Assessment  
Practitioners Association  
of South Africa**



Registration No. 2021/4053

***Herewith certifies that***

**San Oosthuizen**

***is registered as an***

**Environmental Assessment Practitioner**

*Registered in accordance with the prescribed criteria of Regulation 15. (1)  
of the Section 24H Registration Authority Regulations  
(Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the  
National Environmental Management Act (NEMA), Act No. 107 of 1998, as  
amended).*

Effective: 01 March 2023

Expires: 29 February 2024

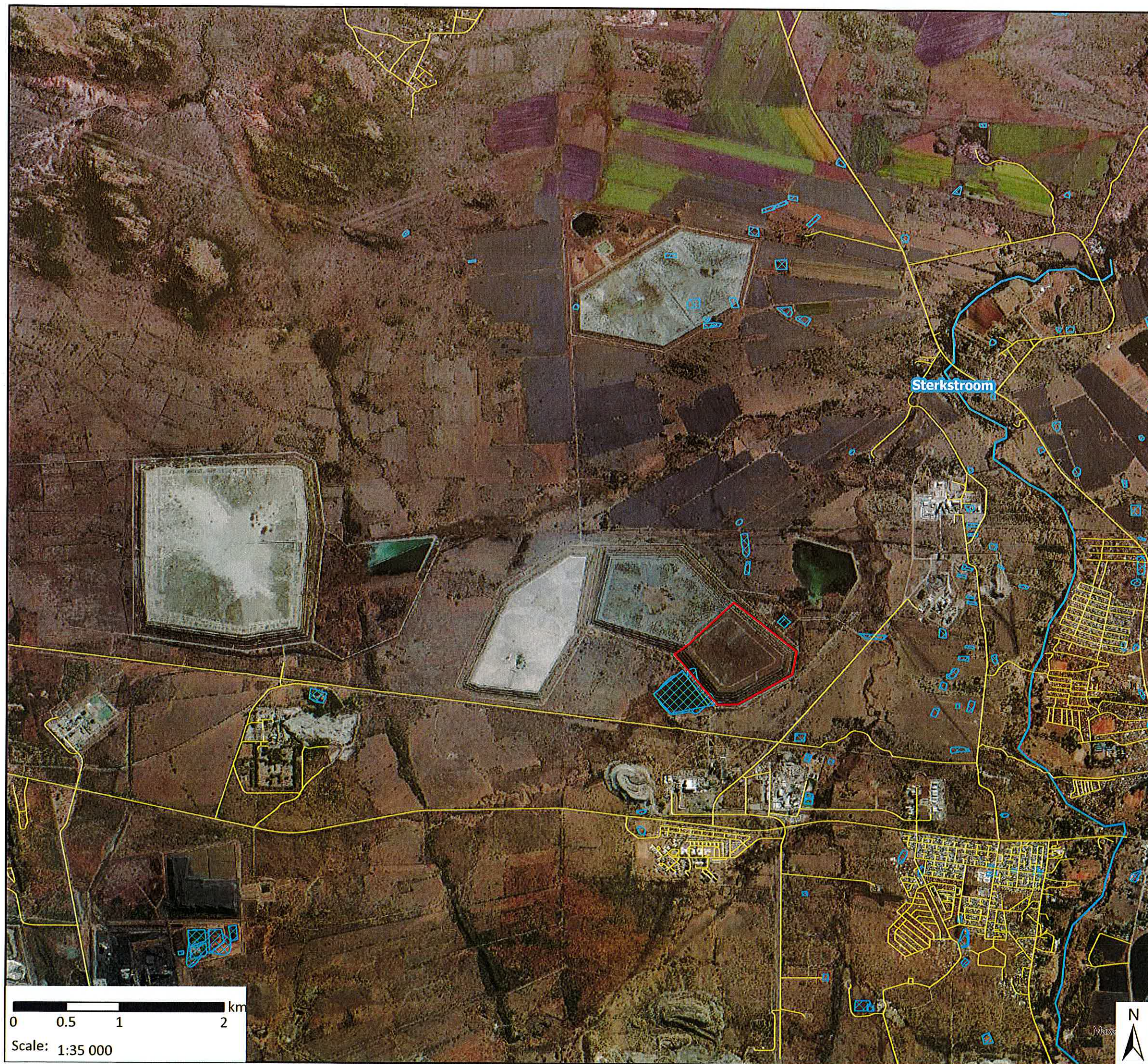
Chairperson

Registrar



**APPENDIX 2**  
**LOCALITY MAP**



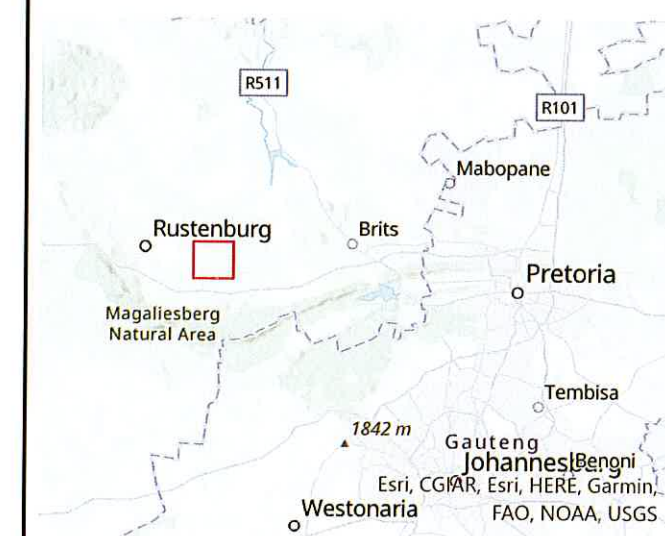


## Locality Map

1578 EcoPartners Sibanye KTD1 Remining EIA

### Legend

- Proposed KTD1 Remining
- Roads
- Rivers
- NFEPA Wetlands



### Data Sources:

CSG; ESRI  
 Coord System: GCS WGS 1984  
 Datum: WGS 1984  
 Units: Degree  
 Ref: 1578\_Locality Map

Date: 2023/06/07

EIMS Ref:  
 Compiled: QM  
 Reviewed: SK  
 Approved: LW



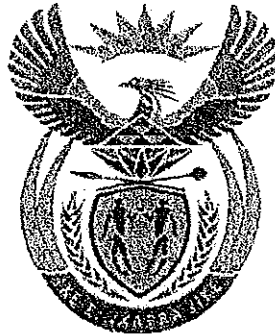


**APPENDIX 3**  
**ENVIRONMENTAL AUTHORISATION / MINING RIGHT**

1 SCWPL 458

ML 8/95

DME 388



**DEPARTMENT: MINERALS AND ENERGY**  
**REPUBLIC OF SOUTH AFRICA**

**CONVERTED MINING RIGHT**

Converted in terms of Item 7 of Schedule II of the Mineral and Petroleum Resources Development Act,  
2002 (Act No. 28 of 2002)



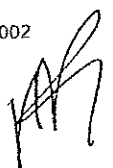
Minerals and Energy for Development and Prosperity  
Converted Mining Right:: Converted in terms of Item 7 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002

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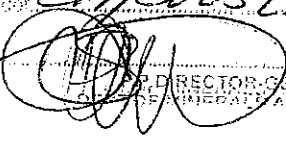
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Amendment, Variation and Abandonment	4
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Restrictions and Obligations Imposed on the Holder	7
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G. L.  
  
  


Registered in the MINERAL & PETROLEUM TITLES  
REGISTRATION OFFICE PRETORIA

Registered of Mining Rights  
on the 19 day of April 2008  
Under 29/2005 (MR)

  
DIRECTOR-GENERAL  
MINERAL AND PETROLEUM TITLES

Protocol No 1701 /2007

File No

NW30/5/1/2/2/106 MR

Application No

J/2004/12/14/004

**LET IT HEREBY BE MADE KNOWN:**

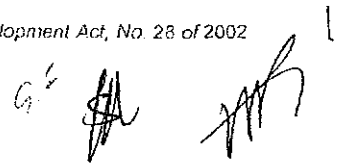
THAT on this **4th** day of **September** in the year **2007**, before me, **Michael Otto Dale**, a Notary Public, duly sworn and admitted, residing and practising at **Sandton**, in the **Gauteng** Province of South Africa, and in the presence of the subscribing competent witnesses, personally came and appeared:

**Ikobeng Godfrey Mfetoane**, Acting Regional Manager, **North West** Region of the Department of Minerals and Energy, and as such in his / her capacity as the duly authorised representative of:

**THE MINISTER OF MINERALS AND ENERGY**

The said Regional Manager, being duly authorised thereto under and by virtue of a Power of Attorney granted by the **DIRECTOR-GENERAL : MINERAL REGULATION** of the Department of Minerals and Energy on the 11 day of **September** in the year 2006 in terms of the powers delegated by the Minister on the 12<sup>th</sup> day of May 2004 in terms of section 103 (1) of the Act.

