
		MINUTES OF MEETING	
<i>EIMS Ref</i>	1596	<i>Project Name</i>	THE PROPOSED ADDITIONAL EXPLORATION ACTIVITIES FOR HYDROCARBONS AND ASSOCIATED GAS ON VARIOUS FARMS NEAR THE TOWN OF HENNENMAN, FREE STATE

MEETING DETAILS

Meeting	1596 Motuoane EA Amendment - Public Meeting		
Meeting Venue	Harmonie Primary School	Date	2024/05/15
		Time	15:00-17:00
<p><i>A Public Meeting was scheduled with Interested and Affected Parties (I&APs). The aim of the meeting was to provide feedback regarding the findings of the Environmental Authorisation amendment report to members of the public and key I&APs as an additional method for public engagement. During the public meeting which took place between 15h00 and 17h00, a presentation of the project description, impact assessment, and updates was delivered to all attendees of the meeting by Environmental Impact Management Services (EIMS) Pty (Ltd). A presentation was delivered by Mr Vukosi Mabunda from EIMS in English and after the presentation was delivered, a question and answer session was opened and facilitated by Mr Liam Whitlow from EIMS where attendees asked questions or expressed their comments regarding the project. The attendance register has been attached as an appendix to this document.</i></p>			

AGENDA

Item
1. EIMS Presentation <ul style="list-style-type: none"> <i>a. Opening and Welcome</i> <i>b. Safety Note / Announcements</i> <i>c. Purpose of Meeting</i> <i>d. Project Overview and Description</i> <i>e. Legislated Requirements</i> <i>f. Summary of Amendment Report / Findings</i> <i>g. Involvement of Interested and Affected Parties</i> <i>h. Project Timelines (Anticipated)</i> <i>i. Questions and Answers</i>
2. Questions and Answers

		MINUTES OF MEETING	
<i>EIMS Ref</i>	1596	<i>Project Name</i>	THE PROPOSED ADDITIONAL EXPLORATION ACTIVITIES FOR HYDROCARBONS AND ASSOCIATED GAS ON VARIOUS FARMS NEAR THE TOWN OF HENNENMAN, FREE STATE

MINUTES

Item No	Item
1.	EIMS Presentation
	<p><i>The meeting commenced with Welcomes and Introductions by Mr Vukosi Mabunda and Mr Liam Whitlow. All attendees were requested to sign the attendance register. Presentation from EIMS was delivered as per the agenda above to the meeting attendees. It was indicated that the meeting would be recorded for the purposes of accurate minute-taking. The attendees were encouraged to submit their comments and concerns through filling in the comment forms provided. Ground rules for the meeting were outlined and members were encouraged to state their names before commenting for minutes-taking purposes.</i></p> <p><i>Following the presentation, the floor was opened for a discussion and the attendees were encouraged to bring up any questions or concerns they had about the project.</i></p>
2.	Questions and Answers
	The following is a summary of the comments and questions that were recorded during the proceedings of the meeting and the responses provided.
a.	<p>Mr Liam Whitlow</p> <p>Mr Liam Whitlow inquired about the duration of the seismic operation and how long it would take to cover the entire 25km.</p> <p>Response - Mr F.J. Max</p> <p>Mr F. J. Max's in his response stated that the operation would require 14 days to complete. There are a total of 9 lines, with each line taking one day to complete.</p> <p>Ms Pulane Lipholo</p> <p>Ms Pulane Lipholo sought clarification on the distance of the seismic operation, whether it is 25km or 30km, as it had been previously indicated in the presentation that it would be 30km.</p> <p>Response - Mr Liam Whitlow</p> <p>He stated that it is 30km, not 25km.</p>
b.	<p>Mr Liam Whitlow</p> <p>Mr Liam Whitlow invited all the attendees to ask questions, make comments, or seek clarity on the aspects highlighted in the presentation. He encouraged everyone to feel free to ask any questions, as all the relevant key stakeholders were in attendance to address them. He also reminded the attendees of the time available to review the report as it will be available until the 21st of June in case they needed to provide their comments later.</p>
c.	Ms Pulane Lipholo

MINUTES OF MEETING


<i>EIMS Ref</i>	1596	<i>Project Name</i>	THE PROPOSED ADDITIONAL EXPLORATION ACTIVITIES FOR HYDROCARBONS AND ASSOCIATED GAS ON VARIOUS FARMS NEAR THE TOWN OF HENNENMAN, FREE STATE
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Item No	Item
	<p>Ms Pulane Lipholo sought clarification on the white residue that appears to be left after completing a seismic survey as shown by a photograph in the presentation. She noted that Mr Vukosi Mabunda described this white residue as having a minor impact during the presentation. Consequently, she enquired whether this implies that the white residue does not significantly affect the environment. She also requested clarity on what this white residue is.</p> <p>She further requested clarity on how employment opportunities are going to be facilitated as indicated in the impact assessment tables.</p> <p>Response - Mr Liam Whitlow</p> <p>Mr Liam Whitlow responded to Ms Pulane Lipholo's initial comment by clarifying the nature of the photographs that were used in the presentation. He explained that the images are aerial photographs taken by a drone, depicting one of the wells that the applicant recently finished drilling. The white 'residue' that appears in the photographs is actually a recently cleared patch of soil due to the area being cleared of vegetation to facilitate the drilling process. However, he assured that after the drilling was completed, the area was rehabilitated, and a recent visit to the site shows that vegetation is beginning to regrow.</p>
d.	<p>Ms Pulane Lipholo</p> <p>She enquired about the future of the land following the drilling of 13 wells. Specifically, she wanted to know if the applicant plans to only conduct the drilling and then leave, or if the establishment of these wells will increase water availability for the community, given the existing water scarcity issues in the community. She sought clarity on the potential impacts of the drilling process on the community and what benefits the community might receive. Overall, she aimed to understand the purpose and long-term implications of the drilling.</p> <p>Response - Mr Liam Whitlow</p> <p>Mr Liam Whitlow responded to Ms Pulane Lipholo by summarising the exploration process, clarifying that the drilling is for gas and not water, hence these are gas wells. The drilling reaches depths of approximately 600 meters, penetrating through the drinking water layer to access the gas deposits.</p> <p>Mr Whitlow explained that if gas is found, a pipe is installed to extract and measure the gas flow over several months to assess the amount of available gas. If no gas is found, or if the decision is made to close the wells, the applicant will remove the pipe, fill the well with cement ("plug it up"), cover the area with topsoil, and rehabilitate the site to prevent any gas release.</p> <p>If economical viable gas is discovered, the exploration will stop for the applicant to apply for a Production Right from the Department of Mineral Resources (DMR) and conduct a new Environmental Impact Assessment (EIA) to utilise the gas. Potential utilisation methods include installing a pipe from the gas deposit to a local processing plant or setting up a localised compressor on the site. Mr Whitlow emphasised that the availability and scale of the gas are still uncertain at this point.</p>
e.	<p>Mr Vukosi Mabunda</p> <p>Mr Vukosi Mabunda asserted that the Ms Pulane Lipholo's question about employment opportunities had not been addressed.</p>

MINUTES OF MEETING

<i>EIMS Ref</i>	1596	<i>Project Name</i>	THE PROPOSED ADDITIONAL EXPLORATION ACTIVITIES FOR HYDROCARBONS AND ASSOCIATED GAS ON VARIOUS FARMS NEAR THE TOWN OF HENNENMAN, FREE STATE
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Item No	Item
	<p>Response - Mr Liam Whitlow</p> <p>Mr Liam Whitlow explained that, from an exploration standpoint, the employment numbers are minimal because the applicant employs specialised personnel for the drilling, which occurs over a very short duration. However, if gas is discovered, the applicant will invest in long-term production facilities. At that stage, similar to any other mining operation, the applicant will need to develop a Social and Labour Plan, engage with the municipality, identify the Local Economic Development (LED) projects, and contribute to them accordingly.</p> <p>Response - Mr F. J. Max</p> <p>Mr F.J. Max elaborated on Mr Liam Whitlow's comments regarding employment opportunities. He explained that, as a Geologist at the company, his role involves locating gas deposits. Currently, the company has limited hiring capabilities and relies heavily on consultants for much of its work.</p> <p>Mr Max highlighted the need for more specialised professionals, such as drilling engineers, and consulting firms like EIMS to assist with environmental authorisation. He noted that the company is still in the early stages of development, with no gas discoveries yet.</p> <p>He emphasised that employment opportunities would arise if they find substantial gas deposits and production begins – all this would be projected to take 2 – 3 years.</p> <p>Mr Liam Whitlow</p> <p>He further emphasised that during the exploration stage of development, no local labour force will be required. Instead, all tasks will be performed by skilled labourers, specifically drilling contractors. This phase is expected to last approximately three months, after which the contractors will move on to the next site.</p>
f.	<p>Mr Khopolo Molibeli</p> <p>He asked who is currently conducting the drilling for the applicant.</p> <p>Response - Mr F.J. Max</p> <p>Mr F.J. Max responded to Mr Khopolo Molibeli's questions, stating that the applicant currently contracts drilling services to Van Zyl Drilling, who are professional individuals that have provided drilling services for Tetra4 and Regan. He added that if Mr Molibeli has any suggestions for drilling contractors, he is welcome to talk to him.</p> <p>Mr Liam Whitlow</p> <p>Mr Liam Whitlow expanded on Mr F.J. Max's remarks, explaining that exploration drilling is not the same as water well drilling. In exploration drilling, they go deeper, reaching a depth of approximately 600m. The applicant adheres to stringent protocols during well construction to guarantee safety. This includes the use of proper casing, imported steel, and a specific type of cement, all to ensure the well's stability and security. He emphasised that it's a highly specialised process.</p>
g.	<p>Mr Buti Ntsabelle</p> <p>He enquired about the status of the applicant's approval to start the project and requested the exact start time if approved.</p>

		MINUTES OF MEETING	
<i>EIMS Ref</i>	1596	<i>Project Name</i>	THE PROPOSED ADDITIONAL EXPLORATION ACTIVITIES FOR HYDROCARBONS AND ASSOCIATED GAS ON VARIOUS FARMS NEAR THE TOWN OF HENNENMAN, FREE STATE

Item No	Item
	<p>Response - Mr Liam Whitlow</p> <p>In his response to Mr Buti Ntsabelle, he clarified that EIMS operates as an independent environmental consulting firm. Their role is to facilitate the Environmental Authorisation process for the applicant. The current project is under the management of Mr Vukosi Mabunda, who has been serving as the appointed Environmental Assessment Practitioner for approximately six months since the project was afforded to EIMS.</p>
h.	<p>Closing - Mr Liam Whitlow</p> <p>He thanked all the attendees for their participation and attendance and encouraged them to send through their comments, questions, or concerns as they still have time to read and review the report. He reminded everyone to fill in the register to be added to the I&AP database and receive correspondence as the project progresses. The meeting was closed</p>

APPENDICES

<ol style="list-style-type: none"> Appendix 1 – Public Meeting Presentation Appendix 2 – Attendance Register
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A 8 Dalmeny Road, Pine Park, Randburg PO Box 2083, Pinegowrie 2123, South Africa T (011) 789-7170 F (086) 571- 9047	E mail@eims.co.za W www.eims.co.za	A Regus Business Centre, 14 Stewart Drive, Berea, East London PO Box 19731, Tecoma, 5214, South Africa T (043) 783-9826 F (086) 571- 9047
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MOTUOANE ENERGY COMPANY LIMITED

PART II EA 12/3/315 AMENDMENT

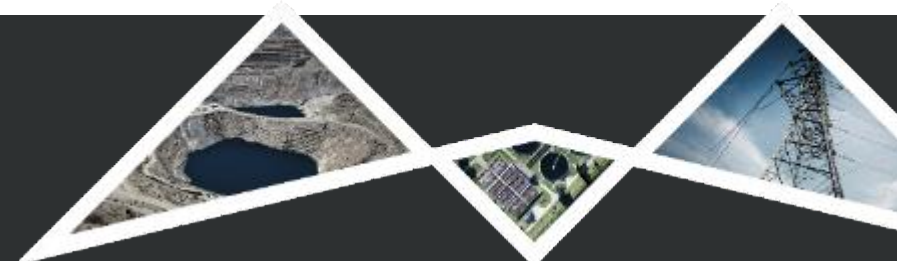
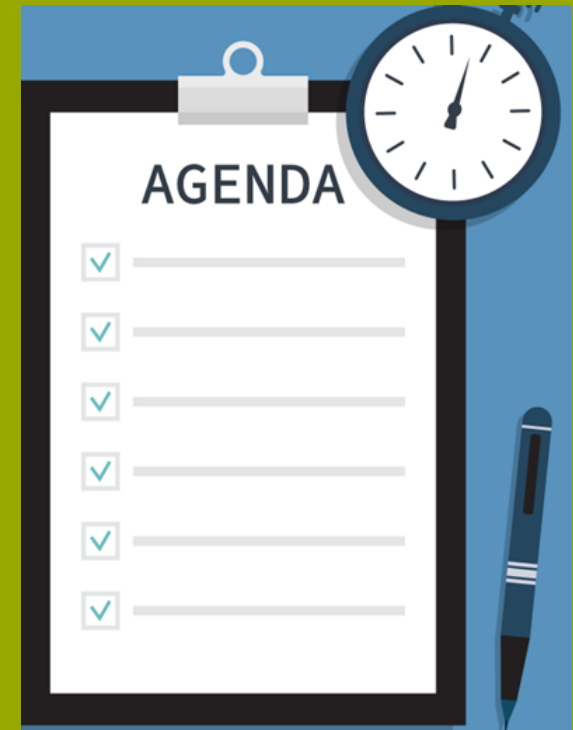
THE PROPOSED ADDITIONAL EXPLORATION ACTIVITIES FOR
HYDROCARBONS AND ASSOCIATED GAS ON VARIOUS FARMS NEAR THE
TOWN OF HENNENMAN, FREE STATE

PUBLIC MEETING – MAY 2024



Meeting Agenda

- Opening and Welcome
- Safety Note / Announcements
- Purpose of Meeting
- Project Overview and Description
- Legislated Requirements
- Summary of Amendment Report / Findings
- Involvement of Interested and Affected Parties
- Project Timelines (Anticipated)
- Questions and Answers

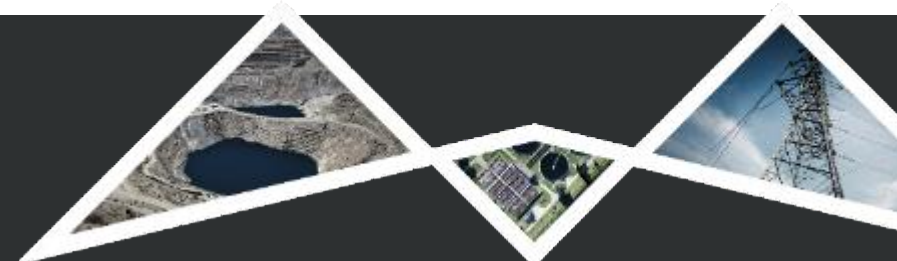


Part 1

PART 1: OPENING & WELCOME

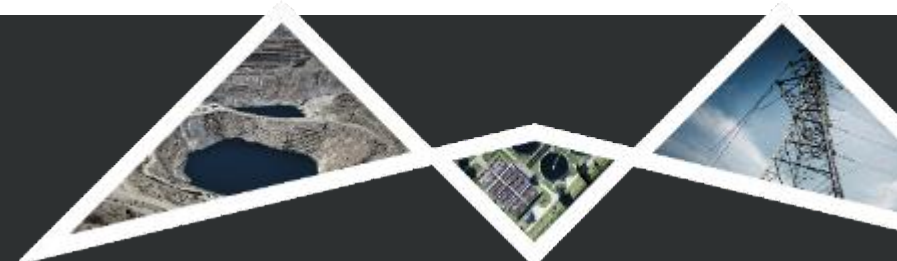
Liam Whitlow / Vukosi Mabunda

(Project Director / Project Manager)



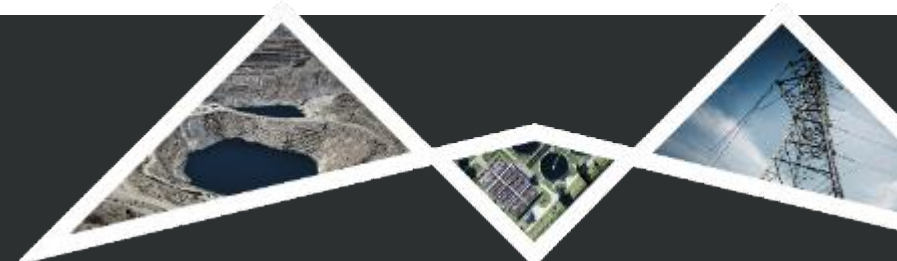
Ground Rules

- Please be respectful
- Please do not interrupt other speakers
- Please keep questions to the end of the presentation
- Please first state your name before your comment or question
- Keep comments and questions to the point of the meeting
- Please speak up and clearly- Must use the microphone to ensure accurate record.



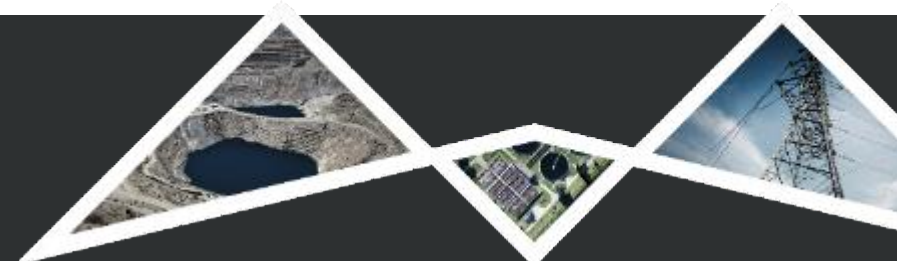
1.1 Opening and Welcome

- Official opening of the Public Meeting
- PP Meeting as part of the Motuoane Hennenman EA Amendment Application
- What is a Public Meeting and what is its purpose?
 - An arranged gathering for discussion of matters of interest to the general public for a specific agenda
 - Gathering of I&APs to share information, discuss issues and provide insight on an intended project
- When is Public Meeting held?
 - For contentious projects or within sensitive environments / communities; **OR**
 - When the need arises as determined by the EAP / Developer/I&APs
- What guides Public Meetings?
 - Minimum guidelines for PPP - Chapter 6 of NEMA EIA Regulations 2014 as amended (Section 41 – 44)



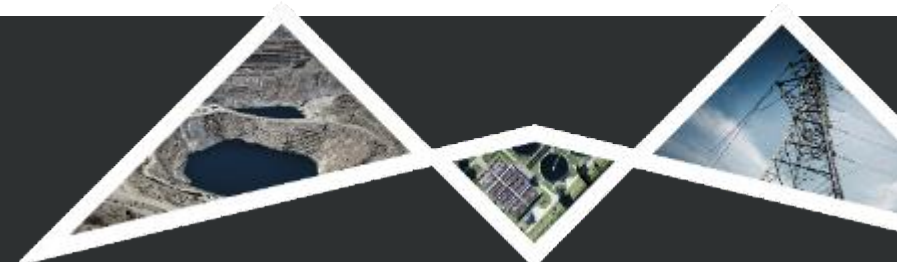
1.1 Opening & Welcome

- **Project Team Involved:**
 - **Independent EAP:** Environmental Impact Management Services (Pty) Ltd
 - **Administrative Authority:** Petroleum Agency South Africa (PASA)
 - **Competent Authority:** Department of Mineral resources and Energy
 - **Developer / Applicant:** Motuoane Energy (Pty) Ltd



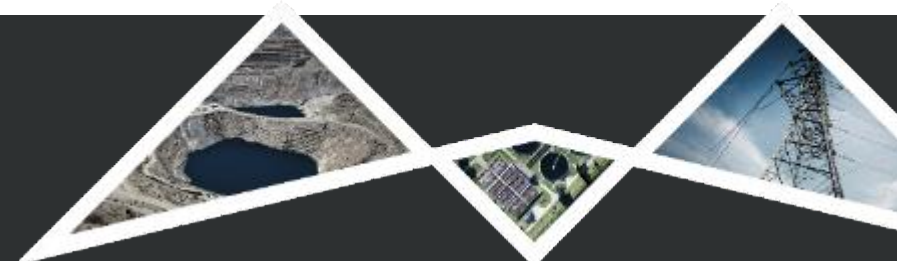
1.2 Safety Note / Announcements

- Safety Brief
- Announcements:
 - Assembly Point
 - Restrooms



1.3. Purpose of Meeting

- Present and contextualize the proposed development to the I&APs
- Outline the licensing requirements
- Outline the involvement of Interested and Affected Parties
- Provide update on project progress
- Highlight the way forward and key next phases in the project
- Address issues raised by I&APs

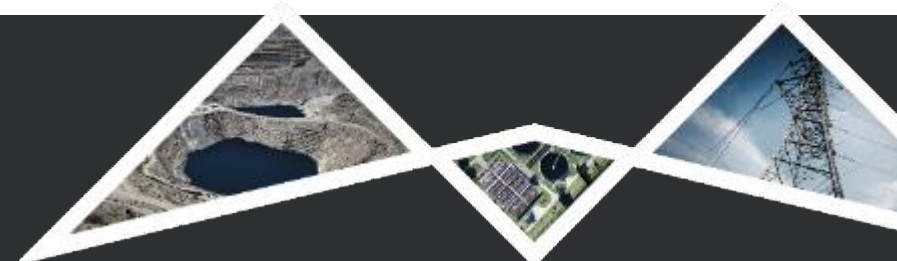


Part 2

PART 2: PROJECT INFORMATION

VUKOSI MABUNDA

(Environmental Assessment Practitioner)

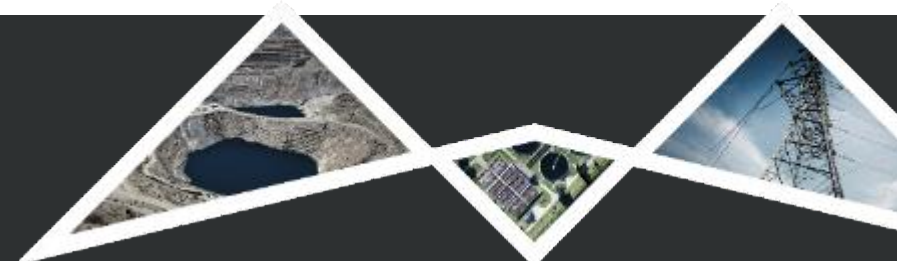


2.1 Project Overview

- **Background:**

- Motuoane is the holder of an Exploration Right (ER) for hydrocarbons issued in 2016.
- In support of the ER, an Environmental Authorisation (EA) was obtained in July 2017 (ref: 12/3/315).
- However, the EA authorised only 3 drilling wells and it did not include the seismic surveys.
- The applicant proposes to undertake additional new **10 exploration boreholes**, **undertake ~30km known seismic transects** and **update the EMPr**.