*Converted Mining Right: Converted in terms of item 7 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002*



AND

Mandla Phindile Tobela in his capacity as the Legal Advisor and as such, the duly authorised representative of Western Platinum Limited, Registration number:

1	9	6	3	/	0	0	3	5	8	9	/	0	6
---	---	---	---	---	---	---	---	---	---	---	---	---	---

Hereinafter together with his successors in title and assigns referred to as "the Holder", he, the said representative, being duly authorized thereto under and by virtue of a deed of substitution granted to him by Peter McElligott in his capacity as Company Secretary on the 22nd day of August 2007, he being duly authorized thereto under and by virtue of a power of attorney granted to him by Alistair Gavin Ross in his capacity as director of the Holder on the 12th day of February 2007, he being duly authorized by virtue of a resolution of Directors of the Holder passed at Bryanston on the 12th day of February 2007, which deed of substitution, powers of attorney and a certified copy of which resolution have this day been exhibited to me, the notary, and remain filed of record in my protocol with the minutes hereof.

AND THE MINISTER AND HOLDER DECLARED THAT:

**WHEREAS** The State is the custodian of the Nation's mineral and petroleum resources in terms of section 3 of the Act.

**AND WHEREAS** The Holder has applied for conversion of an old order mining right in terms of Item 7 of Schedule 2 to the Act,

**AND WHEREAS** The **DIRECTOR-GENERAL : MINERAL REGULATION** of the Department of Minerals and Energy has by virtue of powers delegated to him, converted the Holder's old order, mining right in terms of Item 7 of the Schedule to the Act.

**NOW THEREFORE THE MINISTER CONVERTS THE HOLDER'S OLD ORDER MINING RIGHT SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:**

## Definitions

In this mining right, the following words and expressions shall have the following meanings:

**'Act'** means the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) and includes the Regulations, guidelines, circulars, directives and orders made in terms of that Act;

**'Environmental Management Programme'** is as defined in the Act and includes any other Environmental Management Programme approved in terms of the previous mining legislation;

**'Financial year'** means a complete financial year of the Holder which, at the time of the granting of this mining right, commences on the 1st day of October in the year 2006 and ends on the 30th day of September in the year 2007;

**'Holder'** is as defined in the Act, and specifically in relation to this right, it means Western Platinum Limited, Registration No/Identification No 196300358906;

**'Mineral'** is as defined in the Act, and specifically in relation to this right means Platinum Group Metals;

**'Mining Area'** is as defined in the Act and includes any additional area of environmental liability as may be reflected on the Environmental Management Programme relating to this right;

**'Mining Right'** is as defined in the Act and includes all the Annexures to it, agreements and inclusions by reference;

**'Mining Work Programme'** is as defined in the Act and as reflected in the attached Annexure A to this mining right;

**'Minister'** means the Minister of Minerals and Energy and includes the successors in title, the assignee or any person duly authorised to act in the Minister's place and stead;

**'Old order mining right'** is as defined in the Schedule to the Act.

**'Regional Manager'** is as defined in the Act and specifically in relation to this right means the Regional Manager for the North West Region of the Department of Minerals and Energy;

**'Social and Labour Plan'**, is as contemplated in regulation 46 of the Regulations to the Act and is as reflected in the attached Annexure B to this mining right; and

Handwritten signatures and initials are present at the bottom right of the page, including a signature that appears to be "G.1" and several other initials.

# 1. Description of the Mining Area

The Mining Area shall comprise the following:

Certain: Various portions of the farms Kafferskraal 342, Elandsdrift 467, Zwartkoppies 296, Rooikoppies 297 and Middelkraal 466 JQ

Situated: Rustenburg Magisterial/Administrative District of North West

Measuring: 10167,7949 hectares in extent.

Which Mining Area is described in detail on the attached Diagram/plan marked Annexure C.

# 2. Conversion of Old Order Mining Right

Without detracting from the provisions of Item 7 of the schedule to the Act, sections 5 and 25 of the Act, the Minister converts the holder's old order right and grants to the Holder the sole and exclusive right to mine, and recover the mineral/s in, on and under the mining area for the Holder's own benefit and account, and to deal with, remove and sell or otherwise dispose of the mineral/s, subject to the terms and conditions of this mining right, the provisions of the Act and any other relevant law in force for the duration of this right.

# 3. Commencement, Duration and Renewal

3.1. This mining right shall commence on **4 September 2007** and, unless cancelled or suspended in terms of clause 13 of this right and or section 47 of the Act, will continue to be in force for a period of **thirty** years ending on **3 September 2037**.

3.2. The Holder must continue to conduct mining operations failing which this right may be cancelled or suspended.

3.3. Any application for renewal must be submitted to the Regional Manger not later than 60 working days prior to the date of expiry of this right.

# 4. Amendments, Variation and Abandonment

4.1. The terms of this right (including by extension of the area covered by it or by the addition of minerals or a share or shares or seams, mineralized bodies, or strata, which are not at the time the subject thereof) may not be amended or varied without the written consent of the Minister.

4.2. The Holder shall be entitled to abandon or relinquish the right or the area covered by the right entirely or in part. Upon abandonment or relinquishment of the mining area or any portion thereof, the Holder must:

Converted Mining Right: Converted in terms of item 7 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002

Converted Mining Right: Converted in terms of item 7 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002

*[Handwritten signatures and initials]*

- 4.2.1. Furnish the Regional Manager with all prospecting and /or mining results and/or information, as well as the general evaluation of the geological, geophysical and borehole data in respect of such abandoned area in so far as it applies to the mineral or any other mineral/s obtained in respect of this right and,
- 4.2.2. Apply for a closure certificate in terms of section 43 (3) of the Act.
- 4.3 With effect from the date the Holder has abandoned or relinquished a portion or portions of the mining area, and subject to section 43 of the Act, the Minister is entitled to grant any right, permit, or permission referred to in the Act in, on, or under the portion/s, so abandoned or relinquished, to any person/s.

**5. Payment of Royalties and other Monies**

- 5.1. The Holder shall as contemplated in section 25 (2) (g) pay to the State throughout the duration of this mining right, any royalties payable in terms of any Act or Amendment to an Act of Parliament implemented.
- 5.2. If, prior to the commencement of the Act, the Holder of this right paid any royalties, levies, fees, or consideration to the state, the Holder shall continue to pay same applicable to such old order mining right until such time a relevant Act of parliament is implemented.

**6. Payment of Interest**

If mining fees, any fees, any levy, royalties or consideration referred to in clause 5 are not paid punctually, the Holder shall be in mora and shall pay interest thereon at the rate prescribed in terms of section 80 of the Public Finance Management Act, 1999(Act 1 of 1999) reckoned from the date on which payment is due and payable, to the date of actual payment.

**7. Restrictions and Obligations Imposed on the Holder**

- 7.1 The Holder is entitled to the rights referred to in section 5(2), (3) and section 25 of the Act, and such other rights as may be contained in this mining right or such other right as may be granted to, acquired by or conferred upon the Holder by any other applicable law.
- 7.2 Mining operations in the mining area must be conducted in accordance with the Mining Work Programme and any amendment to such Mining Work Programme and an approved Environmental Management Plan.
- 7.3 The Holder shall not trespass or enter into any homestead, house or its curtilage nor interfere with or prejudice the interests of the occupiers and/or owners of the surface of the Mining Area except to the extent to which such interference or prejudice is necessary for the purposes of enabling the Holder to properly exercise the Holder's rights under this mining right.

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**8. Conditions on disposal of Minerals and/ or Products Derived from Mining**

It is a condition of the conversion of this old order mining right that the Holder shall dispose of all minerals and/ or products derived from the exploitation of the mineral at competitive market prices which shall mean in all cases, non-discriminatory prices or non-export parity prices. If the minerals are sold to any entity, which is an affiliate or non-affiliated agent or subsidiary of the Holder, or is directly or indirectly controlled by the Holder, such purchaser must unconditionally undertake in writing to dispose of the minerals and any products produced from the minerals, at competitive market prices.

**9. Mortgage, Cession, Transfer, and Alienation**

This mining right, a shareholding, an equity, an interest or participation in the right or joint venture, or a controlling interest in a company, close corporation or joint venture, may not be encumbered, ceded, transferred, mortgaged, let, sublet, assigned, alienated or otherwise disposed of without the written consent of the Minister, except in the case of a change of controlling interest in listed companies.

**10. Protection of Boreholes, Shafts, Adits and Openings.**

All boreholes, shafts, Adits, excavations, and openings sunk or made, by the Holder during the currency of this mining right shall be sealed, closed, fenced, made safe by the Holder in accordance with the approved Environmental Management Programme, the Mine Health and Safety Act, 1996 or any other applicable laws and Regulations.

**11. Holder's Liability for payment of Compensation for Loss or Damage**

- 11.1. Subject to section 43 of the Act, the Holder shall, during the tenure of this right while carrying out the mining operations under this right, take all such necessary and reasonable steps to adequately safeguard and protect the environment, the mining area and any person/s using or entitled to use the surface of the mining area from any possible damage or injury associated with any activities on the mining area.
- 11.2. Should holder fail to take reasonable steps referred to above, and to the extent that there is legal liability, the holder shall compensate such person or persons for any damage or losses, including but not limited to damage to the surface, to any crops or improvements, which such person or persons may suffer as a result of, arising from or in connection with the exercise of his/her rights under this mining right or of any act or omission in connection therewith.

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## 12. Inspection of Mining Area

The Minister and/or any person duly authorised thereto in writing by the Minister shall be entitled to inspect the mining area, the Holder's mining operations and the execution of the approved Environmental Management Programme on the Mining Area as provided for in the Act, and any instruction conveyed in writing by the Minister to the Holder requiring the proper performance by the Holder of the Holder's obligations under this mining right shall be put into effect by the Holder in terms of the Act.

## 13. Cancellation or Suspension

13.1 Subject to section 47 of the Act, this mining right may be cancelled or suspended if the Holder:

- 13.1.1 Submits inaccurate, incorrect and or misleading information in connection with any matter required to be submitted under the Act;
- 13.1.2 Fails to honour or carry out any agreement, arrangement, or undertaking, including the undertaking made by the Holder in terms of the Broad Based Socio Economic Empowerment Charter and Social and Labour plan, on which the Minister relied for the conversion of this right;
- 13.1.3 Breaches any material term and condition of this mining right;
- 13.1.4 Conducts mining operations in contravention of the provisions of the Act;
- 13.1.5 Contravenes the requirement of the approved Environmental Management Programme; or
- 13.1.6 Contravenes any provisions of this Act in any other manner.

13.2 Before the Minister cancels or suspends this right, the Minister shall:


- 13.2.1 Give written notice to the Holder indicating the intention to suspend or cancel this right;
  - 13.2.2 Give reason/s why the Minister is considering the suspension or cancellation of this right;
  - 13.2.3 Give the Holder 30 days to show reasons why the right should not be suspended or cancelled;
  - 13.2.4 Notify the mortgagee (if any), of the intention to suspend or cancel this right; and
  - 13.2.5 Direct the Holder, where it is possible to remedy any contravention, breach or failure, to comply or to take such specified measures to remedy any contravention, breach or failure to comply.
- 13.3 If the Holder does not take the measures as specified by the Minister to remedy a contravention, breach or failure, the Minister may cancel or suspend this right after considering representations made by the Holder in terms of clause 13.2.3.

## 14. Records and Returns

- 14.1 The Holder shall maintain all such books, plans and records in regard to mining on the Mining Area as may be required by the Act and shall furnish to the office of the Regional Manager such reports and documents as may be relevant under this right.

*Converted Mining Right:: Converted in terms of item 7 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002*

*Converted Mining Right:: Converted in terms of item 7 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002*

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 *Handwritten signature* *Handwritten signature*



14.2. The Holder shall furnish to the Regional Manager all such monthly returns contemplated in section 28 (2) A of the Act not later than the 15<sup>th</sup> day of the month following the month in respect of which it was reported.

14.3 The Holder shall furthermore at the end of each year following commencement of this mining right, inform the Regional Manager in writing of any new developments and of the future mining activities planned in connection with the exploitation/mining of the minerals on the Mining Area.

**15. Minister's liability for Payment of Compensation**

The Minister shall not at any time be liable or responsible for the payment of compensation of whatever nature to the Holder, the Holder's successors-in-title or assignee, or any person whomsoever as a result of the conversion of this right.

**16. Compliance with the Laws of the Republic of South Africa**

The conversion of this Right, does not exempt the Holder and its successors in title and/or assigns from complying with the relevant provisions of the Mine Health and Safety Act, (Act No.29 of 1996) and any other law in force in the Republic of South Africa.

**17. Provisions relating to section 2(d) and (f) of the Act**

In the furthering of the objects of this Act, the Holder is bound by the provisions of an agreement or arrangement dated 6th September 2004 entered into between the Holder and Incwala Platinum (Proprietary) Limited which agreement or arrangement falls to be read with annexure D hereto and was taken into consideration for purposes of compliance with the requirements of the Act and or Broad Based Economic Empowerment Charter developed in terms of the Act and such agreement shall form part of this right.

**18. Social and Labour Plan**

18.1 The holder must annually, not later than three months before the end of its financial year, submit a detailed implementation plan to give effect to Regulation 46(e) (i), (ii) and (iii) in line with the Social and Labour Plan.

18.2 The holder must annually, not later than three months after finalisation of its audited annual report, submit a detailed report on the implementation of the previous year's social and labour plan.

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19. **Severability**

Notwithstanding anything to the contrary, any provision of this mining right which is contrary to any provision of the Act or which is otherwise ultra vires, null and void, voidable, or unenforceable, shall be severable from the rest of this right, such rest thus being and remaining of full force, effect and enforceable.

20. **Domicilia citandi et executandi**

20.1. The parties hereto choose the following addresses as their *domicilia citandi et executandi* and for all purposes arising from this mining right, in particular for the purposes of serving of any notice in terms of this mining right, and any notice properly addressed to the under mentioned postal addresses of the parties shall be deemed to have been received by the addressee within 14 days if given in writing and posted by prepaid registered post addressed to the addressee at the relevant postal address:

20.1.1. In the case of the Minister

Physical Address	Postal Address
No. 1 Charel de Klerk Street Senwes Building KLERKSDORP Code 2570 Tel (018) 4641631 Fax (018) 462 9036	Private Bag AI  2570

20.1.2. In the case of the Holder.

Physical Address	Postal Address
Northdowns Office Park 17 Georgian Crescent BRYANSTON Code 2152 Tel (011) 516 1343 Fax (011) 516 1442	P.O BOX 98811 Sloane Park BRYANSTON 2152

20.2. Notwithstanding anything to the contrary herein contained, a written notice or communication actually received by a party at any place other than the chosen *domicilia citandi et executandi* shall constitute adequate notice or

Converted Mining Right: Converted in terms of item 7 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002

Converted Mining Right: Converted in terms of item 7 of the Mineral and Petroleum Resources Development Act, No. 28 of 2002

*[Handwritten signatures and initials]*

communication to the party notwithstanding that it was not sent to or delivered at such party's chosen *domicilium citandi et executandi*.

20.3 Either party shall be entitled from time to time to change the *domicilia citandi et executandi* or postal address furnished above after giving at least 14 days prior written notice of such change to the other party, failing which the above mentioned addresses will remain in force.



20.4 Any written notice or communication contemplated in this clause which is forwarded by one party to the other by registered post will be presumed to have been received by the addressee on the fourteenth day following the date of posting from an address within the Republic of South Africa to the addressee at the postal address of the addressee for the time being as determined in accordance with the provisions of this clause.

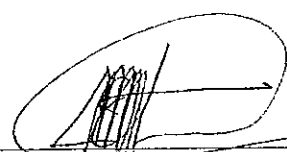
## 21. Costs

The Holder shall pay all costs and charges incurred in connection with the execution and registration of this prospecting right.

Thus done and signed at Klerksdorp on the 4th day of September in the year 2007 in the presence of the undersigned witnesses:

AS WITNESS:

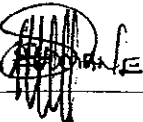
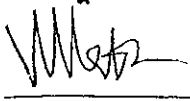
  


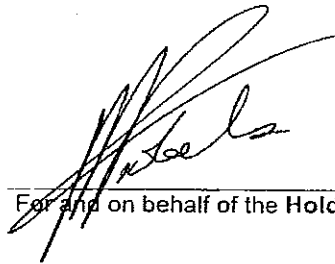
  
 For and on behalf of the Minister




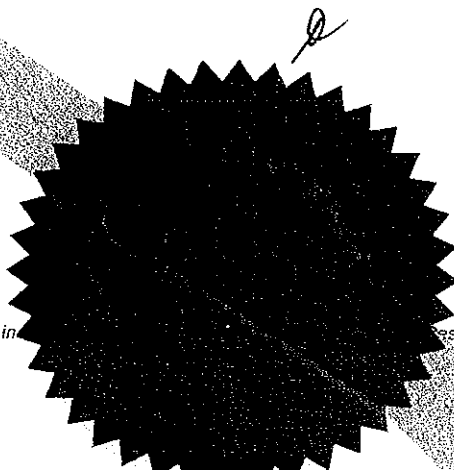


AS WITNESS:

  
\_\_\_\_\_  
  
\_\_\_\_\_

  
\_\_\_\_\_  
For and on behalf of the Holder

  
\_\_\_\_\_  
Notary Public



**APPENDIX 5****PROOF OF APPLICATION SUBMISSION**

This application forms the only application at this time.