- **Approved ER Location:** The Exploration Right area is located over an area of approximately 149 377 hectares (ha), covering various farms near the town of Hennenman, within the Free State Province, extending north from approximately Theunissen, northeast towards Kroonstad, and east of Virginia and Hennenman.
- Motuoane were required to relinquish part of their land position when renewing the ER (twice now), the revised ER footprint currently covers an area of **95 483ha**, over 50 000ha less than the initially approved area



2.1 Project Overview

- **Authorised Listed Activities:**

- **Listing Notice 1 Activity 27:** The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation.
- **Listing Notice 2 Activity 18:** Any activity including the operation of that activity which requires an exploration right in terms of section 79 of the MPRDA...
- **Listing Notice 3 Activity 12:** The clearance of an area of 300 square meters or more of indigenous vegetation

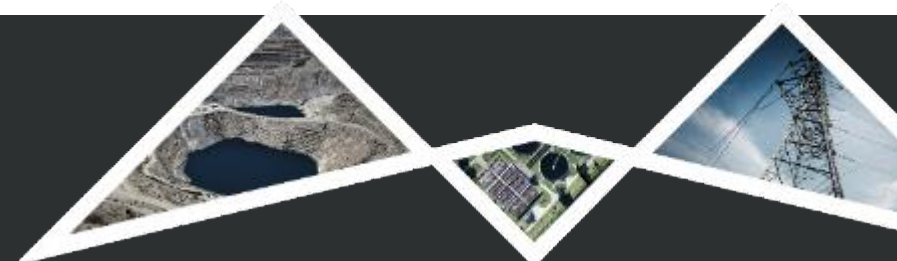
- **Authorised Exploration Activities:**

- **Non-invasive exploration:**

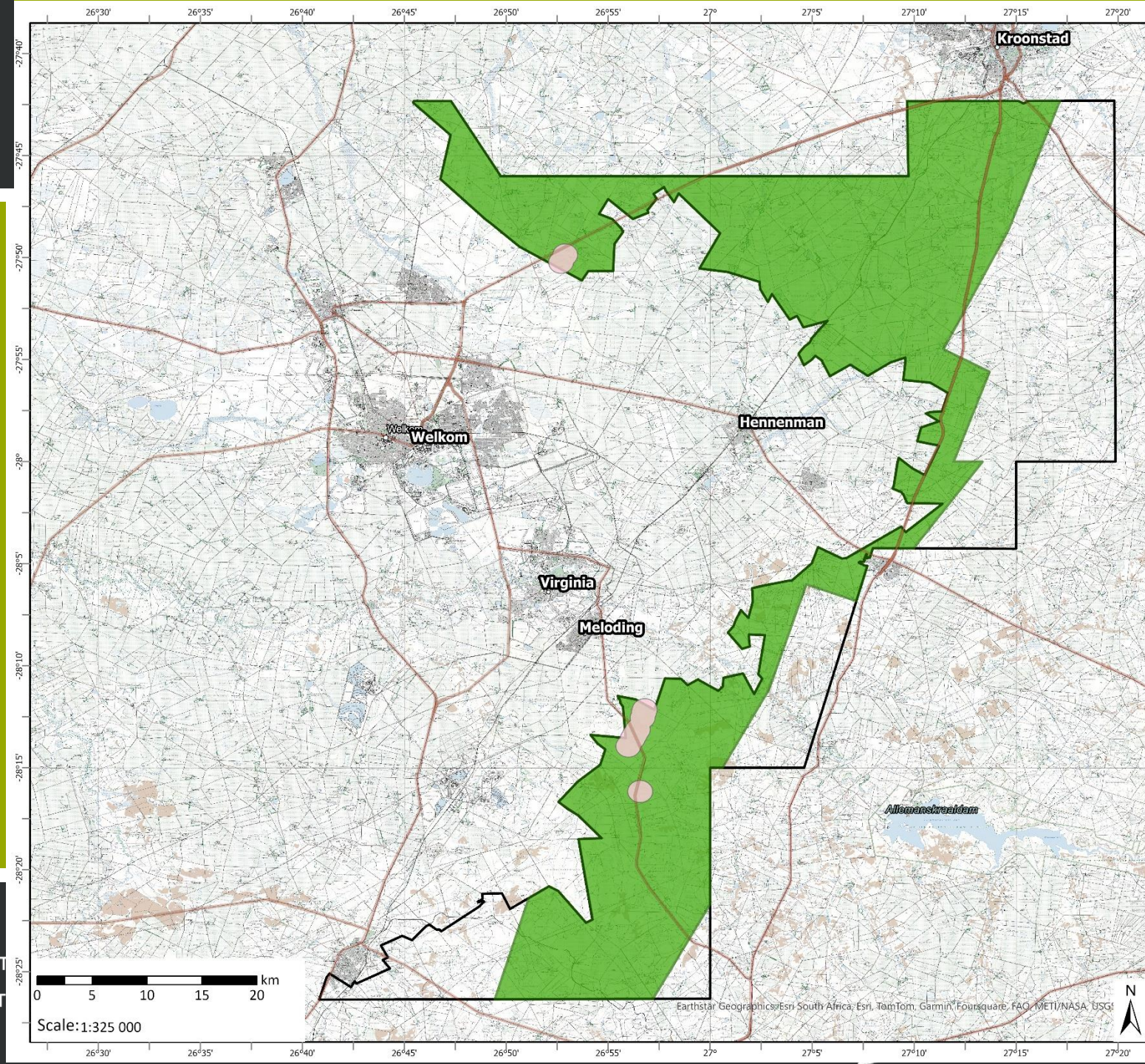
- Background data collection and data management
- Geological and geophysical logging

- **Invasive exploration**

- Geotechnical and soil sampling
- Diamond well drilling



Approved ER Area



Hennenman Exploration Right Map 1596 Motuoane Hennenman EA Amendment

Legend

- Originally Approved Exploration Right Area
- Revised Exploration Right Area
- Motouane Boreholes 1km Buffers



Data Sources:

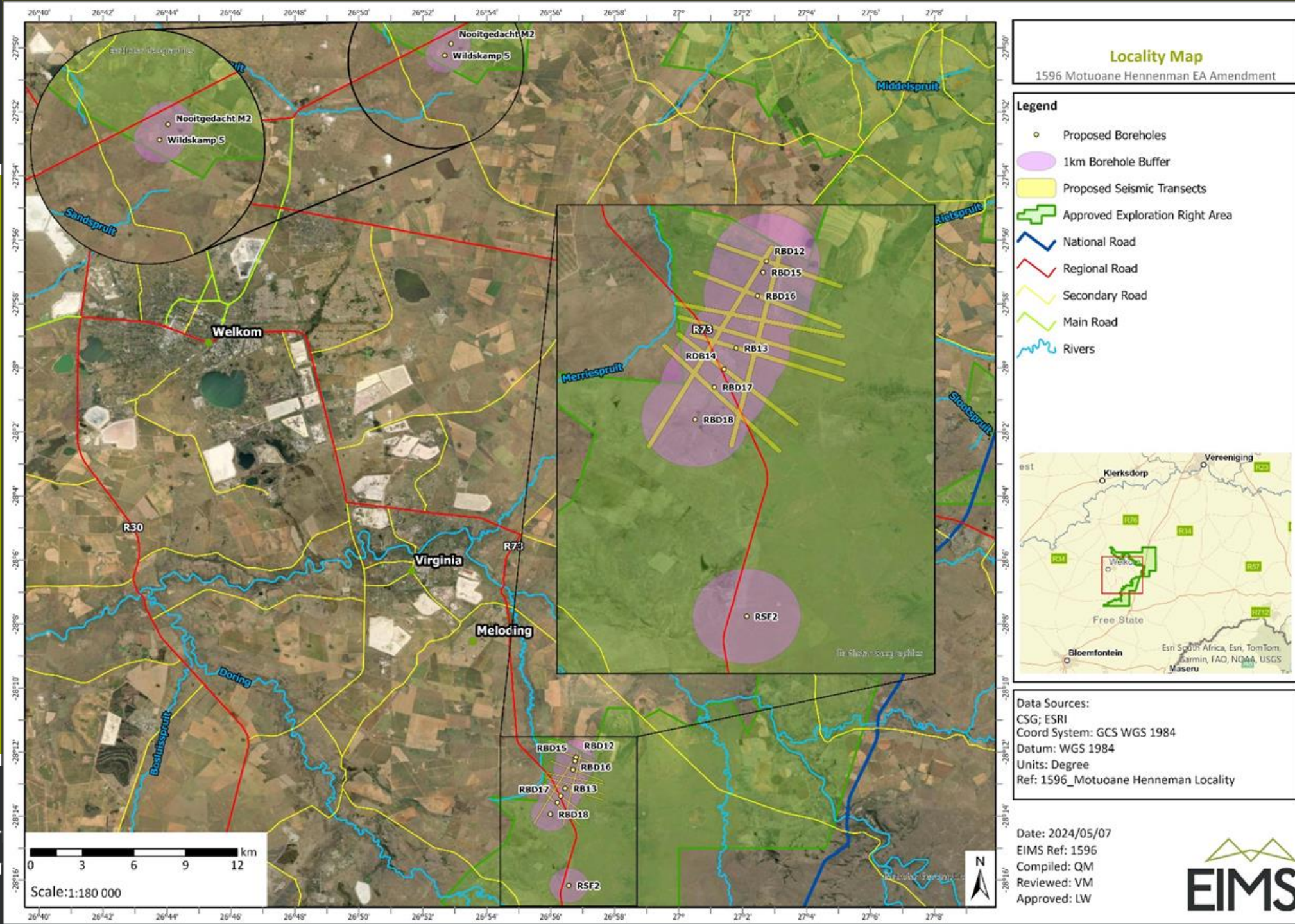
CSG; ESRI
Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: 1596_Motuoane Henneman ER Map

Date: 2024/05/13
EIMS Ref: 1612
Compiled: QM
Reviewed: VM
Approved: LW

Locality of Amendment Activities

Location of Amendment

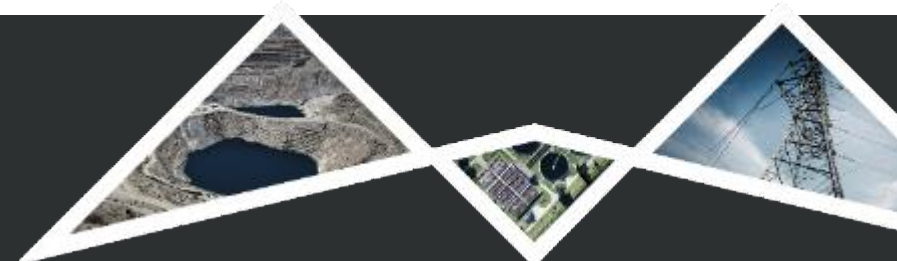
Activities: The proposed additional 10 wells and seismic surveys is situated within three sections within the approved exploration right footprint.



2.2 Project Description

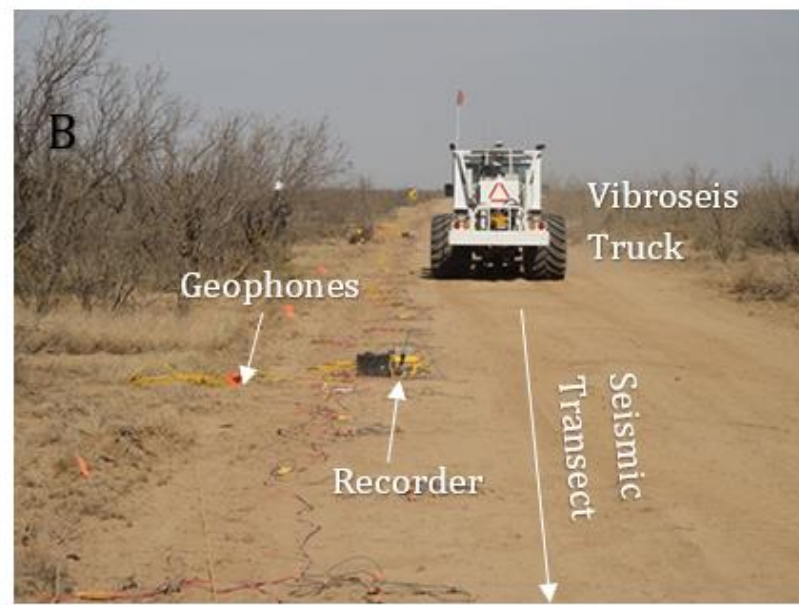
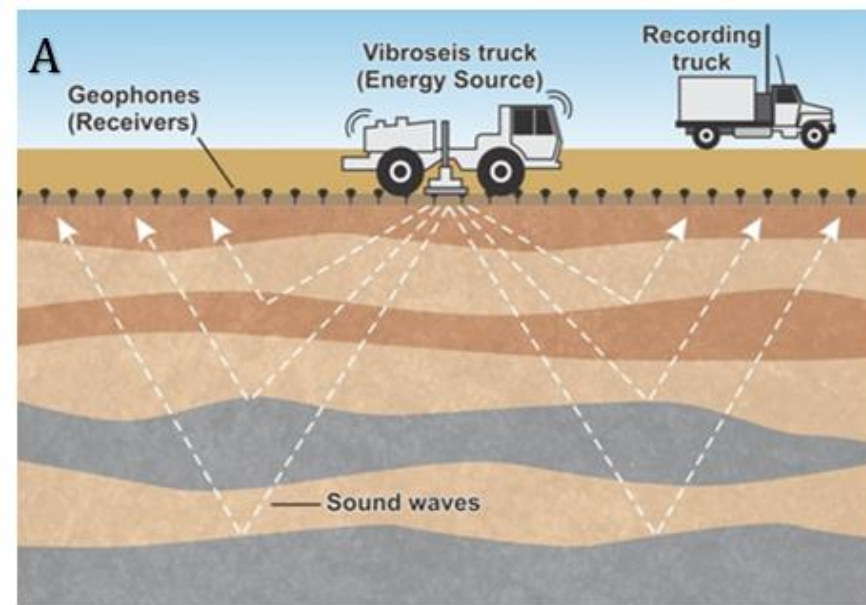
Proposed Amendments / Main Aspects:

- Undertake an addition of 10 new exploration boreholes (13 drilling wells in total)
- Undertake approximately 30km of new seismic transects
- Undertake future additional drilling boreholes and seismic surveys
- Amend existing EA Conditions & EMPr
- Proposed Exploration Activities:
 - **Non-invasive exploration:**
 - Background data collection and data management
 - Geological and geophysical logging
 - 9 x Seismic Surveys ~30km long
 - **Invasive exploration**
 - Geotechnical Investigations
 - 13 x Well drilling

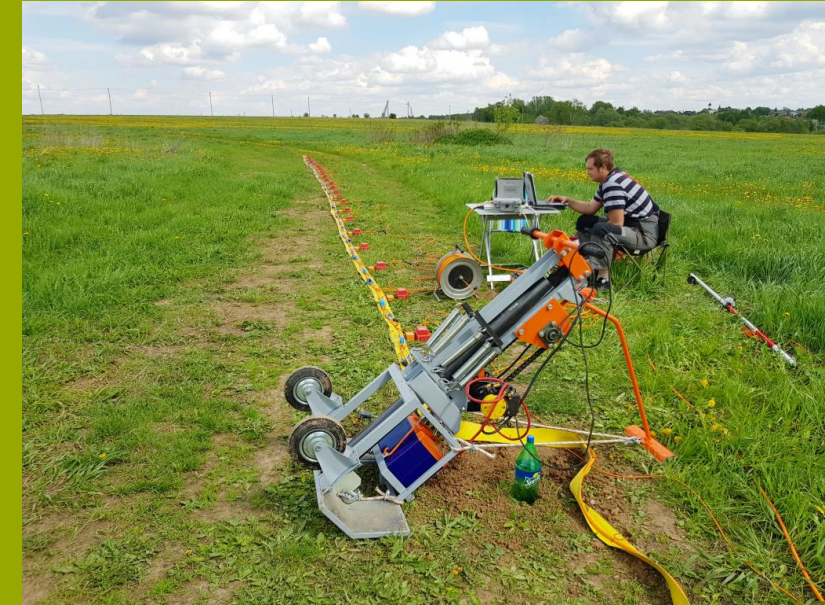


2.2 Project Description – Seismic Surveys

Vibroseis Process



Accelerated Weight Drop Process



2.2 Project Description – Seismic Surveys



2.2 Project Description – Exploration Drilling Wells



2.2 Project Description

- Summary of Proposed Amendments:

EA / EMPr	Condition / Section	Aspect Current Condition	Proposed Amendment / New Condition
EA	1	Contacted Details of the Holder – Mr. Peter Price	Contacted Details of the Holder – Mr. FJ Marx
EA	2	EAP Contact Person – Mr. Brian Whitfield	EAP Contact Person – Mr. Vukosi Mabunda
EA	3.2.2	Drilling of up to 3 wells	Drilling of up to 13 wells
EA	3.2.3	Nil	Undertaking of seismic surveys
EA	5.1.1.3	Drilling of up to 3 wells	Drilling of up to 13 wells
EA	5.1.1.3	Nil	Undertaking of seismic surveys
EA	5.1.3	Holder is responsible for ensuring compliance with the conditions of this environmental authorisation, EIR / EMPr) dated 30" of January 2017	Holder is responsible for ensuring compliance with the conditions of the environmental authorisation, EIR, Amendment Report and EMPr as amended
EMPr	Section 8	Table 7: Potential impacts and risks in their respective phases	Table 6: Revised Potential impacts and risks in their respective phases

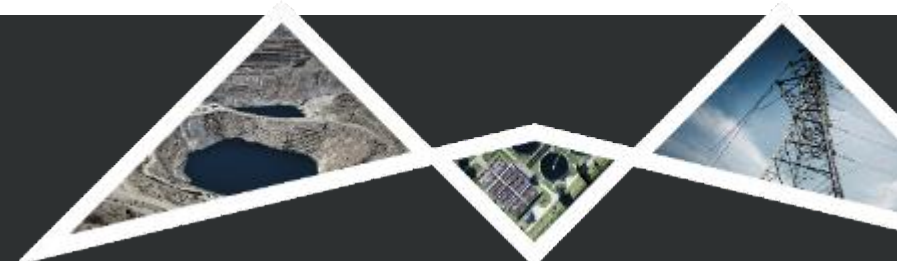


Part 3

PART 3: LEGISLATED REQUIREMENTS

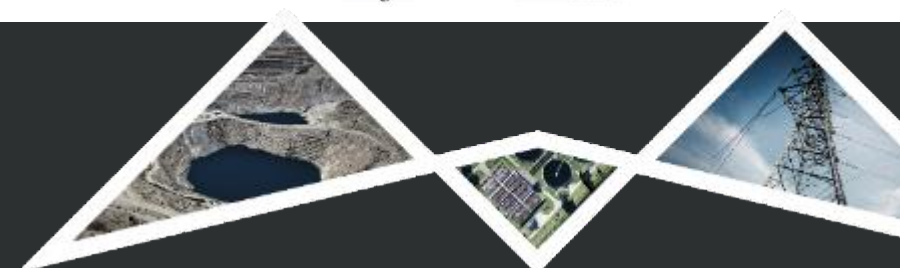
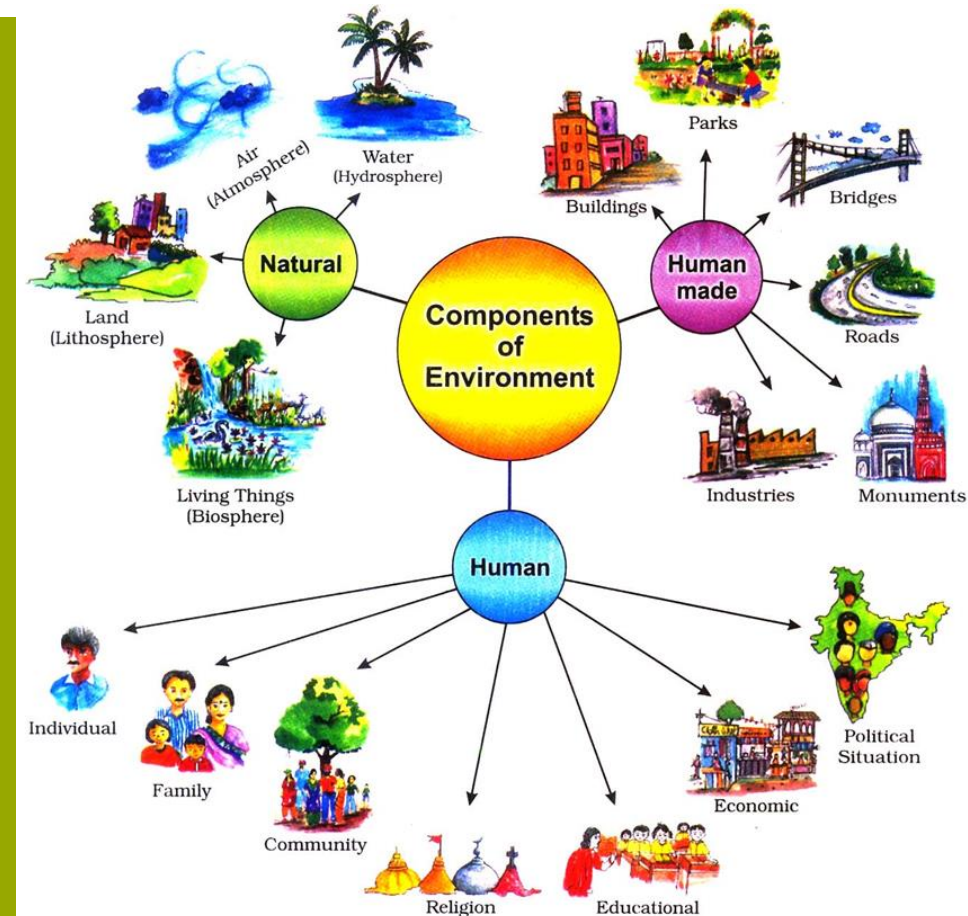
VUKOSI MABUNDA