**APPENDIX 6**  
**PROOF OF PAYMENT**





## NOTIFICATION OF PAYMENT

To Whom It May Concern:

First National Bank hereby confirms that the following payment instruction has been received:

---

Date Actioned	: 2023/10/13
Time Actioned	: 08:34:59
Trace ID	: 9QW32Z9K

### Payer Details

Payment From	: *Environmental Impact M Mnt Serv (pty)
Curr/Amount	: 10,000.00

### Payee Details

Recipient/Account No	: . . 160572
Name	: Department of Minera
Bank	: ABSA BANK LIMITED
Branch Code	: 632005
Reference	: NW/30/5/1/2/3/2/2/106 EM

END OF NOTIFICATION

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To authenticate this Payment Notification, please visit the First National Bank website at [fnb.co.za](https://fnb.co.za), select the "Verify Payments" link and follow the on-screen instructions.

Our customer (the payer) has requested First National Bank Limited to send this notification of payment to you. Should you have any queries regarding the contents of this notice, please contact the payer. First National Bank Limited does not guarantee or warrant the accuracy and integrity of the information and data transmitted electronically and we accept no liability whatsoever for any loss, expense, claim or damage, whether direct, indirect or consequential, arising from the transmission of the information and data.

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**APPENDIX 7**  
**SCREENING REPROT AND SITE SENSITIVITY VERIFICATION**

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS  
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE  
ENVIRONMENTAL SENSITIVITY**

**EIA Reference number:**

**Project name:** KDT1 Remining EIA

**Project title:** KDT1 Remining EIA

**Date screening report generated:** 12/07/2023 12:05:31

**Applicant:** Sibanye

**Compiler:** John von Mayer

**Compiler signature:**



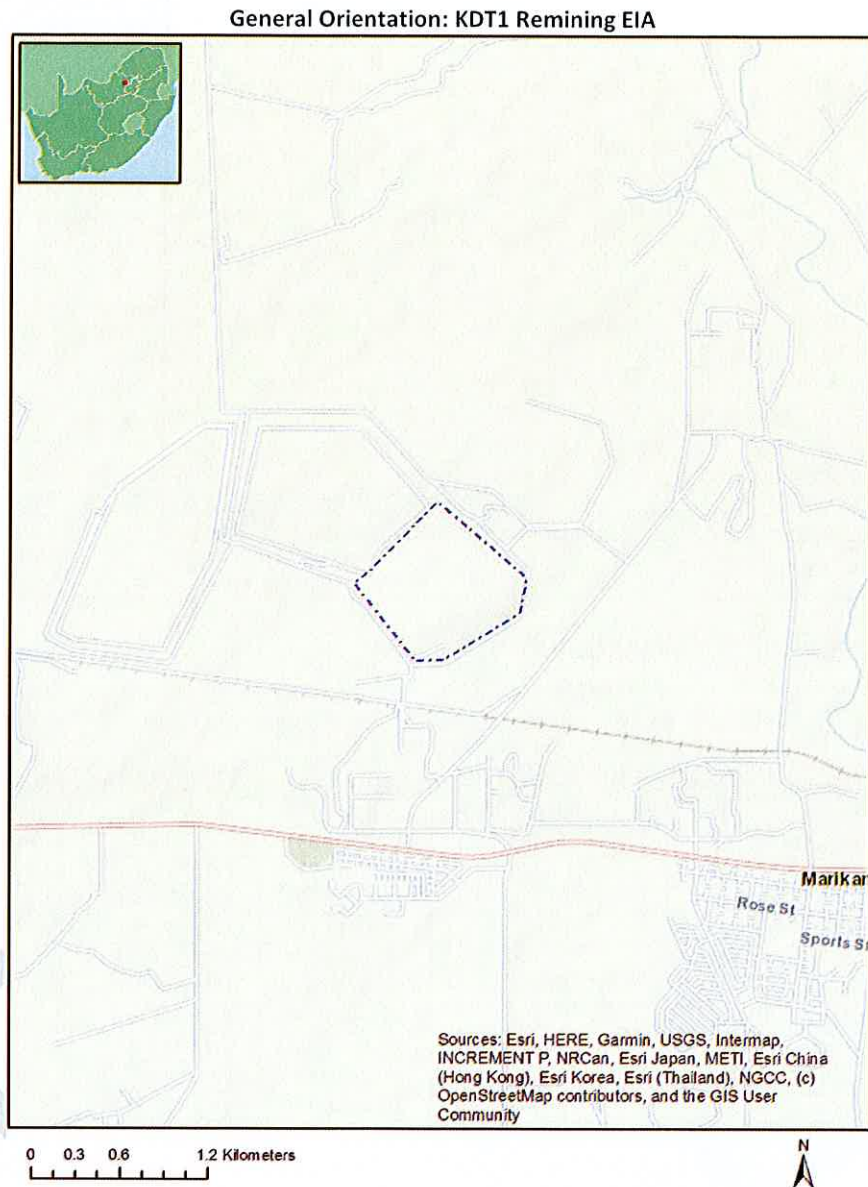
**Application Category:** Mining|Beneficiation|Mineral

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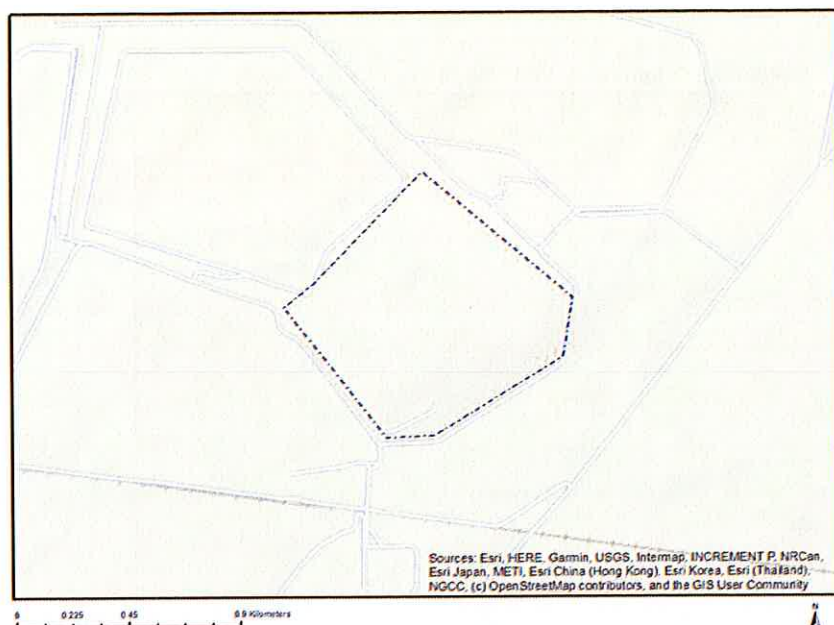
## Proposed Project Location

### Orientation map 1: General location





## Map of proposed site and relevant area(s)



## Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	ROOIKOPPIES	297	0	25°41'46.71S	27°28'19.52E	Farm
2	ROOIKOPPIES	297	189	25°40'34.98S	27°27'7.81E	Farm Portion
3	ROOIKOPPIES	297	228	25°40'42.74S	27°27'17.51E	Farm Portion
4	ROOIKOPPIES	297	135	25°41'11.25S	27°27'26.76E	Farm Portion
5	ROOIKOPPIES	297	224	25°40'54.19S	27°26'49.04E	Farm Portion
6	ROOIKOPPIES	297	116	25°41'12.77S	27°27'43.67E	Farm Portion
7	ROOIKOPPIES	297	123	25°40'55.91S	27°27'35.76E	Farm Portion
8	ROOIKOPPIES	297	227	25°40'47.69S	27°27'24.42E	Farm Portion
9	ROOIKOPPIES	297	223	25°41'12.08S	27°27'8.15E	Farm Portion
10	ROOIKOPPIES	297	226	25°41'1.12S	27°27'9.8E	Farm Portion
11	ROOIKOPPIES	297	225	25°40'49.11S	27°27'7.81E	Farm Portion

Development footprint<sup>1</sup> vertices:  
No development footprint(s) specified.

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

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

No nearby wind or solar developments found.

## Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

## Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

**Mining | Beneficiation | Mineral.**

### Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incentive, restriction or prohibition	Implication
Air Quality-Waterberg-Bojanala Priority Area	<a href="https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/gg39489_nn1207a.pdf">https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/gg39489_nn1207a.pdf</a>
Strategic Gas Pipeline Corridors-Phase 3: Richards Bay to Gauteng	<a href="https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf">https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf</a>

### Proposed Development Area Environmental Sensitivity

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

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme			X	
Animal Species Theme			X	
Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme				X
Defence Theme				X
Paleontology Theme			X	
Plant Species Theme				X
Terrestrial Biodiversity Theme	X			



### Specialist assessments identified

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

No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf</a>
2	Archaeological and Cultural Heritage Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
3	Palaeontology Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
4	Terrestrial Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf</a>
5	Aquatic Biodiversity Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf</a>
6	Hydrology Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
7	Noise Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf</a>
8	Traffic Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
9	Geotechnical Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
10	Climate Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
11	Health Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
12	Socio-Economic Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
13	Ambient Air Quality Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
14	Air Quality Impact Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>

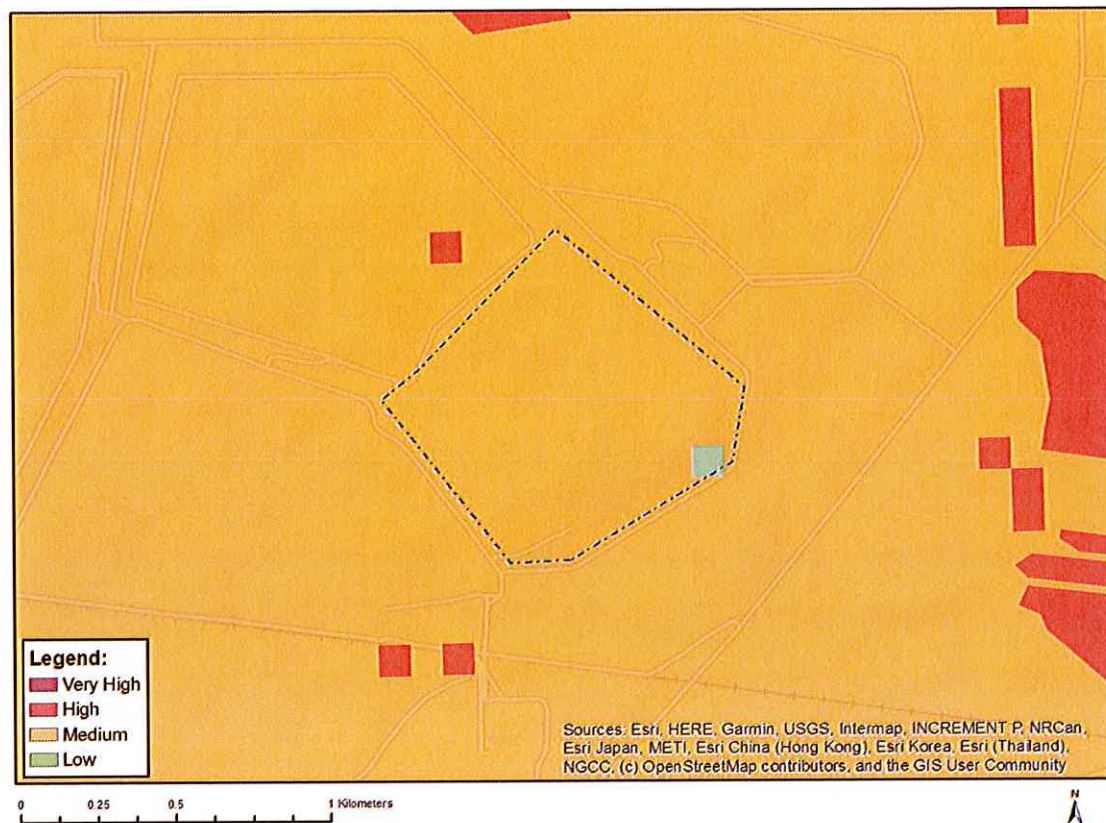
		<a href="#">ssmentProtocols/Gazetted General Requirement Assessment Protocols.pdf</a>
15	Plant Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf</a>
16	Animal Species Assessment	<a href="https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf">https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf</a>



## Results of the environmental sensitivity of the proposed area.

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

### MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

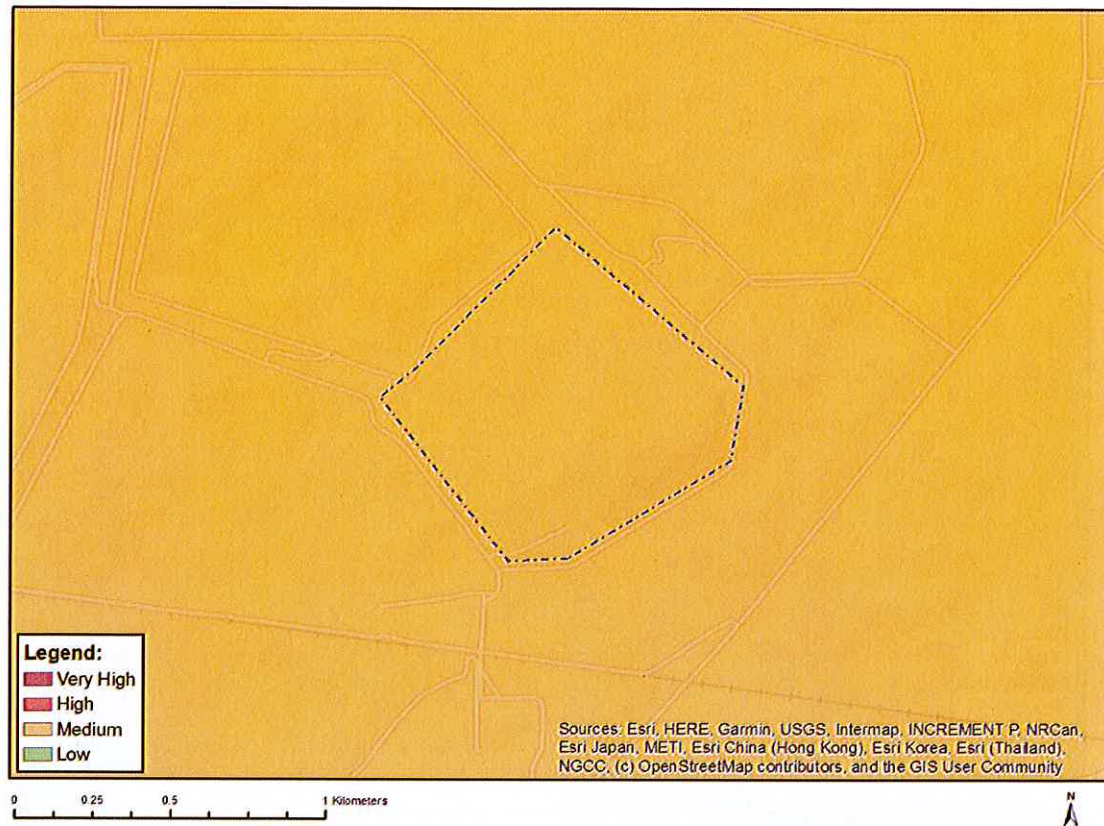


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

#### Sensitivity Features:

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

## MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



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

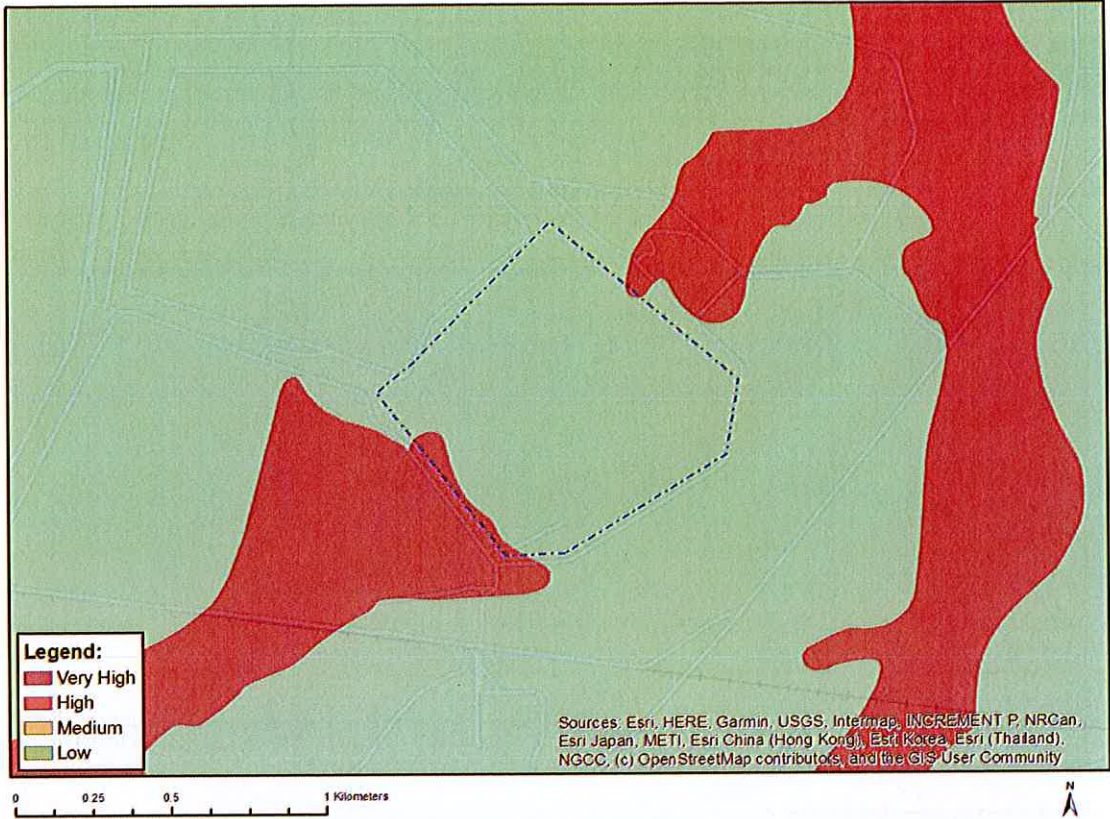
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