(Environmental Assessment Practitioner)



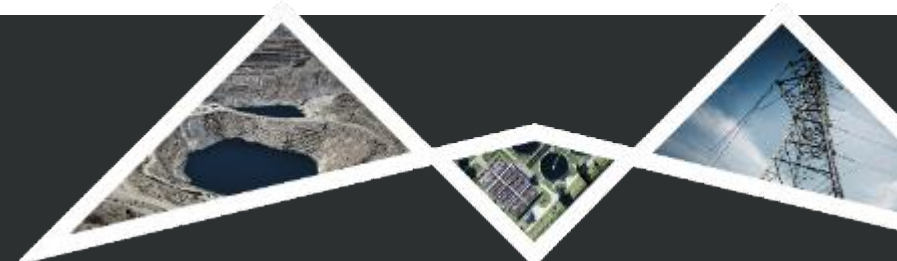
3.1 Environmental Requirements

- The need to understand the components:
 - The living natural environment
 - The non-living natural environment
 - The man-made environment



3.1 Environmental Requirements

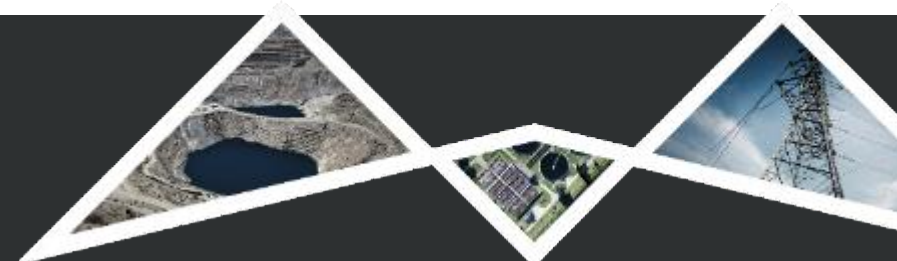
- Proposed amendments are within the same approved ER footprint and trigger no new listed activity.
- There will be no additional areas or petroleum resources added to the exploration right.
- Onshore seismic surveys listing (Listing Notice 1, Activity 21C) was not a listed activity at the time of the original EA.
- NEMA EIA Regulations (2014, as amended)
 - List of activities that cannot commence without an Environmental Authorisation
 - Defines processes (BA, EIA, Amendment) that must be undertaken by an Independent Environmental Consultant



3.1 Environmental Requirements

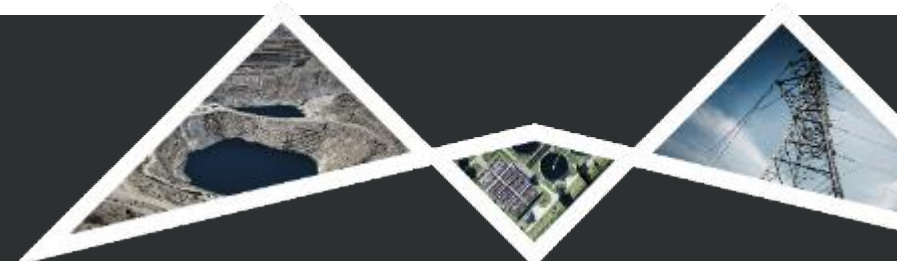
- Review of NEMA EIA Regulations (2014, as amended)
 - Proposed additional activities require an amendment to the existing EA through a Part II Amendment process
 - Regulation 31 (Part 2) of the 2014 NEMA EIA Regulations states that:

“An environmental authorisation may be amended by following the process prescribed in this Part if the amendment will result in a change to the scope of a valid environmental authorisation where such change will result in an increased level or nature of impact where such level or nature of impact was not (a) assessed and included in the initial application for environmental authorisation; or (b) taken into consideration in the initial environmental authorisation; and the change does not, on its own, constitute a listed or specified activity.”



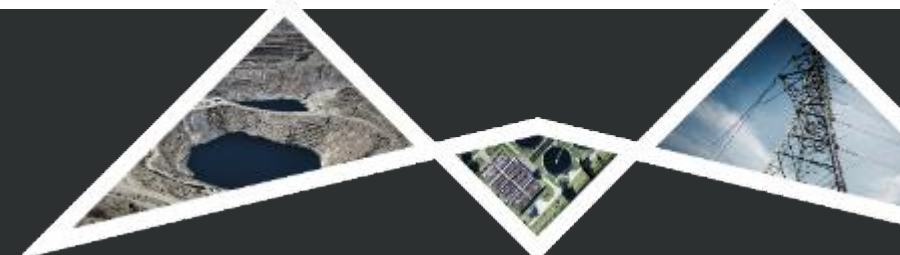
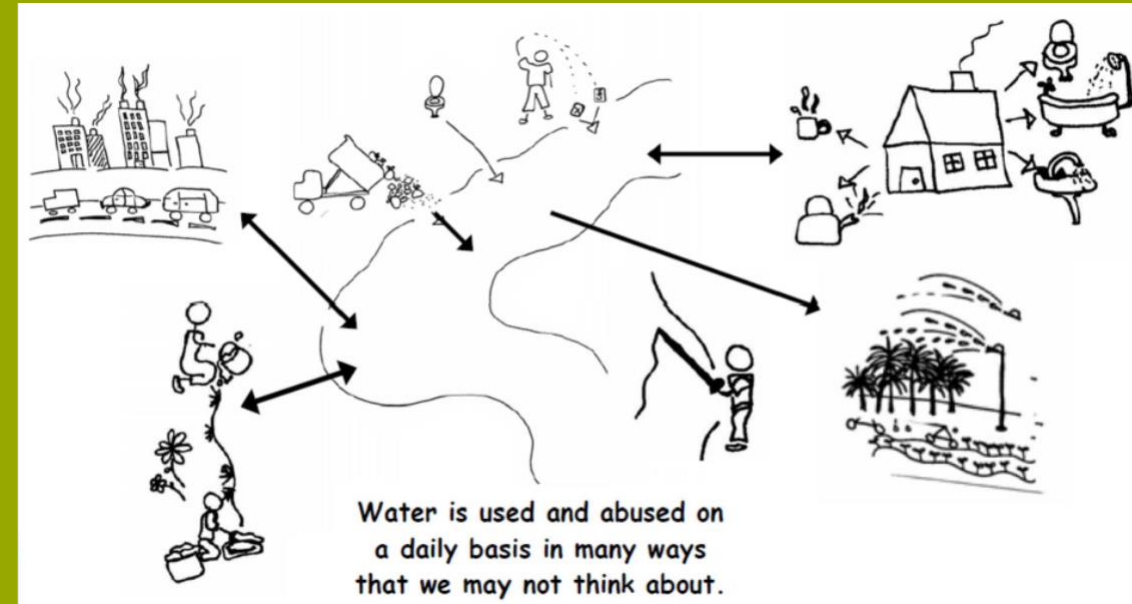
3.1 Environmental Requirements

- NEMA EIA Regulations (2014, as amended) Part II EA Amendment Process
 - Requires an approved of Public Participation Plan [Section (32)(a)(iv) of NEMA EIA Regulations, 2014 as amended]
 - Submission of Amendment Application
 - Submission of Amendment Report that indicates:
 - (i) *Has been subjected to public review and comment*
 - (ii) *an assessment of all impacts related to the proposed change;*
 - (iii) *advantages and disadvantages associated with the proposed change;*
 - (iv) *measures to ensure avoidance, management, and mitigation of impacts associated with such proposed change;*
 - (v) *and any changes to the EMPr*
- Amendment Application can either be positive and negative and it can be is issued with specific conditions



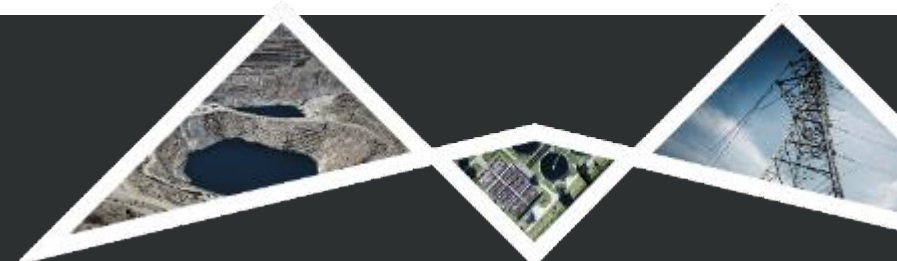
3.2 Water Use Requirements

- National Water Act, 1998 (Act No. 36 of 1998)
- DWS Minister acts as the custodian of this scarce commodity.
- A person may only use water or disturb watercourses if authorized
- 11 different water uses that require authorisation from DWS before commencement (Section 21 Activities)



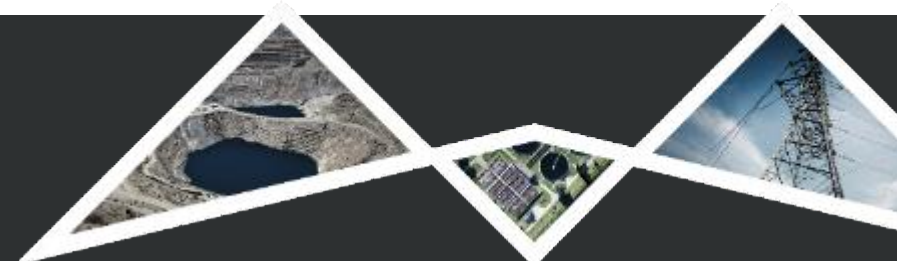
3.2 Water Use Requirements

- Timeframes, process and approach amended in 2017 (30 days vs 365 days)
- Applications may be a Water Use License (WULA) or a General Authorization (GA)
- **GA** (**low risk**) is subject to registration process and can be finalized within 30 days after submission
- **WULA** (**medium to high risk**) is required when risk of impact to a water resource is too high and decision within 90 days after submission of application documents
- The process requires Specialists studies (Risk-Matrix) in consultation with DWS



3.2 Water Use Requirements

- Currently there is a GA for two authorised drilling wells
- There is no foreseen WULA Requirements for the additional activities if the wetland and watercourse buffer requirements (32m pre-mitigation and 15m post-mitigation) are maintained as No-Go Areas
- However, any exploration activity within the regulated area for a watercourse may require a WUA.

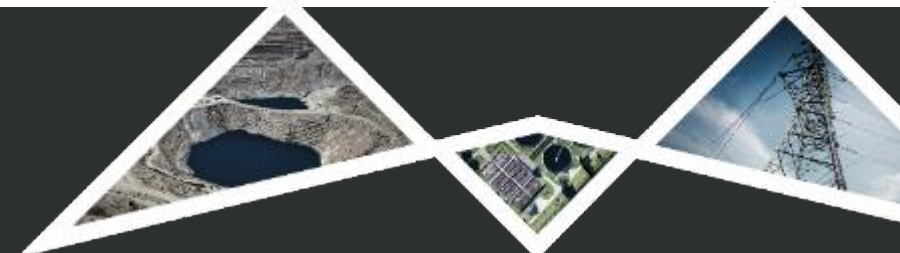


Part 4

PART 4: SUMMARY OF AMENDMENT REPORT / FINDINGS

VUKOSI MABUNDA

(Environmental Assessment Practitioner)

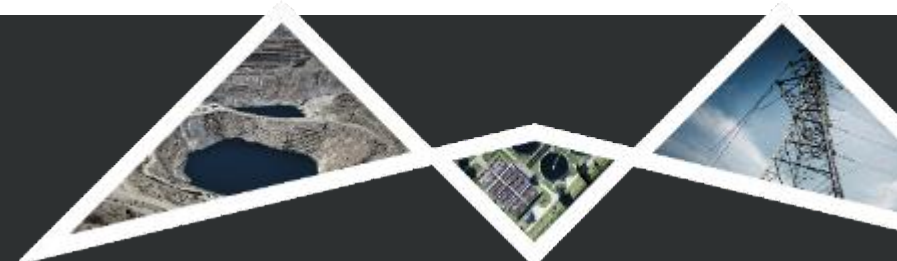


4.1 Site Conditions



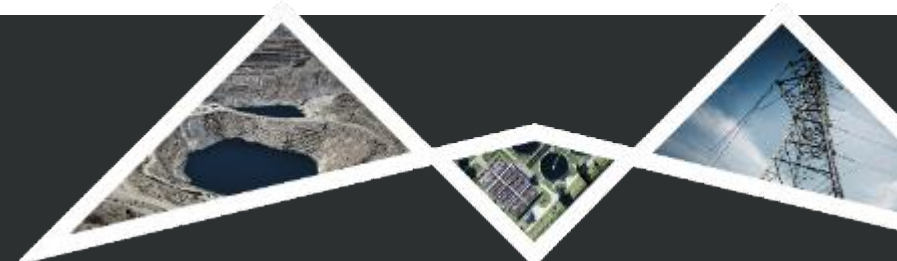
4.2 Terrestrial Biodiversity Impact Assessment Report

- There are areas within the study area that possess a 'High' Site Ecological Importance
- Project Area overlaps with Least Concerned and Endangered Ecosystems
- Sensitive and/or Protected Flora / Fauna species were recorded in the area
- Project Area overlaps with CBA1 & 2, ESA1, ONA and degraded areas
- The Project Area overlaps with a National Protected Area Expansion Strategy Priority (NPAES) Focus Area
- Sections of the Project Area overlaps with areas of moderate (Category D) to highest risk (Category B), but not where mining is prohibited (Category A)
- The project is expected to have an overall low residual impact
- No fatal flaws are evident for the proposed project



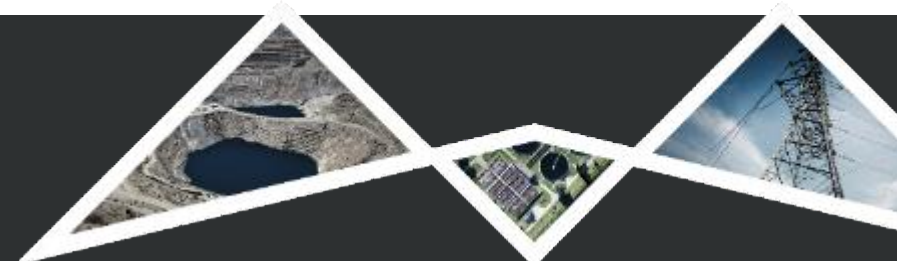
4.2 Wetlands & Baseline Risk Assessment Report

- Seven hydrogeomorphic (HGM) units within the study area
- Due to the location of the wetlands, it was deemed that only HGM 1, 2 and 3 were at risk by the proposed activities
- Present Ecological Status for the wetlands range between D- “Largely Modified” and E – “Seriously Modified”
- Importance and Sensitivity (IS) category
- The average ecosystem service score was determined to range between “Intermediate” and “Moderately High”
- No significant wetland loss is foreseen.
- It is the opinion of the specialist that the project may be favorably considered, on condition all prescribed mitigation measures and supporting recommendations are implemented



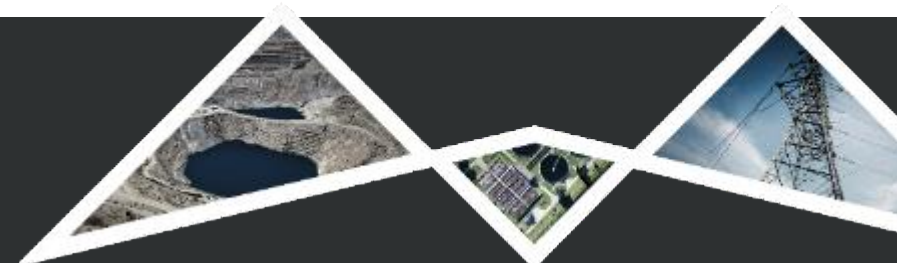
4.3 Heritage Impact Assessment Report

- Five heritage features and resources were identified within the site
- The heritage features rated as being of low to high heritage significance
- The heritage features are located within the extended assessment buffers, but further away from the proposed seismic transects and drilling locations
- It is the opinion of the heritage specialist that the proposed project will not have a direct impact on the identified heritage resources
- All burial grounds and graves will be avoided and retained with a buffer zone of 30m as per SAHRA guidelines
- If this is not possible, the graves will be relocated after completion of a detailed grave relocation process

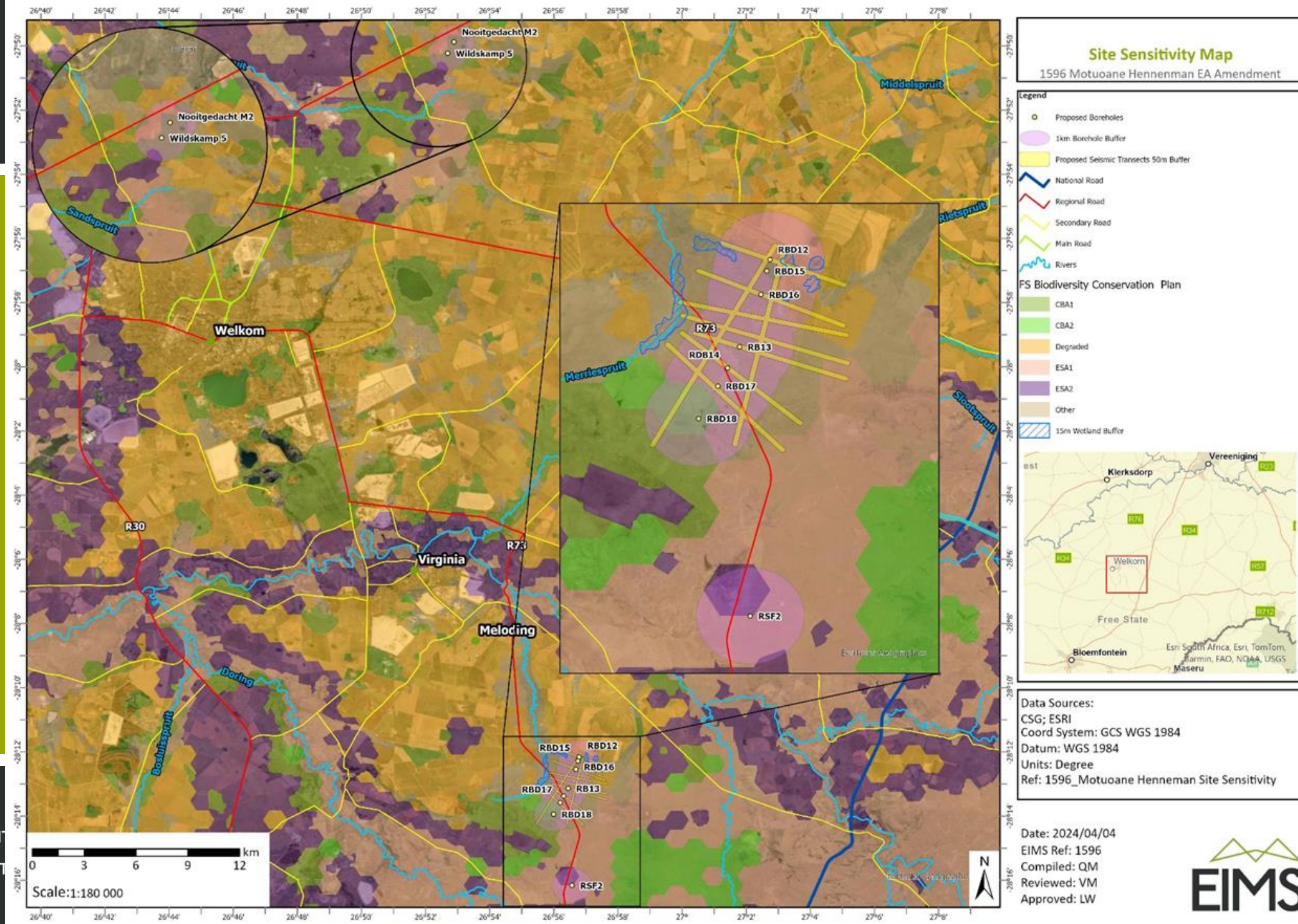


4.3 Palaeontological Impact Assessment Report

- The area is underlain by Quaternary deposits, while the largest portion of the development is underlain by the Adelaide Subgroup (Beaufort Group, Karoo Supergroup).
- Palaeontological Sensitivity of Quaternary sediments is Moderate, that of the Adelaide Subgroup is Very High while the Palaeontological Sensitivity of Jurassic dolerite is Zero as it is igneous in origin and thus unfossiliferous
- No fossiliferous outcrop was detected
- Based on the site investigation as well as desktop research it is concluded that fossil heritage of scientific and conservational interest in the development footprint is rare
- A Chance Finds Protocol must be implemented for the project