### Sensitivity Features:

Sensitivity	Feature(s)
Medium	Aves-Sagittarius serpentarius
Medium	Mammalia-Crocidura maquassiensis



MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

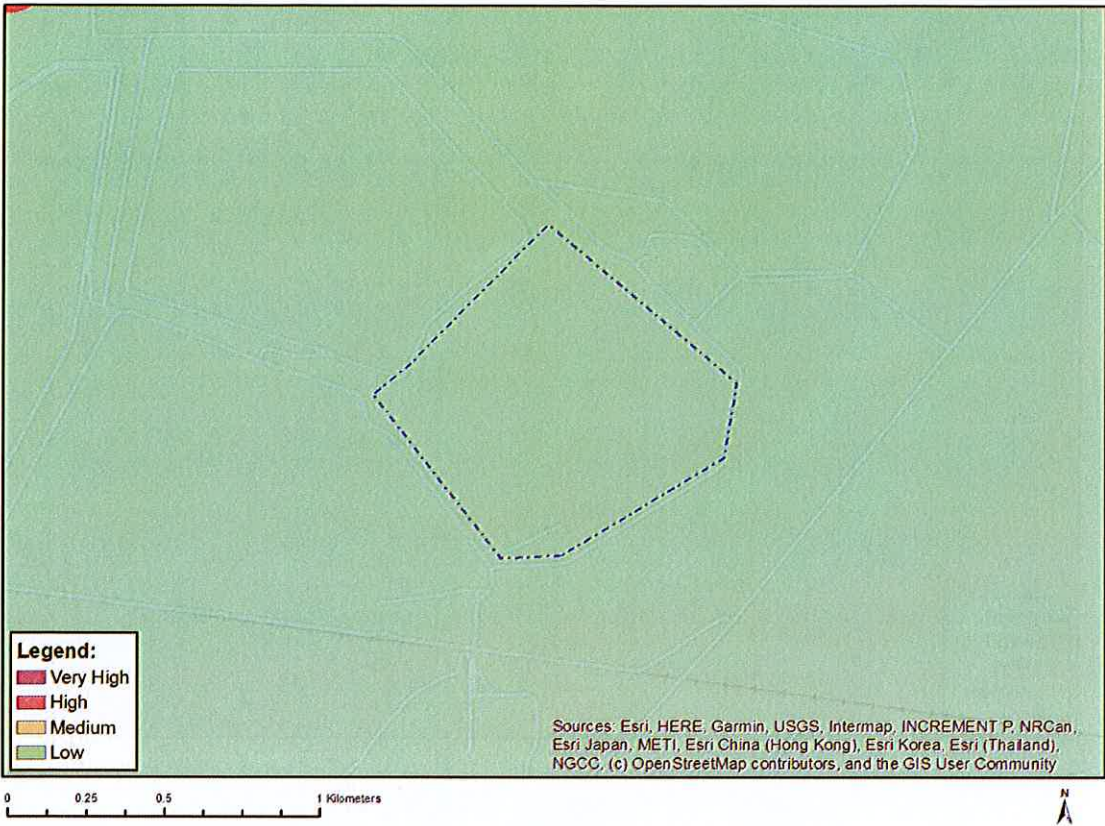


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	ESA 1
Very High	ESA 2

# MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



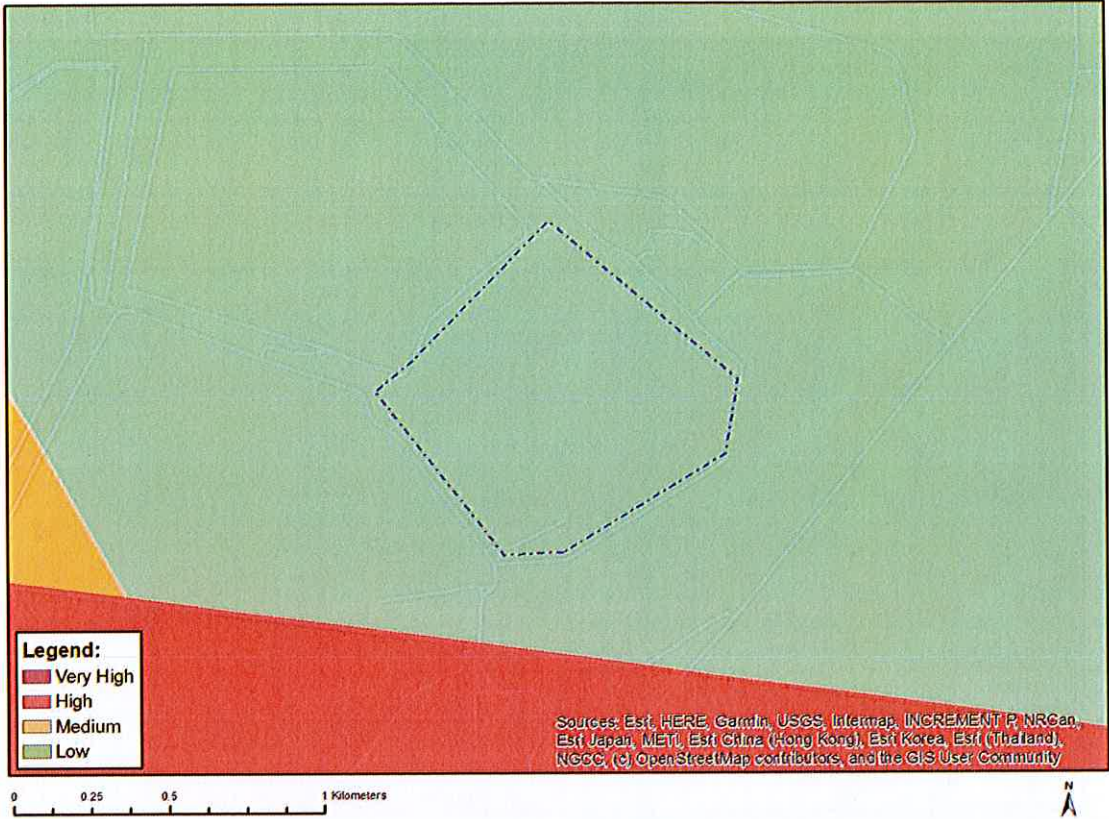
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

## Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity



MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



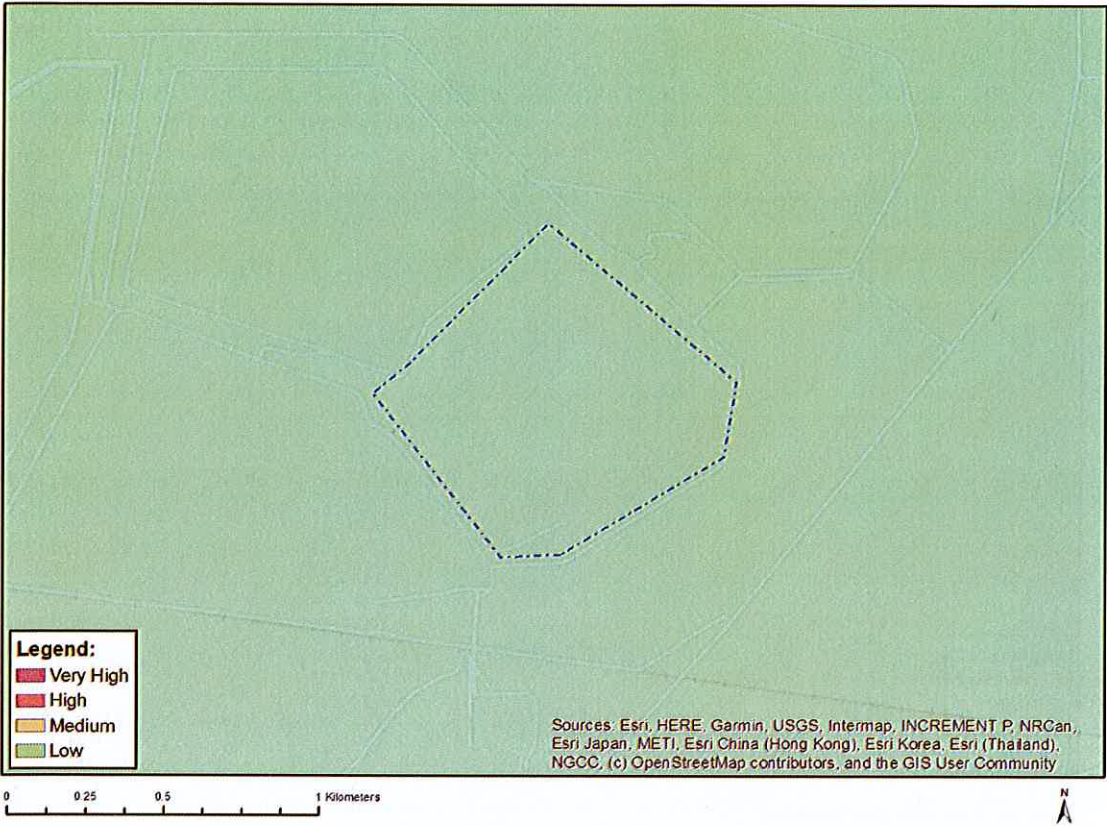
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity



MAP OF RELATIVE DEFENCE THEME SENSITIVITY

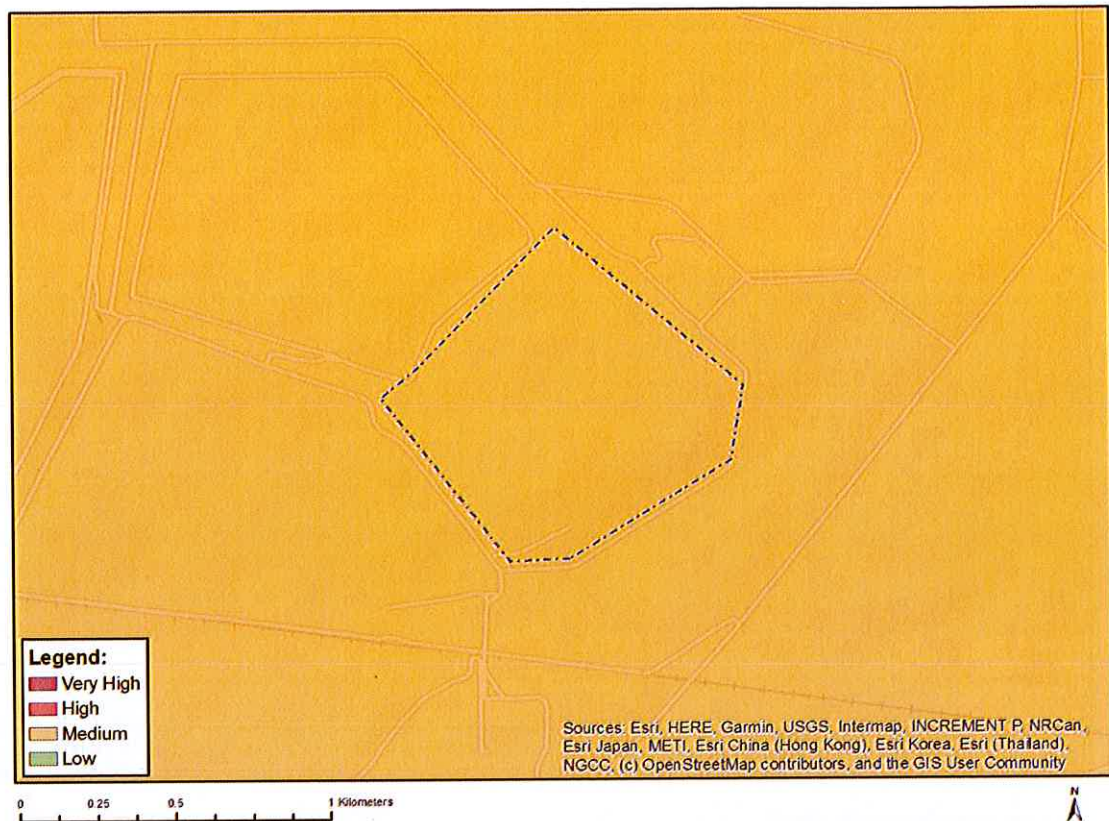


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

## MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



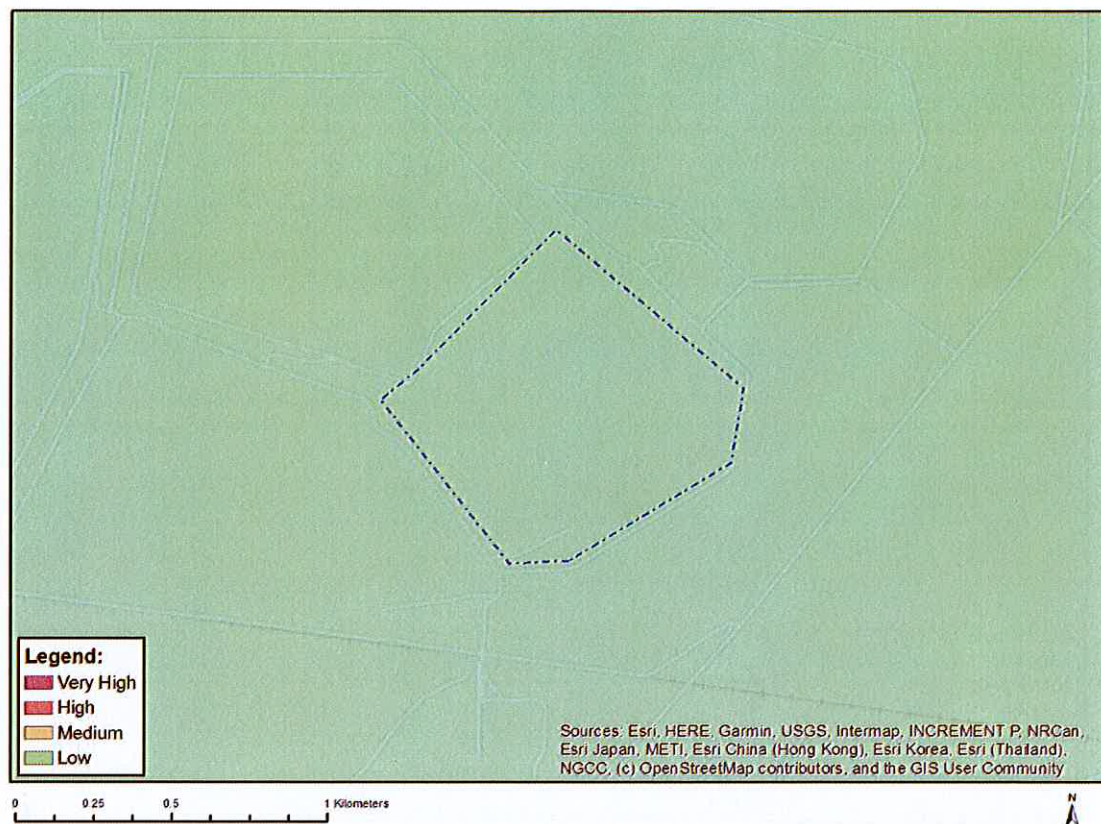
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

### Sensitivity Features:

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



## MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



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

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

### Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	CBA 2
Very High	EN_Marikana Thornveld



PREPARED FOR:

PREPARED BY:

# Western Platinum KDT 1 Tailings Storage Facility Remining



## Pre-disturbance Environmental Site Assessment and Site Specific EMP

Site ID:	Western Platinum KDT 1	Contractor:	EIMS
Location:	Western Platinum KDT 1 Tailings Storage Facility	Inspector:	John von Mayer
Client representative:	Yolande JV Rensburg	Inspection Date:	20 July 2023

### 1. Background

**Background of the project:** The applicant is applying for a waste management license for the remining of the existing KDT 1 Tailings Storage Facility. The project aims to extend the LOM by processing a new feed source which includes the recovery of fine chrome and platinum group metals. No new infrastructure is proposed as part of this application.

Project Aspects:	Yes	No	Details (provide specifications)	Location (DD MM SS)	
				Latitude	Longitude
❖ Remining	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Remining of TSF	<b>Centre Point</b> 25°40'54.05"S	27°27'7.58"E
				<b>Corner points</b>	25°40'37.65"S, 27°27'9.23"E 25°40'52.47"S, 27°27'28.85"E 25°40'59.13"S 27°27'27.26"E 25°41'8.29"S 27°27'10.59"E 25°41'8.82"S 27°27'4.70"E 25°40'53.58"S 27°26'51.18"E