Sensitivity Map



4.4 Impact Assessment

IMPACT DESCRIPTION		PRE - MITIGATION						Pre-mitigation ER	POST - MITIGATION						Post-mitigation ER	Confidence	IMPACT PRIORITISATION				
Impact	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability		Nature	Extent	Duration	Magnitude	Reversibility	Probability			Concern by I&AP during origina EA	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score
Interference with Existing Land Uses	Construction/Exploration	-1	2	2	2	2	3	-6	-1	1	2	2	2	2	-3.5	Medium	1	1	2	1.17	-4.08
	Decommissioning	-1	2	1	2	2	3	-5.25	-1	1	1	1	2	2	-2.5	Medium	1	1	1	1.00	-2.50
Air quality / greenhouse gas emissions	Construction/Exploration	-1	4	4	3	2	3	-9.75	-1	2	2	2	2	2	-4	Medium	2	1	1	1.17	-4.67
	Decommissioning	-1	3	3	3	2	2	-5.5	-1	1	1	1	2	2	-2.5	Medium	2	1	1	1.17	-2.92
Nuisance and Impact on Sense of Place	Construction/Exploration	-1	2	2	2	2	3	-6	-1	2	2	2	2	2	-4	Medium	1	1	2	1.17	-4.67
	Decommissioning	-1	2	2	2	2	2	-4	-1	2	2	2	1	1	-1.75	Medium	1	1	1	1.00	-1.75
Damage/Disruption of services / infrastructure	Construction/Exploration	-1	3	2	2	2	3	-6.75	-1	2	2	1	2	2	-3.5	Medium	1	1	2	1.17	-4.08
	Decommissioning	-1	2	2	2	2	2	-4	-1	1	2	1	2	2	-3	Medium	1	1	1	1.00	-3.00
Employment Opportunities	Construction/Exploration	1	3	2	2	2	3	6.75	1	3	2	3	2	3	7.5	Medium	1	2	1	1.17	8.75
	Decommissioning	1	3	2	2	2	3	6.75	1	3	2	3	2	3	7.5	Medium	1	2	1	1.17	8.75
Impact on Groundwater Quality and Quantity	Construction/Exploration	-1	3	2	3	4	3	-9	-1	1	1	2	3	3	-5.25	Low	3	1	2	1.50	-7.88
	Decommissioning	-1	3	3	3	3	2	-6	-1	2	3	3	3	2	-5.5	Low	2	1	2	1.33	-7.33
Impact on Surface water Quality and Quantity	Construction/Exploration	-1	3	3	3	4	3	-9.75	-1	2	3	2	4	2	-5.5	Medium	3	1	2	1.50	-8.25
	Decommissioning	-1	3	2	3	2	3	-7.5	-1	2	2	2	3	2	-4.5	Medium	3	1	2	1.50	-6.75
Impacts on natural habitat	Construction/Exploration	-1	1	5	3	3	4	-12	-1	1	3	2	2	3	-6	Medium	1	1	3	1.33	-8.00
	Decommissioning	-1	1	3	3	3	3	-7.5	-1	1	3	2	2	3	-6	Medium	1	1	3	1.33	-8.00
Impacts on Microorganisms	Construction/Exploration	-1	2	3	4	3	5	-15	-1	2	2	2	2	4	-8	Medium	1	1	1	1.00	-8.00
	Decommissioning	-1	2	2	3	3	5	-12.5	-1	1	2	2	2	3	-5.25	Medium	1	1	2	1.17	-6.13
Impacts on Flora species	Construction/Exploration	-1	2	5	4	4	4	-15	-1	1	3	3	3	3	-7.5	Medium	1	2	1	1.17	-8.75
	Decommissioning	-1	2	5	3	3	3	-9.75	-1	1	3	3	3	3	-7.5	Medium	1	2	1	1.17	-8.75



4.4 Impact Assessment

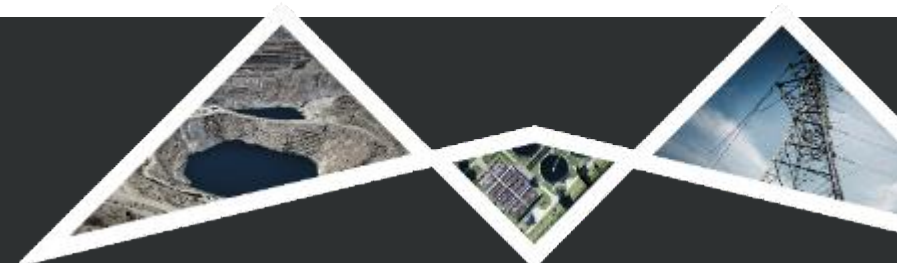
IMPACT DESCRIPTION		PRE - MITIGATION							POST - MITIGATION								IMPACT PRIORITISATION					
		Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-mitigation ER	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-mitigation ER	Confidence	Concern by I&AP during origina EA	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score	
Impact	Phase																					
Impacts on Fauna species	Construction/Exploration	-1	2	4	4	4	4	-14	-1	2	2	3	3	2	-5	Medium	1	2	3	1.50	-7.50	
	Decommissioning	-1	2	3	3	3	3	-8.25	-1	2	2	3	3	2	-5	Medium	1	2	2	1.33	-6.67	
Disturbance / Destruction of Heritage Features	Construction/Exploration	-1	5	5	4	5	3	-14.25	-1	4	4	3	5	2	-8	Medium	2	1	3	1.50	-12.00	
	Decommissioning	-1	3	5	4	5	3	-12.75	-1	4	3	3	5	2	-7.5	Medium	2	1	3	1.50	-11.25	
Disturbance / Destruction of Palaeontological Features	Construction/Exploration	-1	3	3	4	5	3	-11.25	-1	2	5	3	5	2	-7.5	Medium	1	1	3	1.33	-10.00	
	Decommissioning	-1	3	5	4	5	2	-8.5	-1	2	3	3	5	2	-6.5	Medium	1	1	3	1.33	-8.67	
Impacts on indigenous vegetation	Construction/Exploration	-1	3	2	2	1	5	-10	-1	1	2	1	2	4	-6	High	2	1	2	1.33	-8.00	
	Decommissioning	-1	2	5	3	3	3	-9.75	-1	1	2	2	2	3	-5.25	High	1	2	2	1.33	-7.00	
Impacts on Traffic and road infrastructure	Construction/Exploration	-1	3	3	2	3	2	-5.5	-1	2	3	2	3	2	-5	Medium	1	1	1	1.00	-5.00	
	Decommissioning	-1	3	5	1	2	2	-5.5	-1	3	1	1	2	1	-1.75	Medium	1	1	1	1.00	-1.75	
Soils and Agricultural Potential	Construction/Exploration	-1	3	3	3	3	3	-9	-1	2	2	2	2	2	-4	Medium		2	1	1.00	-4.00	
	Decommissioning	-1	3	2	3	2	3	-7.5	-1	2	1	2	2	2	-3.5	Medium		2	1	1.00	-3.50	
Soil erosion and sedimentation	Construction/Exploration	-1	3	2	2	2	3	-6.75	-1	2	2	2	2	2	-4	Medium	1	1	1	1.00	-4.00	
	Decommissioning	-1	2	2	2	2	2	-4	-1	1	2	2	2	2	-3.5	Medium	1	1	1	1.00	-3.50	
Landownership and displacement of landowners and livestock	Construction/Exploration	-1	2	4	4	4	1	-3.5	-1	1	2	2	2	2	-3.5	Medium	2	1	1	1.17	-4.08	
	Decommissioning	-1	2	3	3	3	1	-2.75	-1	1	2	2	2	1	-1.75	Medium	2	1	1	1.17	-2.04	
Noise Impacts	Construction/Exploration	-1	2	2	3	2	3	-6.75	-1	2	1	1	2	2	-3	Medium	1	1	1	1.00	-3.00	
	Decommissioning	-1	2	1	3	2	3	-6	-1	2	1	1	2	1	-1.5	Medium	1	1	1	1.00	-1.50	
Safety and security (Health and Safety of the Community)	Construction/Exploration	-1	2	2	3	2	3	-6.75	-1	2	2	2	2	1	-2	Medium	2	1	1	1.17	-2.33	
	Decommissioning	-1	2	2	3	2	3	-6.75	-1	2	2	2	2	1	-2	Medium	2	1	1	1.17	-2.33	



4.5 Advantages & Disadvantages of Proposed Activities

- **Advantages:**

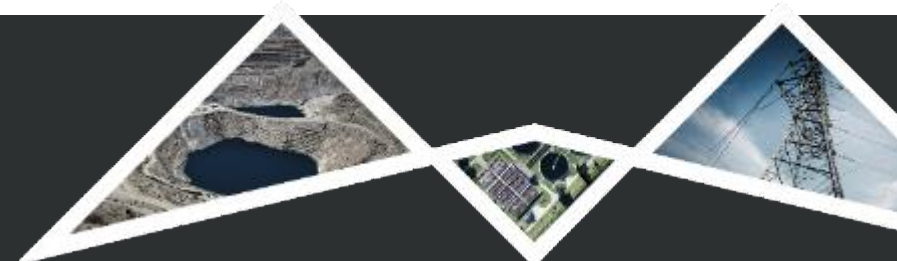
- Enhanced accuracy of exploration for an economically viable resource
- Exploration for additional domestic hydrocarbon reserves is considered important and any discoveries would be well received by the local market
- Government's official position is that exploration and development of oil and gas fields should be encouraged
- Exploration impacts to be minimized through implementation of mitigation measures i.e., EMPr



4.5 Advantages & Disadvantages of Proposed Activities

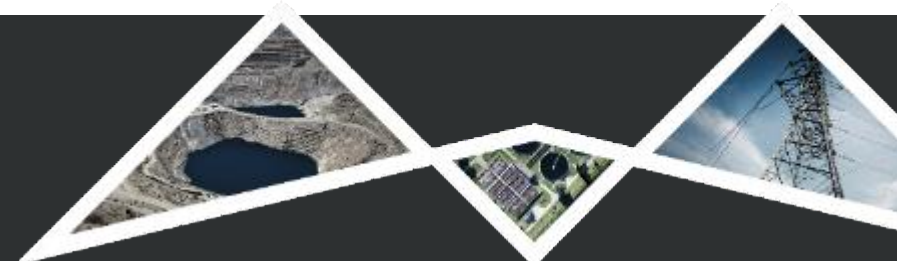
- **Disadvantages:**

- Potential short-term impacts on soils and agricultural potential
- Potential direct / indirect loss of habitats, mortalities, and displacement of fauna including SCC and Protected species
- Potential impacts on floral species including sensitive species
- Potential contamination of water resources
- Activities may potentially expose, disturb and displace archaeological sites / material
- Potential impacts to be mitigated through the specialist recommendations and EMPr



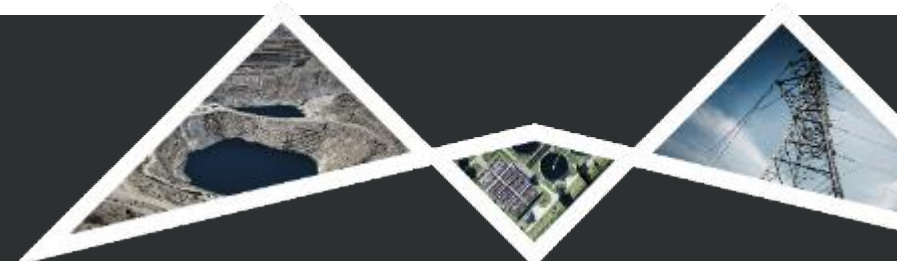
4.6 Main Recommendations

- Additional exploration activities (amendments) to be undertaken within the assessed corridors
- Developer shall inform all landowners of the commencement of construction activities at least 30 days before commencement
- Compilation and sharing (landowners) of an asset and services baseline of services that may be affected within 10m of the centerline of the seismic transect and 10m from the edge of drilling point
- A suitable qualified Environmental Officer (EO) or Environmental Compliance Officer (ECO) must be appointed prior to the construction / exploration phase to assess compliance and reporting to authorities
- No exploration activities are to be permitted within on wetlands or watercourses (32m prelitigation and a 15m post-mitigation buffer)



4.6 Main Recommendations

- Areas rated as High sensitivity (i.e., Rocky Grassland habitat, heritage features and watercourses) outside of the direct exploration areas should be declared as 'no-go' areas
- Rehabilitation of the disturbed areas must be made a priority
- Permits must be obtained from FSDESTEA for protected or SCC flora and/or fauna species to be disturbed
- All burial grounds and graves should be retained and avoided with a buffer zone of 30m as per SAHRA guidelines
- A Chance Finds Protocol must be implemented

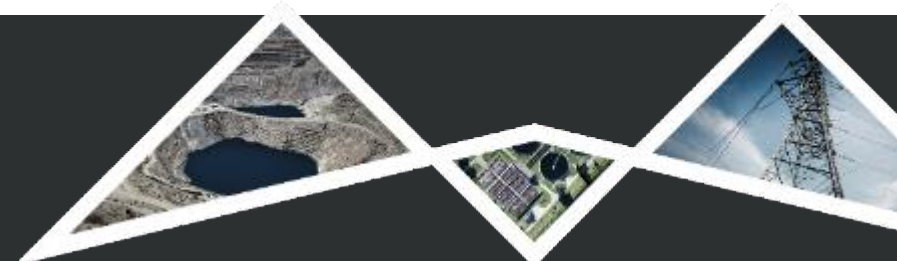


Part 5

PART 5: PUBLIC PARTICIPATION PROCESS

VUKOSI MABUNDA

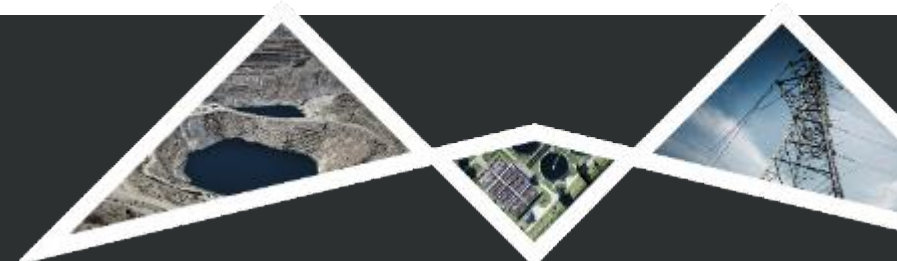
(Environmental Assessment Practitioner)



5. Involvement of Interested and Affected Parties

- **Public Participation:**

- Undertaken in line with Section (2)(4)(f) of NEMA and Chapter 6 of NEMA EIA Regulations
- PPP commenced on the 9th of May 2024 with an initial notification and call to register to Stakeholders and I&APs
 - Notification Letters through Registered Letters, Faxes and Emails
 - Placement of site notices and posters
 - Newspaper Advertisement
- Public Meeting (15th May 2024)
- Amendment Report made available for public review and comment for a period of 30 days (15th May – 18th June 2024)
- Comments received from I&APs to be responded to and captured in **Public Participation Report**



Time trials results

A male archer, identified as a member of the Team South Africa, is captured in a focused pose, aiming his bow. He is wearing a blue polo shirt with the team's name and logo. The background shows a large stadium with tiered seating, suggesting a major international competition.

Foto: Verskal

Die atlete speel met gekleurde balle en moet pro-

leentheid vir mense met
gaaamilike gestremdhede om
an sport deel te neem.

ter, is in die afdeling vir
ninese beaampte van die
ar benoem, en die bocca-
ywilliger Zelma Basson as
ywilliger van die jaar.

The start is at 14:00, from the Welkom clock tower.
Enquiries can be directed to



To ☐ 1596 Motuoane Hennenman EA Amendment

1596_Initial Notification.pdf 621 KB

Dear Interested and Affected Party,

Kindly see the attached notification regarding opportunity to participate in the Part II Environmental Authorisation Amendment process for the Motuoane Hennenman Exploration Right, in the Lejweleputswa and Fezile Dabi District Municipalities, Free State Province, South Africa.



The authors of the paper acknowledge their responsibility for the data and the results. The authors are grateful to the Ministry of Education and Science of the Russian Federation for the financial support of the research. The authors are also grateful to the Ministry of Education and Science of the Russian Federation for the financial support of the research. The authors are also grateful to the Ministry of Education and Science of the Russian Federation for the financial support of the research.

You are hereby notified of the public meeting indicated below.

Important Notification / Tiltas asat off olos / belangrakerendagewing:

Description / Titulo / Beschreibung: Public listing / Sección de Publicación / Öffentliche Verdingung

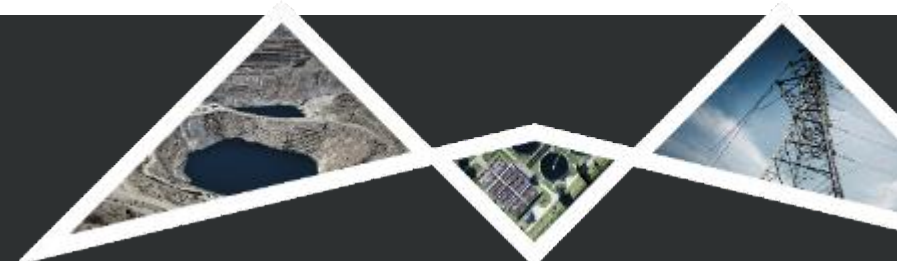
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Part 6

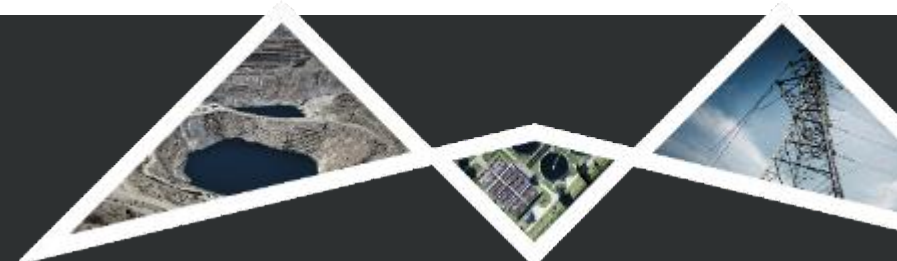
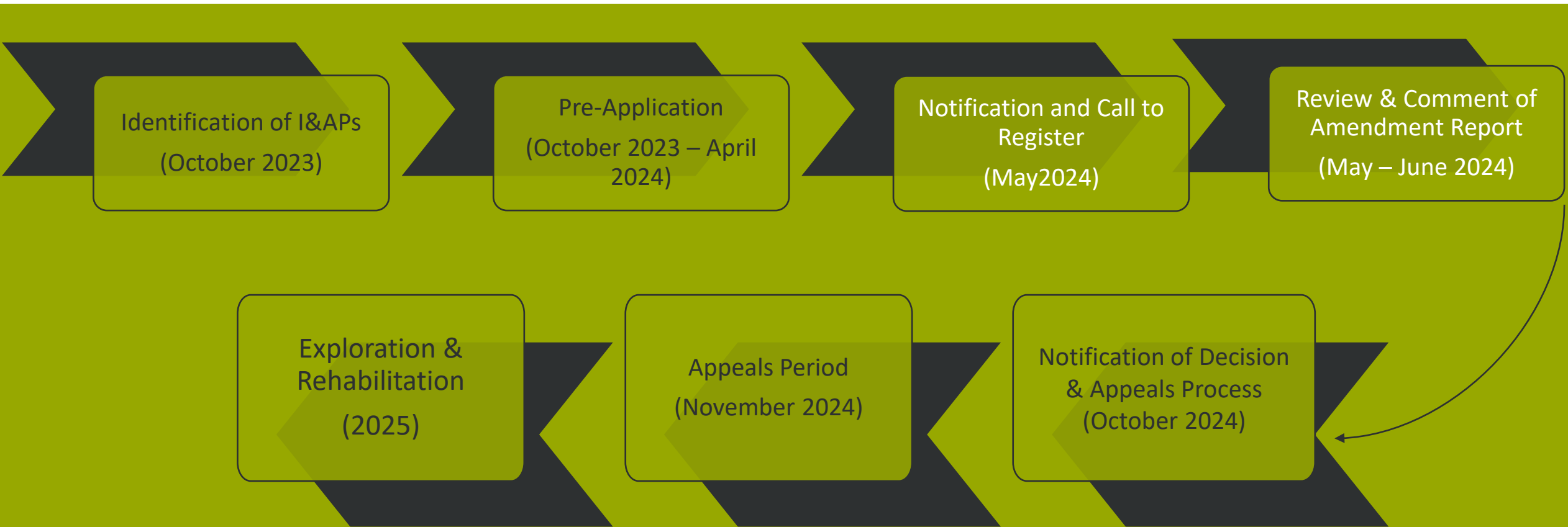
PART 6: ANTICIPATED PROJECT TIMELINES

VUKOSI MABUNDA

(Environmental Assessment Practitioner)



6. Project Timelines



Part 7

PART 7: QUESTIONS AND ANSWERS

Reminder: Public Review & Comment on the Draft

Amendment Report & EMPr Rev2 ends 21 June 2024

Contact Person: Jolene Webber

EIMS Reference Number: 1596

Postal Address: P.O. Box 2083; Pinegowrie; 2123

Telephone: (011) 789 7170/ Fax: (086) 571 9047

E-mail: MotuoaneAmend@eims.co.za

Please include the project reference number 1596 in all correspondence.





Vote of Thanks & Closing