### 2. Site Layout Plan



Date: 2023/06/07  
EIMS Ref:  
Compiled: QM  
Reviewed: SK  
Approved: LW



## 2. DEA Screening Tool Assessment

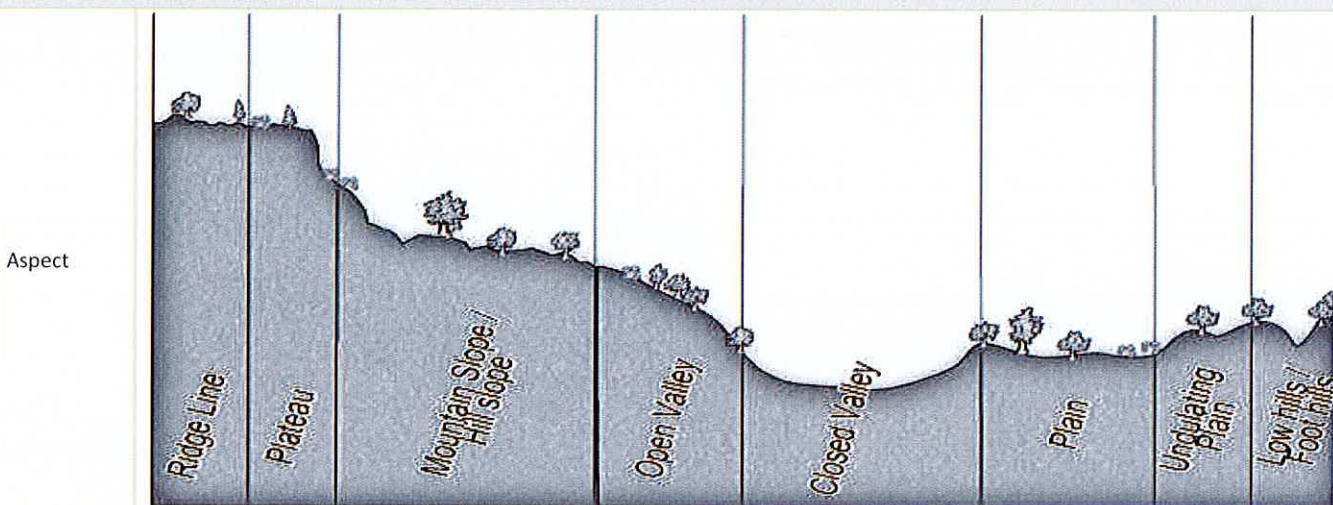
Aspect	Very High	High	Medium	Low
Agriculture			X	
Animal species			X	
Aquatic Biodiversity	X			
Civil Aviation				X
Defense Theme				X
Archaeological and Cultural Heritage				X
Paleontology			X	
Plant Species Theme				X
Terrestrial Ecology/ Biodiversity	X			





### 3. Site Assessment

#### 3.1 Gradient (indicate the general gradient characteristics of site)



TSF area ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐

Is the site located on or in the immediate vicinity of any of the following:

	PV facility			Comment
	Yes	No		
Erosion Channels or areas of severe erosion/ destabilized soils	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Wetlands (within 32m)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Unstable slopes or geological features (rocky outcrops)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Bare areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Some bare areas around TSF
Other Sensitive or risk areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Are any existing servitudes and structures directly or indirectly affected by the proposed sites and routes (e.g. Eskom, public road servitudes and restrictions- 60m from National Road, farmer's water/irrigation supplies, etc.)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		

#### 3.2 Vegetation

Which of the listed descriptions best describes the general groundcover on and around the site?

Natural veld - good condition <input type="checkbox"/>	Natural veld with scattered aliens <input type="checkbox"/>	Natural veld with heavy infestation <input checked="" type="checkbox"/>	Natural veld with alien species <input type="checkbox"/>	Veld dominated by alien species <input type="checkbox"/>	Gardens <input type="checkbox"/>
Sport field <input type="checkbox"/>	Cultivated land <input type="checkbox"/>	Paved surface <input type="checkbox"/>	Building structure <input type="checkbox"/>	or other <input type="checkbox"/>	Bare soil <input checked="" type="checkbox"/>

Comments on vegetation composition: The site is located with the mine area. Site areas are disturbed and degraded due to anthropogenic activities, such as clearing of vegetation, presence of a large amount of alien and invasive plant species, and fragmentation due to the presence of the mining infrastructure.

Comments on weed species/type: It appears that a significant amount of alien and invasive plant species are present on site.

Land cover/ use description: Describe the land uses on the site

PV facility area










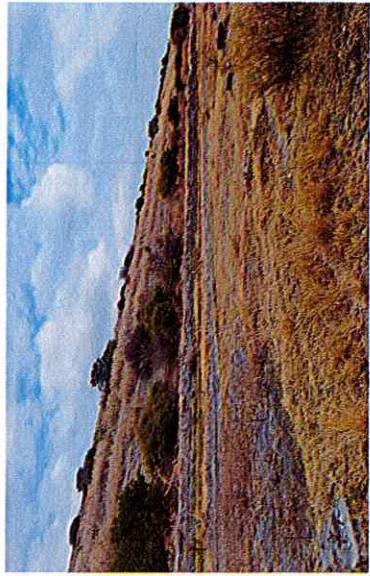
Bare soils with scattered vegetation cover with significant alien infestation.

#### **4. General Comments and Recommendations**

In general the site for the TSF appears to be of low ecological sensitivity due to its proximity to mining areas and disturbance and degradation to the site areas due to current mining activities. A significant number of alien plants were noted in the area as well. No watercourses or wetlands were noted during the site inspection directly adjacent to the TSF.



# Site Photos

<p>Aspect: TSF</p>			
<p>Describe area and adjacent land use:</p>	<p>View north towards southern edge of TSF. The only adjacent land use is mining. The site area could be described as disturbed natural vegetation with mining infrastructure.</p>	<p>View north-east from southern edge of TSF. The only adjacent land use is mining. The site area could be described as disturbed natural vegetation with mining infrastructure.</p>	<p>View northwest from access road along south-eastern edge of TSF. The only adjacent land use is mining. The site area could be described as disturbed natural vegetation with mining infrastructure.</p>
			



Describe area and adjacent land use:	View south-west from access road along southeastern edge of TSF. The only adjacent land use is mining. The site area could be described as disturbed natural vegetation with mining infrastructure.	View north from access road along eastern edge of TSF. The site area could be described as disturbed natural vegetation with mining infrastructure. The site area could be described as disturbed natural vegetation with mining infrastructure.	View west from eastern access road towards TSF. The only adjacent land use is mining. The site area could be described as disturbed natural vegetation with mining infrastructure.
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## 7. Verification findings and motivation:

Assessment for specialist studies and motivation:					
Screening Tool Specialist Study Required:	Level of Sensitivity:	Suggested Sensitivity:	Required Assessment	level of	Motivation
Aquatic Biodiversity	Very High	Low	None.	<input type="checkbox"/>	Remining of TSF will not affect any watercourses or wetlands as the TSF is already constructed. Infrastructure for the remining is being applied for under a separate application.
			Compliance Statement	<input checked="" type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other	<input type="checkbox"/>	
Archaeological and Cultural Heritage	Low	Low	None.	<input checked="" type="checkbox"/>	No HIA required.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other	<input type="checkbox"/>	
Paleontology	Low	Low	None.	<input checked="" type="checkbox"/>	No PIA required.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other	<input type="checkbox"/>	
Terrestrial Biodiversity	Very High	Low	None.	<input type="checkbox"/>	Remining of TSF will not affect any vegetation as the TSF is already constructed. Additional infrastructure for the remining is being applied for under a separate application.
			Compliance Statement	<input checked="" type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other	<input type="checkbox"/>	
Agriculture Theme	Medium	Low	None.	<input checked="" type="checkbox"/>	No agricultural assessment required. Remining of TSF will not affect any soils as the TSF is already constructed. Additional infrastructure for the remining is being applied for under a separate application.
			Compliance Statement	<input type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other	<input type="checkbox"/>	
Animal Species	Medium	Low	None.	<input type="checkbox"/>	Remining of TSF will not affect any animals





					as the TSF is already constructed. Additional infrastructure for the remining is being applied for under a separate application.
			Compliance Statement	<input checked="" type="checkbox"/>	
			Full Assessment	<input type="checkbox"/>	
			Other		

Guidance notes:

- An applicant intending to undertake an activity identified in the scope of this protocol, on a site identified by the screening tool as being of “very high” or “high” sensitivity for terrestrial animal species must submit a Terrestrial Animal Species Specialist Assessment Report.
- An applicant intending to undertake an activity identified in the scope of this protocol on a site identified by the screening tool as being of “medium sensitivity” for terrestrial animal species must submit either a Terrestrial Animal Species Specialist Assessment Report or a Terrestrial Animal Species Compliance Statement, depending on the outcome of a site inspection undertaken in accordance with paragraph 4.
- An applicant intending to undertake an activity identified in the scope of this protocol on a site identified by the screening tool as being of “low” sensitivity for terrestrial animal species must submit a Terrestrial Animal Species Compliance Statement.
- Where the information gathered from the site sensitivity verification differs from the screening tool designation of “very high” or “high”, for terrestrial animal species sensitivity and it is found to be of a “low” sensitivity, then a Terrestrial Animal Species Compliance Statement must be submitted.
- Where the information gathered from the site sensitivity verification differs from the screening tool designation of “low” terrestrial animal species sensitivity and it is found to be of a “very high” or “high” terrestrial animal species sensitivity, a Terrestrial Animal Species Specialist Assessment must be conducted.
- If any part of the development falls within an area of confirmed “very high” or “high” sensitivity, the assessment and reporting requirements prescribed for the “very high” or “high” sensitivity, apply to the entire development footprint. Development footprint in the context of this protocol means, the area on which the proposed development will take place and includes the area that will be disturbed or impacted.